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SECTION 2 OF 3

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3 of 5

Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan

Volume 2 of 4

August 1996
U.S. Department of Energy
Washington, D.C.

Appendices A and B

9613459.2213

Volume 2 Table of Contents

A.0 Scope Definition A-1
A.1 Radiation Area Remedial Actions and Underground Storage Tanks A-1
A.2 Resource Conservation and Recovery Act Closures A-2
A.3 Single-Shell Tank Closures A-2
A.4 Past-Practice Operable Unit Remedial Actions A-2
A.5 Surplus Facility Decommissioning A-3
A.6 Waste Storage and Disposal Facilities A-4
A.7 Summary A-4
A.8 References A-31

B.0 Human Health Risk Assessment Methodology and Calculations B-1

B1.0 Introduction B1-1
B1.1 No-Action Alternative Risk Estimation B1-1
B1.2 Remediation Risk Estimation B1-4
B1.2.1 Accident Scenario for Excavation of River Shoreline B1-5
B1.2.2 Accident Scenario for Pumping and Treating Groundwater B1-5
B1.2.3 Accident Scenario for Excavation of Hazardous Waste Sites B1-5

B2.0 Source Terms B2-1
B2.1 Sites in Scope B2-1
B2.2 Sources of Data for Contaminated Soil B2-1
B2.2.1 Databases B2-1
B2.2.1.1 Waste Information Data System B2-2
B2.2.1.2 Solid Waste Information Tracking System B2-2
B2.2.2 Supplemental Documents B2-2
B2.2.2.1 Radiological Characterization of the Retired 100 Area Waste Sites B2-3
B2.2.2.2 Remedial Investigation and Feasibility Study Work Plans . . B2-3
B2.2.2.3 Source Inventory Development Engineering Study for the Environmental Restoration Disposal Facility B2-3
B2.2.2.4 Limited Field Investigation Reports B2-3
B2.3 Source of Data for Surface Water B2-4
B2.4 Source of Data for Groundwater B2-4
B2.5 Cell Designation B2-4
B2.6 Data Aggregation B2-4

B3.0 Transport B3-1
B3.1 Unit Transport Analysis B3-2
B3.1.1 Calculations of Linearity B3-2
B3.1.2 Pathline Analysis B3-7
B3.1.2.1 CFEST/GIS Link B3-7
B3.1.2.2 Groundwater Model Description, Assumptions and Limitations B3-7
B3.1.3 Unit Transport Analysis Using Multimedia Environment Pollutant Assessment System B3-15

Volume 2 Table of Contents (cont'd)

B3.2 Unit Transport Application B3-16
B3.2.1 Atmospheric Option B3-16
B3.2.2 Subsurface/Soil Option B3-18
B3.2.3 Contaminant Arrival Time at the Columbia River B3-23
B3.3 Environmental Setting Assumptions B3-23
B3.3.1 Climatologic and Atmospheric Settings B3-27
B3.3.2 Hydrogeologic Environmental Settings B3-27
B3.3.3 Surface Water Environmental Setting B3-29
B3.3.4 Soil B3-29
B3.4 Transport Media B3-37
B3.4.1 Distribution Coefficients at Hanford B3-37
B3.4.2 Groundwater B3-42
B3.4.2.1 Plumes Originating in the 100-N Area B3-44
B3.4.2.2 Plumes Originating in the 100-H Area B3-47
B3.4.2.3 Plumes Originating in the 200 West Area B3-47
B3.4.2.4 Plumes Originating in the 200 East Area B3-47
B3.4.2.5 Plumes Originating in the 300 Area B3-47
B3.4.2.6 Plumes Originating in the Southwest Region B3-47
B3.4.3 Air B3-47

B4.0 Exposure Assessment B4-1
B4.1 Exposure Scenarios B4-2
B4.1.1 Agricultural Scenario B4-2
B4.1.2 Residential Scenario B4-3
B4.1.3 Industrial Scenario B4-3
B4.1.4 Recreational Scenario B4-4
B4.2 Unit Risk Factor Generation B4-4
B4.2.1 Methods for Unit Risk Factor Evaluation B4-4
B4.2.1.1 Radionuclide Unit Risk Factor Calculation B4-5
B4.2.1.2 Chemical Unit Risk Factor Calculation B4-6
B4.2.2 Summary Intake Factor Evaluation B4-8
B4.2.2.1 Agricultural B4-8
B4.2.2.2 Residential B4-9
B4.2.2.3 Industrial B4-9
B4.2.2.4 Recreational B4-9
B4.2.3 Contaminant-Specific Parameters B4-9
B4.2.3.1 Drinking Water Ingestion B4-9
B4.2.3.2 Dermal Contact - Shower B4-9
B4.2.3.3 Water Ingestion - Shower B4-9
B4.2.3.4 Leafy Vegetable Ingestion B4-10
B4.2.3.5 Other Vegetable Ingestion B4-10
B4.2.3.6 Meat Ingestion B4-10
B4.2.3.7 Milk Ingestion B4-10
B4.2.3.8 Fish Ingestion B4-10
B4.2.3.9 Water Ingestion - Swimming B4-10

9613459.2214

Volume 2 Table of Contents (cont'd)

B4.2.3.10 Dermal Contact - Swimming B4-10
B4.2.3.11 Dermal Contact - Shoreline B4-11
B4.2.3.12 Ingestion - Shoreline Sediment B4-11
B4.2.3.13 Ingestion - Soil B4-11
B4.2.3.14 Dermal Contact - Soil B4-11
B4.2.3.15 Indoor Inhalation - Volatile Contaminants B4-11
B4.2.3.16 Air Inhalation B4-11
B4.2.3.17 Soil Resuspension Inhalation B4-11
B4.2.3.18 External Exposure - Swimming B4-12
B4.2.3.19 External Exposure - Boating B4-12
B4.2.3.20 External Exposure - Shoreline B4-12
B4.2.3.21 External Exposure - Soil B4-12
B4.2.3.22 External Exposure - Air B4-12
B4.3 Unit Risk Factor Results B4-12

B5.0 Risk Assessment Calculation and Results B5-1
B5.1 Risk Calculation B5-2
B5.2 Baseline Risk B5-4
B5.3 Remediation Risk B5-4
B5.3.1 Risk from Routine Remediation Activities B5-6
B5.3.2 Accident Risk B5-6
B5.3.2.1 Scenarios, Assumptions, and Source Terms B5-6
B5.3.2.2 Accident Evaluation B5-11
B5.4 Residual Risk B5-11
B5.5 Sources of Uncertainty B5-11
B5.5.1 Source Terms B5-12
B5.5.2 Transport and Exposure Models B5-12
B5.5.3 Conversion of Exposure to Health Effects B5-12
B5.5.4 Accident Occurrence B5-13

B6.0 Human Health Risk Assessment B6-1

B7.0 References B7-1

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List of Figures

Figure B1-1. One-Kilometer Grid of the Hanford Site Showing Cells Containing Waste Sites B1-2

Figure B2-1. Ten-Kilometer Grid with the Hanford Site at the Center B2-6

Figure B2-2. One-Kilometer Grid of the Hanford Site B2-7

Figure B2-3. One-Kilometer by One-Kilometer Cell with Cell Identification Number B2-8

Figure B3-1. Peak Concentrations as a Function of Waste Site Area and Downgradient Distance B3-6

Figure B3-2. CFEST Simulated Hydraulic Head Contours for 1992 Flow Conditions B3-8

Figure B3-3. Finite Elements Where Pathlines Started B3-9

Figure B3-4. Finite Element Grid with Waste Cell Locations B3-10

Figure B3-5. Plume Pathlines Generated by CFEST B3-11

Figure B3-6. Approximated Travel Paths for Groundwater Plumes B3-12

Figure B3-7. Finite Element Grid with Boundary Conditions B3-13

Figure B3-8. Transmissivity Distribution for the Hanford Site B3-14

Figure B3-9. Flow Diagram Illustrating the Utilization of the Base Data Set and Implementation of the Unit Transport Analysis B3-17

Figure B3-10. Atmospheric Results for an 80-km Radius from an Aggregated Waste Site in the 200 East Area Illustrating the Spatial Distribution of the 4-Methyl-2-Pentanone B3-19

Figure B3-11. Atmospheric Results for the 12-km Radius from an Aggregated Waste Site in the 200 East Area Illustrating the Spatial Distribution of the 4-Methyl-2-Pentanone B3-20

Figure B3-12. Atmospheric Results for the 12-km Radius from an Aggregated Waste Site in the 200 East Area Illustrating the Spatial Distribution of the 4-Methyl-2-Pentanone B3-21

Figure B3-13. Two-dimensional Spatial Distribution of Nitrite from an Aggregated Waste Site in the 200 Area after 140 Years B3-22

Figure B3-14. Hanford Site Environmental Settings B3-30

Figure B3-15. Hydrostratigraphy of Hanford's Environmental Settings B3-31

List of Figures (cont'd)

Figure B3-16. Strontium-90 Groundwater Plume Map for the 100 Areas B3-46

Figure B3-17. Carbon Tetrachloride Groundwater Plume Map for the 200 Areas B3-48

Figure B3-18. Tritium Groundwater Plume Map for the 200 Areas B3-49

Figure B5-1. Modular Risk Assessment Approach for the Hanford Remedial Action Environmental Impact Statement B5-3

Figure B5-2. Far-field Distribution as Function of Time B5-5

9613459.2216

List of Tables

Table A-1. Resource Conservation and Recovery Act Treatment, Storage, and Disposal Unit Closures A-5

Table A-2. Past-Practice Waste Site Remedial Actions A-6

Table A-3. Surplus Facility Decommissioning A-27

Table A-4. Summary of Actions Addressed in the Hanford Remedial Action Environmental Impact Statement A-30

Table B2-1. Groundwater Summary Table B2-9

Table B2-2. Assumptions Used in Reconstructing WIDS Fields B2-25

Table B2-3. Surface Water Summary Table B2-26

Table B2-4. MEPAS Input Values for Analytical Groundwater Solute Transport Simulation B2-32

Table B2-5. Characteristics of Sites in Scope B2-35

Table B2-6. Chemical Inventories of Water Sites B2-60

Table B2-7. Radionuclide Inventories of Waste Sites B2-84

Table B2-8. Aggregated Inventories of Waste Sites: Surface B2-124

Table B2-9. Aggregated Inventories of Waste Sites: Subsurface B2-126

Table B3-1. Distribution Coefficient Versus Half-life Versus Arrival Time for the 200 West Area B3-24

Table B3-2. Distribution Coefficient Versus Half-life Versus Arrival Time for the 200 East Area B3-25

Table B3-3. Distribution Coefficient Versus Half-life Versus Arrival Time for the 100-N Area B3-25

Table B3-4. Distribution Coefficient Versus Half-life Versus Arrival Time for the 100-H Area B3-26

Table B3-5. Distribution Coefficient Versus Half-life Versus Arrival Time for the 300 Area B3-26

Table B3-6. Estimated Distribution Coefficients for Groundwater Contaminant Transport Modeling B3-28

List of Tables (cont'd)

Table B3-7. Source Term Parameter Values Used for 100-N Area B3-32

Table B3-8. Partially Saturated Zone (PSZ) Parameter Values Used for 100-N Area B3-32

Table B3-9. Saturated Zone (SZ) Values Used for 100-N Area B3-32

Table B3-10. Source Term Parameter Values Used for 100-H Area B3-33

Table B3-11. Partially Saturated Zone (PSZ) Parameter Values Used for 100-H Area B3-33

Table B3-12. Saturated Zone (SZ) Values Used for 100-H Area B3-33

Table B3-13. Source Term Parameter Values Used for 200 East Area B3-34

Table B3-14. Partially Saturated Zone (PSZ) Parameter Values Used for 200 East Area . . . B3-34

Table B3-15. Saturated Zone (SZ) Parameter Values Used for 200 East Area B3-34

Table B3-16. Source Term Parameter Values Used for 200 West Area B3-35

Table B3-17. Partially Saturated Zone (PSZ) Parameter Values Used for 200 West Area . . B3-35

Table B3-18. Saturated Zone (SZ) Parameter Values Used for 200 West Area B3-35

Table B3-19. Source Term Parameter Values Used for 300 Area B3-36

Table B3-20. Partially Saturated Zone (PSZ) Parameter Values Used for 300 Area B3-36

Table B3-21. Saturated Zone (SZ) Values Used for 300 Area B3-36

Table B3-22. Summary of Hydraulic and Geometric Conditions in the Columbia River . . . B3-37

Table B3-23. Regional Soil Characteristics as a Function of pH B3-38

Table B3-24. List of Hanford Sediments in the Five Geographic Areas B3-38

Table B3-25. K_d Values (mL/g) for Inorganic Compounds Formed from Chemicals Identified in Hanford Soils B3-39

Table B3-26. K_d Values (mL/g) for Organic Chemicals B3-41

Table B3-27. Maximum Constituent Concentrations B3-45

Table B4-1. Chemicals Included in URF Analyses B4-13

Table B4-2. Radionuclides Included in URF Analyses B4-14

Table B4-3. Exposure Pathways Included in Agricultural Scenario URF Analyses B4-15

List of Tables (cont'd)

Table B4-4. Exposure Pathways Included in Residential Scenario in URF Analyses B4-16

Table B4-5. Exposure Pathways Included in Industrial Scenario URF Analysis B4-17

Table B4-6. Exposure Pathways Included in Recreational Scenario URF Analyses B4-18

Table B4-7. Media Normalization Units B4-18

Table B4-8. Exposure Parameters for Contaminants with Concentrations Estimated per Unit Soil Mass B4-19

Table B4-9. Agricultural Scenario Summary Intake Factors: Soil B4-19

Table B4-10. Exposure Parameters for Contaminants with Concentrations Estimated per Unit Soil Area B4-20

Table B4-11. Agricultural Scenario Summary Intake Factors: Soil B4-20

Table B4-12. Exposure Parameters for Contaminants with Concentrations Estimated per Unit Air Volume B4-21

Table B4-13 Agricultural Scenario Summary Intake Factors: Air B4-21

Table B4-14. Exposure Parameters for Contaminants with Concentrations Estimated per Unit Groundwater Volume B4-22

Table B4-15. Agricultural Scenario Summary Intake Factors: Groundwater B4-22

Table B4-16. Exposure Parameters for Contaminants with Concentrations Estimated per Unit Surface Water Volume B4-23

Table B4-17. Agricultural Scenario Summary Intake Factor: Surface Water B4-24

Table B4-18. Residential Scenario Summary Intake Factors: Soil B4-25

Table B4-19. Residential Scenario Summary Intake Factors: Soil B4-25

Table B4-20. Residential Scenario Summary Intake Factors: Air B4-26

Table B4-21. Residential Scenario Summary Intake Factors: Groundwater B4-26

Table B4-22. Residential Scenario Summary Intake Factors: Surface Water B4-27

Table B4-23. Industrial Scenario Summary Intake Factors: Soil B4-28

Table B4-24. Industrial Scenario Summary Intake Factors: Soil B4-28

Table B4-25 Industrial Scenario Summary Intake Factors: Air B4-28

List of Tables (cont'd)

Table B4-26. Industrial Scenario Summary Intake Factors: Groundwater and Surface Water B4-29

Table B4-27. Recreational Scenario Summary Intake Factors: Soil B4-29

Table B4-28. Recreational Scenario Summary Intake Factors: Soil B4-30

Table B4-29. Recreational Scenario Summary Intake Reactors: Air B4-30

Table B4-30. Recreational Scenario Summary Intake Factors: Groundwater B4-30

Table B4-31. Recreational Scenario Summary Intake Factors: Surface Water B4-31

Table B4-32. Agricultural Scenario Noncarcinogenic Chemical URF Sums over Exposure Pathways for Each Medium B4-32

Table B4-33. Agricultural Scenario Carcinogenic Chemical URF Sums over Exposure Pathways for Each Medium B4-33

Table B4-34. Agricultural Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium B4-34

Table B4-35. Residential Scenario Noncarcinogenic Chemical URF Sums over Exposure Pathways for Each Medium B4-37

Table B4-36. Residential Scenario Carcinogenic Chemical URF Sums over Exposure Pathways for Each Medium B4-38

Table B4-37. Residential Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium B4-39

Table B4-38. Industrial Scenario Noncarcinogenic Chemical URF Sums over Exposure Pathways for Each Medium B4-42

Table B4-39. Industrial Scenario Carcinogenic Chemical URF Sums over Exposure Pathways for Each Medium B4-43

Table B4-40. Industrial Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium B4-44

Table B4-41. Recreational Scenario Noncarcinogenic Chemical URF Sums over All Exposure Pathways B4-47

Table B4-42. Recreational Scenario Carcinogenic Chemical URF Sums over Exposure Pathways for Each Medium B4-48

Table B4-43. Recreational Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium B4-49

9613459.2218

List of Tables (cont'd)

Table B5-1. Selected Annual Dose Limits for Exposure to Ionizing Radiation B5-14

Table B5-2. Statistical Increase in Individual Cancer Risk at T0 (year 1989) B5-15

Table B5-3. Statistical Increase in Individual Cancer Risk at T40 (year 2029) B5-32

Table B5-4. Statistical Increase in Individual Cancer Risk at T100 (year 2089) B5-77

Table B5-5. Statistical Increase in Individual Cancer Risk at T140 (year 2129) B5-122

Table B5-6. Statistical Increase in Individual Cancer Risk at T1000 (year 2989) B5-167

Table B5-7. Statistical Increase in Individual Cancer Risk at T10000 (year 11989) B5-212

Table B5-8. Maximum Soil Contaminant Concentrations for Each of the Three Geographic Areas B5-257

Table B5-9. Groundwater Contaminant Concentrations and Maximum Radionuclide Inventory for Pump-and-Treat Accident B5-259

Table B5-10. Radionuclide Inventory in One Square Mile in Standing Dry Vegetation B5-259

Table B5-11. Results from Pump-and-Treat Accident B5-260

Table B5-12. Results from Excavation Accident B5-261

Table B5-13. Results from Range Fire B5-262

Table B6-1. Carsinogenic Chemical Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T_0 (year 1989) B6-3

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T_0 (year 1989) B6-16

Table B6-3. Carsinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T_0 (year 1989) B6-45

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T_0 (year 1989) B6-58

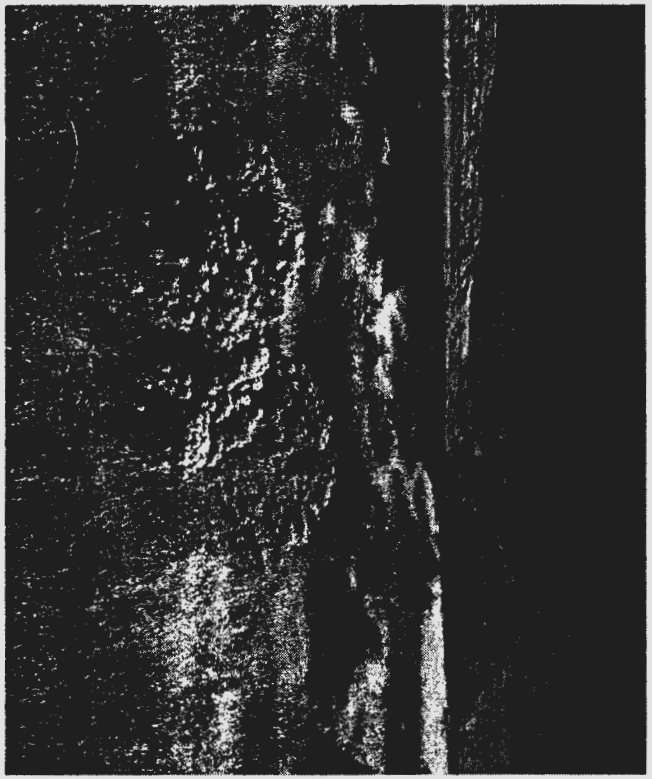
Table B6-5. Carsinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T_0 (year 1989) B6-88

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T_0 (year 1989) B6-101

List of Tables (cont'd)

Table B6-7. Carsinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T_0 (year 1989) B6-131

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T_0 (year 1989) B6-143



Appendix A

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A.0 Scope Definition

This appendix discusses the scope of actions addressed in the *Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan* (HRA-EIS) (DOE 1996). To address the purpose and need for agency action identified in Chapter 2.0 of the HRA-EIS, the scope includes an evaluation of the potential environmental impacts associated with the remedial actions to be conducted by the U.S. Department of Energy (DOE) under the provisions of the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) (Ecology et al. 1989). These remedial actions would bring the Hanford Site into compliance with the applicable requirements of the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) and the *Resource Conservation and Recovery Act of 1976* (RCRA). The DOE program responsible for conducting remedial actions at the Hanford Site is referred to as the Richland Environmental Restoration (ER) Project. The Richland ER Project encompasses the following projects:

- Radiation area remedial actions and underground storage tanks (UST)
- RCRA closures
- Single-shell tank (SST) closures
- Past-practice waste site operable unit (source and groundwater) remedial actions
- Surplus facility decommissioning
- Waste storage and disposal facilities.

The actions addressed in the HRA-EIS are a subset of the Hanford Site actions addressed by the Richland ER Project. In general, actions within the scope of the Richland ER Project are included in the HRA-EIS unless they are addressed in other *National Environmental Policy Act of 1969* (NEPA) documents or are actions for which the DOE is not yet ready to make programmatic decisions. The scope of the Richland ER Project is expected to evolve as remedial actions are implemented. The scope of the HRA-EIS addresses the Richland ER Project as it is identified in the *Richland Environmental Restoration Project Plan* (DOE-RL 1994).

The scope of the HRA-EIS also forms a basis for the evaluation of the potential land uses presented in Appendix M, "Hanford Site Comprehensive Land Use Plan" (Comprehensive Plan). The Comprehensive Plan uses the future land-use alternatives developed in the HRA-EIS, and evaluates potential land-use opportunities and constraints posed by natural, cultural, and socioeconomic factors.

The principal remedial actions addressed in the HRA-EIS are treatment, storage, and/or disposal (TSD) unit closures, past-practice waste site operable unit remedial actions, and surplus facility decommissioning. In the following paragraphs, each of the above groups is discussed and evaluated for inclusion in the scope of the HRA-EIS.

A.1 Radiation Area Remedial Actions and Underground Storage Tanks

The radiation area remedial action program addresses the management and control of inactive waste sites, to minimize the spread of surface soil contamination that could lead to worker and public exposure. These actions are included in the HRA-EIS as part of the No-Action Alternative. The No-Action Alternative assumes an ongoing environmental surveillance program; surveillance and maintenance of past-practice waste sites; waste site stabilization consisting of fencing, revegetation, surface stabilization, and weed control; and continued enforcement of access restrictions.

The UST program addresses the management of state-regulated, nonradioactive USTs in accordance with Washington State regulations. (Most of these USTs contained gasoline or other motor fuels.) The UST program is excluded from the scope of the HRA-EIS because actions to remove or upgrade USTs are scheduled to conclude before the HRA-EIS is completed.

A.2 Resource Conservation and Recovery Act Closures

The RCRA closures program addresses the actions at waste sites that are classified under RCRA as TSD units. A TSD unit is one that received RCRA hazardous waste and hazardous constituents after November 19, 1980 (the effective date of RCRA), or state-only dangerous waste, as defined in *Washington Administrative Code* 173-303, after March 12, 1982 (the effective date of the *Hazardous Waste Management Act of 1976)*. TSD units must receive a RCRA operating permit or be closed in accordance with the RCRA closure process.

Over 50 groups of TSD units are present at the Hanford Site. Each group represents one or more individual TSD units that must be permitted or closed. The HRA-EIS does not address those TSD units that will be permitted for continued operation. It does, however, address closure of the TSD units presented in Table A-1. These units consist of landfills, cribs, ditches, ponds, and miscellaneous TSD facilities, and are included in the scope of the HRA-EIS because they are closely associated with past-practice waste sites, either geographically or through similar processes and waste streams. Inclusion of these TSD units is appropriate because the Tri-Party Agreement specifies that, to accomplish remediation efficiently, closure actions for TSD units are to be combined and conducted in concert with actions to remediate associated past-practice waste sites.

A.3 Single-Shell Tank Closures

The SST closures program addresses the development and implementation of a safe, permanent means for final disposition of the six SST operable units (200-BP-7, 200-PO-3, 200-RO-4, 200-TP-5, 200-TP-6, and 200-UP-3). SST closures are excluded from the scope of the HRA-EIS because these actions are being addressed in other NEPA documents. The *Draft Environmental Impact Statement for the Tank Waste Remediation System* (TWRS-EIS) addresses the disposition of waste stored in the 149 SSTs and 28 double-shell tanks (DOE and Ecology 1996). Remedial actions for the tank shells (with waste removed), the associated interconnecting piping, diversion boxes, catch tanks, septic tanks, and contaminated soils, is being deferred to a later NEPA document.

A.4 Past-Practice Operable Unit Remedial Actions

The past-practice operable unit remedial actions program addresses the investigation and remediation of past-practice waste sites. Over 1,000 past-practice waste sites have been identified at the Hanford Site (Ecology et al. 1989). A large percentage of these sites are either solid waste burial grounds or liquid disposal units (e.g., cribs, ponds, and ditches). To facilitate efficient investigation and remedial action, past-practice waste sites (and selected TSD units) have been organized into groups called operable units based primarily on geographic proximity and the similarity of waste disposal history. Both source and groundwater operable units are recognized.

Under the Tri-Party Agreement, remediation of past-practice waste site operable units is conducted pursuant to either the CERCLA remedial action or the RCRA corrective action process.

All past-practice waste sites have been placed in either a CERCLA or RCRA past-practice category for remediation. Because the two processes are functionally equivalent, no distinction is made between remedial actions taken at CERCLA and RCRA past-practice units.

Remedial actions at most, but not all, Hanford operable units are addressed in the HRA-EIS. The operable units and past-practice waste sites included in the scope of the HRA-EIS are shown in Table A-2. This table includes the operable units listed in the Tri-Party Agreement (Ecology et al. 1989) with the following exceptions:

- The six operable units containing the 149 SSTs (excluded for the reasons identified in Section A.3).

- Sites in the 1100 Area (excluded because CERCLA remedial actions for these sites have been determined to be categorically excluded from documentation requirements under NEPA) (DOE-RL 1993). Three operable units in the 1100 Area (1100-EM-1, 1100-EM-2, and 1100-EM-3) and the single operable unit on the Fitzner/Eberhardt Arid Lands Ecology Reserve (1100-IU-1) are covered by this categorical exclusion. These sites have been remediated.

- The single operable unit (100-IU-3) located in the North of the River geographic area (excluded because the CERCLA removal action for this site has been determined to be categorically excluded from documentation requirements under NEPA) (DOE-RL 1992). This site also has been remediated.

The past-practice waste sites addressed in Table A-2 include several waste sites and areas of contamination not specifically listed in the Tri-Party Agreement. Additional past-practice waste sites have been included to address contaminated shoreline and island sediment in the Columbia River geographic area. Six past-practice waste sites have been added to address the onland, underground reactor effluent lines in the Reactors on the River geographic area.

A.5 Surplus Facility Decommissioning

The surplus facilities decommissioning program addresses the safe management and final disposition of facilities that have been retired and declared surplus. These facilities include contaminated surplus production reactors, chemical processing buildings, and ancillary structures. The surplus facilities decommissioning program also addresses the surveillance and maintenance of surplus facilities awaiting decommissioning, as well as the actual decommissioning of facilities. Surveillance and maintenance actions are included in the scope of the HRA-EIS as part of the No-Action Alternative. Actual decommissioning actions are included for some, but not all, surplus facilities. The surplus facilities for which decommissioning actions are addressed are listed in Table A-3. The HRA-EIS includes decommissioning actions for facilities that have been accepted into the current surplus facilities program, except for: (1) those decommissioning actions that were covered in the *Environmental Impact Statement: Decommissioning of Eight Surplus Production Reactors at the Hanford Site, Richland, Washington* (DOE 1992); (2) decommissioning actions that have been determined to be categorically excluded from documentation requirements under NEPA; and (3) canyon facilities in the 200 Areas. Major canyon facilities in the 200 Areas are not included in the scope of the HRA-EIS because the DOE is not ready to make programmatic decisions regarding final disposition of these facilities (i.e., T Plant, B Plant, and the Plutonium-Uranium Extraction Plant).

On May 22, 1995, the DOE issued the *Policy on Decommissioning of Department of Energy Facilities Under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)* (DOE 1995). This policy established the approach agreed upon by the DOE and the U.S. Environmental Protection Agency for conducting decommissioning projects under CERCLA authority. Any decision made regarding the potential fate of river discharge pipelines and surplus facilities in the HRA-EIS will be the basis for a decision on the overall strategy for remediation and decommissioning; specific plans will be developed through the CERCLA process. Before issuance of this policy, the DOE conducted decommissioning activities as separate and discrete projects that were not subject to CERCLA or RCRA requirements.

The scope of decommissioning actions addressed in Table A-3 represents only a small fraction of the overall decommissioning program that eventually would be conducted at the Hanford Site. This scope does not limit the future land-use decisionmaking process because the HRA-EIS focuses on a broad-based examination of the potential impacts associated with remediation to levels that would allow different potential uses. The ability to achieve a desired land use in a geographic area probably would be influenced more directly by the ability to achieve past-practice waste site remediation rather than surplus facility decommissioning. Nevertheless, the future land use established for a geographic area would determine the degree of decommissioning required for any particular facility. Additional NEPA or CERCLA documentation probably would be required for future decommissioning activities.

A.6 Waste Storage and Disposal Facilities

The storage and disposal facilities program addresses the planning, construction, and operation of waste management facilities required for the success of Hanford Site remediation activities. The Environmental Restoration Disposal Facility (ERDF) is currently under construction, and is expected to provide primary waste storage and disposal capacity to support remediation activities on the Hanford Site.

Impacts from constructing the proposed ERDF were addressed in a package of regulatory documentation prepared by the DOE pursuant to the requirements of CERCLA and NEPA (EPA 1995). Operational impacts from the ERDF are addressed as part of the assessment of cumulative impacts in the HRA-EIS. The ERDF regulatory package was used as the source for operational impacts.

A.7 Summary

Over 50 groups of TSD units, 1,000 past-practice units, and 100 surplus facilities have been identified for remedial action at the Hanford Site. The subset of actions addressed in the HRA-EIS consists of 17 individual TSD unit closures (Table A-1), 916 past-practice unit remedial actions (Table A-2), and 145 surplus facility decommissioning actions (Table A-3). A summary of the total number of units and facilities addressed in each geographic area is shown in Table A-4.

Table A-1. Resource Conservation and Recovery Act Treatment, Storage, and Disposal Unit Closures.

Geographic Area	Operable Unit	TSD Unit	TSD Unit Description
Columbia River	Contamination in the Columbia River geographic area is not associated with any TSD units		
Reactors on the River	100-NR-1	116-N-1 (1301-N) 116-N-3 (1325-N) 120-N-1 (1324-N) 120-N-2 (1324-NA)	Crib Crib Pond Neutralization Unit
	100-DR-1	120-D-1	Ponds
	100-HR-1	116-H-6 (183-H)	Retention Basin
Central Plateau	200-UP-2	216-U-12	Crib
	200-RO-1	216-S-10D 216-S-10P	Ditch Pond
	200-PO-2	216-A-10 216-A-36B	Crib Crib
	200-PO-5	216-A-29	Ditch
	200-BP-8	216-B-63	Ditch
	200-BP-11	216-B-3 (B Pond) 216-B-3-3 216-B-3A 216-B-3B 216-B-3C	Pond Ditch Pond Pond Pond
	Not Assigned	Hexone Storage and Treatment	Tanks
All Other Areas	300-FF-1	316-5 (300 Area Process Trenches)	Trench
	200-IU-3	NRDW Landfill	Landfill

NRDW = nonradioactive dangerous waste.
TSD = treatment, storage, and/or disposal.

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Columbia River	Not Assigned	Shoreline Adjacent to 100 Areas (Benton County Side)	Contaminated Shoreline Sediment
Reactors on the River	100-BC-1 (GW addressed by 100-BC-5)	116-B-1	Trench
		116-B-2	Trench
		116-B-3	Crib
		116-B-4	French Drain
		116-B-5	Crib
		116-B-6A	Crib
		116-B-6B	Crib
		116-B-7	Outfall Structure
		116-B-9	French Drain
		116-B-10	French Drain
		116-B-11	Retention Basin
		116-B-12	Crib
		116-B-13	Trench
		116-B-14	Trench
		116-B-15	Pit
		116-B-16	Storage Tank
		116-C-1	Trench
		116-C-5	Retention Basin
		118-B-5	Burial Ground
		118-B-7	Burial Ground
		118-B-10	Pit
		120-B-1	Sump
		126-B-1	Ash Pit
		126-B-2	Demolition and Inert Landfill
		126-B-3	Demolition and Inert Landfill
		126-B-4	Brine Pit
		128-B-1	Burning Pit
		128-B-2	Burning Pit
		128-B-3	Burning Pit
		128-C-1	Burning Pit
		132-B-1	Building
		132-B-3	Stack
		132-B-4	Building
		132-B-5	Building
		132-B-6	Outfall Structure
		132-C-2	Outfall Structure
		1607-B1	Septic Tank
		1607-B2	Septic Tank
		1607-B3	Septic Tank
		1607-B4	Septic Tank
		1607-B5	Septic Tank
		1607-B6	Septic Tank
		1607-B7	Septic Tank

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Reactors on the River (cont'd)	100-BC-2 (GW addressed by 100-BC-5)	116-C-2A	Crib
		116-C-2B	Pump Station
		116-C-2C	Sand Filter
		116-C-3	Storage Tank
		116-C-6	Pit
		118-B-1	Burial Ground
		118-B-2	Burial Ground
		118-B-3	Burial Ground
		118-B-4	Burial Ground
		118-B-6	Burial Ground
		118-C-1	Burial Ground
		118-C-2	Storage Tank
		132-C-1	Stack
		132-C-3	Building
		1607-B8	Septic Tank
		1607-B9	Septic Tank
		1607-B10	Septic Tank
		1607-B11	Septic Tank
	Not Assigned	100-BC Piping	Underground Pipelines
	100-BC-5 (GW OU)	100-BC-1	Source OU
		100-BC-2	Source OU
		100-BC-3	Source OU
		100-BC-4	Source OU
	100-KR-1 (GW addressed by 100-KR-4)	116-KE-4	Retention Basin
		116-KW-3	Retention Basin
		116-K-1	Crib
		116-K-2	Trench
		116-K-3	Outfall Structure
	100-KR-2 (GW addressed by 100-KR-4)	130-KE-1	Storage Tank
		130-KW-1	Storage Tank
		116-KE-1	Crib
		116-KE-2	Crib
		116-KE-3	Reverse Well
		116-KW-1	Crib
		116-KW-2	Reverse Well
		118-K-1	Burial Ground
		120-KE-8	Brine Pit
		120-KW-6	Brine Pit
		126-K-1	Demolition and Inert Landfill
		1607-K4	Septic Tank
		1607-K6	Septic Tank
		130-KE-2	Storage Tank
		130-KW-2	Storage Tank
		130-K-1	Storage Tank
		130-K-2	Storage Tank
		UN-100-K-1	Unplanned Release

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Reactors on the River (cont'd)	100-KR-3 (GW addressed by 100-KR-4)	120-KE-1	French Drain
		120-KW-2	French Drain
		120-KE-3	Trench
		120-KE-2	French Drain
		120-KW-5	Storage Tank
		120-KE-6	Storage Tank
		120-KE-9	Brine Pit
		120-KW-1	French Drain
		120-KW-7	Brine Pit
		128-K-1	Burning Pit
		128-K-2	Burning Pit
		130-K-3	Storage Tank
		1607-K1	Septic Tank
		1607-K2	Septic Tank
		1607-K3	Septic Tank
		1607-K5	Septic Tank
	Not Assigned	100-K Piping	Underground Pipelines
	100-KR-4 (GW OU)	100-KR-1	Source OU
		100-KR-2	Source OU
		100-KR-3	Source OU
	100-NR-1	116-N-2	Storage Tank
		116-N-4	Septic Tank
		118-N-1	Silos
		120-N-3	French Drain
		120-N-5	Neutralization Unit
		120-N-6	French Drain
		120-N-7	French Drain
		120-N-8	French Drain
		124-N-1	Septic Tank
		124-N-2	Septic Tank
		124-N-3	Septic Tank
		124-N-4	Septic Tank
		124-N-5	Septic Tank
		124-N-6	Septic Tank
		124-N-7	Septic Tank
		124-N-8	Septic Tank
		124-N-9	Septic Tank
		124-N-10	Sewer
		128-N-1	Burning Pit
		130-N-1	Pond

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Reactors on the River (cont'd)	100-NR-1 (cont'd)	UN-100-N-1	Unplanned Release
		UN-100-N-2	Unplanned Release
		UN-100-N-3	Unplanned Release
		UN-100-N-4	Unplanned Release
		UN-100-N-5	Unplanned Release
		UN-100-N-6	Unplanned Release
		UN-100-N-7	Unplanned Release
		UN-100-N-8	Unplanned Release
		UN-100-N-9	Unplanned Release
		UN-100-N-10	Unplanned Release
		UN-100-N-11	Unplanned Release
		UN-100-N-12	Unplanned Release
		UN-100-N-13	Unplanned Release
		UN-100-N-14	Unplanned Release
		UN-100-N-15	Unplanned Release
		UN-100-N-17	Unplanned Release
		UN-100-N-18	Unplanned Release
		UN-100-N-19	Unplanned Release
		UN-100-N-20	Unplanned Release
		UN-100-N-21	Unplanned Release
		UN-100-N-22	Unplanned Release
		UN-100-N-23	Unplanned Release
		UN-100-N-24	Unplanned Release
		UN-100-N-25	Unplanned Release
		UN-100-N-26	Unplanned Release
		UN-100-N-29	Unplanned Release
		UN-100-N-30	Unplanned Release
		UN-100-N-31	Unplanned Release
		UN-100-N-32	Unplanned Release
		UN-100-N-33	Unplanned Release
		UN-100-N-34	Unplanned Release
		UN-100-N-35	Unplanned Release
		UN-600-N-17	Unplanned Release
	100-NR-2 (GW OU)	100-NR-1	Source OU
	Not Assigned	100-N Piping	Underground Pipelines
	100-DR-1 (GW addressed by 100-HR-3)	116-D-1A	Trench
		116-D-1B	Trench
		116-D-2	Crib
		116-D-3	French Drain
		116-D-4	French Drain
		116-D-5	Outfall Structure
		116-D-6	French Drain
		116-D-7	Retention Basin
		116-D-9	Crib
		116-D-10	Pit

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Reactors on the River (cont'd)	100-DR-1 (GW addressed by 100-HR-3) (cont'd)	116-DR-1	Trench
		116-DR-2	Trench
		116-DR-5	Outfall Structure
		116-DR-9	Retention Basin
		120-D-2	Storage Tank
		126-D-1	Ash Pit
		126-D-2	Demolition and Inert Landfill
		126-D-3	Brine Pit
		128-D-2	Burn Pit
		130-D-1	Storage Tank
		132-D-1	Building
		132-D-2	Building
		132-D-3	Pump Station
		1607-D2	Septic Tank
		1607-D4	Septic Tank
		1607-D5	Septic Tank
		628-3	Burn Pit
	100-DR-2 (GW addressed by 100-HR-3)	116-DR-3	Trench
		116-DR-4	Crib
		116-DR-6	Trench
		116-DR-7	Crib
		116-DR-8	French Drain
		118-D-5	Burial Ground
		126-DR-1	Demolition and Inert Landfill
		132-DR-1	Pump Station
		1607-D3	Septic Tank
	Not Assigned	100-D Piping	Underground Pipelines
	100-DR-3 (GW addressed by 100-HR-3)	116-DR-10	Pit
		118-D-1	Burial Ground
		118-D-2	Burial Ground
		118-D-3	Burial Ground
		118-D-4	Burial Ground
		118-DR-1	Burial Ground
		128-D-1	Burning Pit
		1607-D1	Septic Tank
	100-HR-1 (GW addressed by 100-HR-3)	116-H-1	Trench
		116-H-2	Trench
		116-H-3	French Drain
		116-H-4	Crib
		116-H-5	Outfall Structure
		116-H-7	Retention Basin
		116-H-9	Crib
		126-H-2	Demolition and Inert Landfill
		132-H-1	Stack
		132-H-3	Pump Station
		1607-H2	Septic Tank
		1607-H3	Septic Tank

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Reactors on the River (cont'd)	100-HR-2 (GW addressed by 100-HR-3)	118-H-1	Burial Ground
		118-H-2	Burial Ground
		118-H-3	Burial Ground
		118-H-4	Burial Ground
		118-H-5	Burial Ground
		126-H-1	Ash Pit
		128-H-1	Burning Pit
		128-H-2	Burning Pit
		128-H-3	Burning Pit
		132-H-2	Building
		1607-H1	Septic Tank
		1607-H4	Septic Tank
	Not Assigned	100-H Piping	Underground Pipelines
	100-HR-3 (GW OU)	100-HR-1	Source OU
		100-HR-2	Source OU
		100-DR-1	Source OU
		100-DR-2	Source OU
		100-DR-3	Source OU
	100-FR-1	116-F-1	Trench
		116-F-2	Trench
		116-F-3	Trench
		116-F-4	Crib
		116-F-5	Crib
		116-F-6	Trench
		116-F-7	French Drain
		116-F-8	Outfall Structure
		116-F-9	Trench
		116-F-10	French Drain
		116-F-11	French Drain
		116-F-12	French Drain
		116-F-13	French Drain
		116-F-14	Retention Basin
		116-F-15	Crib
		116-F-16	Outfall
		126-F-2	Demolition and Inert Landfill
		128-F-2	Burning Pit
		132-F-3	Building
		132-F-4	Stack
		132-F-5	Building
		132-F-6	Pump Station
		1607-F2	Septic Tank
		1607-F3	Septic Tank
		1607-F4	Septic Tank
		1607-F5	Septic Tank
		1607-F6	Septic Tank
		UN-100-F-1	Unplanned Release

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Reactors on the River (cont'd)	100-FR-2	118-F-1	Burial Ground
		118-F-2	Burial Ground
		118-F-3	Burial Ground
		118-F-4	Burial Ground
		118-F-5	Burial Ground
		118-F-6	Burial Ground
		118-F-7	Burial Ground
		118-F-9	Burial Ground
		120-F-1	Trench
		126-F-1	Ash Pit
		128-F-1	Burning Pit
		128-F-3	Burning Pit
		1607-F1	Septic Tank
	Not Assigned	100-F Piping	Underground Pipelines
	100-FR-3 (GW OU)	100-FR-1	Source OU
		100-FR-2	Source OU
	100-IU-2	628-1	Burning Pit
		East White Bluffs Landfill	Landfill
		White Bluffs Landfill	Landfill
		J.A. Jones #2	Burial Ground
	100-IU-4	Sodium Dichromate Barrel Disposal	Landfill
	100-IU-5	White Bluffs Pickling Acid	Crib
Central Plateau	200-UP-1 (GW OU)	200-UP-2	Source OU
	200-UP-2	200-W Powerhouse Pond	Pond
		200 West Constr. Surface Laydown Area	Burial Ground
		207-U	Retention Basin
		216-U-1&2	Crib
		216-U-3	French Drain
		216-U-4	Reverse Well
		216-U-4A	French Drain
		216-U-4B	French Drain
		216-U-5	Trench
		216-U-6	Trench
		216-U-7	French Drain
		216-U-8	Crib
		216-U-9	Ditch
		216-U-10	Pond
		216-U-11	Ditch
		216-U-13	Trench
		216-U-14	Ditch

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Central Plateau (cont'd)	200-UP-2 (cont'd)	216-U-15	Trench
		216-U-16	Crib
		216-U-17	Crib
		216-Z-11	Ditch
		216-Z-19	Ditch
		216-Z-1D	Ditch
		216-Z-20	Crib
		241-U-361	Settling Tank
		241-UX-154	Diversion Box
		241-UX-302A	Catch Tank
		241-WR Vault	Vault
		270-W	Neutralization Tank
		2607-W5	Septic Tank
		2607-W7	Septic Tank
		2607-W9	Septic Tank
		UN-200-W-19	Unplanned Release
		UN-200-W-33	Unplanned Release
		UN-200-W-39	Unplanned Release
		UN-200-W-46	Unplanned Release
		UN-200-W-48	Unplanned Release
		UN-200-W-55	Unplanned Release
		UN-200-W-60	Unplanned Release
		UN-200-W-68	Unplanned Release
		UN-200-W-78	Unplanned Release
		UN-200-W-86	Unplanned Release
		UN-200-W-101	Unplanned Release
		UN-200-W-117	Unplanned Release
		UN-200-W-118	Unplanned Release
		UN-200-W-125	Unplanned Release
		UN-200-W-161	Unplanned Release
		U Plant Burning Pit	Burial Ground
	200-ZP-1 (GW OU)	200-ZP-2	Source OU
		200-TP-2	Source OU
		200-TP-4	Source OU
	200-ZP-2	207-Z	Retention Basin
		216-Z-1&2TF	Crib
		216-Z-1A	Drain Field
		216-Z-3	Crib
		216-Z-4	Trench
		216-Z-5	Crib
		216-Z-6	Crib
		216-Z-7	Crib
		216-Z-8	French Drain
		216-Z-9	Trench
		216-Z-10	Reverse Well

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Central Plateau (cont'd)	200-ZP-2 (cont'd)	216-Z-12	Crib
		216-Z-13	French Drain
		216-Z-14	French Drain
		216-Z-15	French Drain
		216-Z-16	Crib
		216-Z-17	Trench
		216-Z-18	Crib
		231-W-151	Vault
		241-Z-8	Settling Tank
		241-Z-361	Settling Tank
		2607-Z	Septic Tank
		2607-W8	Septic Tank
		2607-WA	Septic Tank
		2607-Z8	Septic Tank
		UN-200-W-23	Unplanned Release
		UN-200-W-74	Unplanned Release
		UN-200-W-75	Unplanned Release
		UN-200-W-79	Unplanned Release
		UN-200-W-89	Unplanned Release
		UN-200-W-90	Unplanned Release
		UN-200-W-91	Unplanned Release
		UN-200-W-103	Unplanned Release
		UN-200-W-130	Unplanned Release
		UN-200-W-159	Unplanned Release
	200-ZP-3	218-W-1	Burial Ground
		218-W-1A	Burial Ground
		218-W-2	Burial Ground
		218-W-2A	Burial Ground
		218-W-3	Burial Ground
		218-W-4A	Burial Ground
		218-W-11	Burial Ground
		2607-WWA	Septic Tank
		Z Plant Burning Pit	Pit
		UN-200-W-11	Unplanned Release
		UN-200-W-44	Unplanned Release
		UN-200-W-132	Unplanned Release
	200-RO-1	216-S-4	French Drain
		216-S-5	Crib
		216-S-6	Crib
		216-S-11	Pond
		216-S-16D	Ditch
		216-S-16P	Pond
		216-S-17	Pond
		216-S-172	Control Structure
		216-S-19	Pond
		216-S-21	Crib
		216-S-25	Crib
		2607-WZ	Septic Tank

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Central Plateau (cont'd)	200-RO-1 (cont'd)	2904-S-160	Control Structure
		2904-S-170	Control Structure
		2904-S-171	Control Structure
	200-RO-2	207-S	Retention Basin
		216-S-1&2	Crib
		216-S-3	French Drain
		216-S-7	Crib
		216-S-8	Trench
		216-S-9	Crib
		216-S-13	Crib
		216-S-15	Pond
		216-S-18	Trench
		216-S-23	Crib
		218-W-9	Burial Ground
		241-S-151	Diversion Box
		241-S-302A	Catch Tank
		241-SX-302	Catch Tank
		UN-200-W-32	Unplanned Release
		UN-200-W-34	Unplanned Release
		UN-200-W-41	Unplanned Release
		UN-200-W-42	Unplanned Release
		UN-200-W-49	Unplanned Release
		UN-200-W-50	Unplanned Release
		UN-200-W-52	Unplanned Release
		UN-200-W-69	Unplanned Release
		UN-200-W-82	Unplanned Release
		UN-200-W-83	Unplanned Release
		UN-200-W-108	Unplanned Release
		UN-200-W-109	Unplanned Release
		UN-200-W-114	Unplanned Release
		UN-200-W-123	Unplanned Release
		UN-200-W-127	Unplanned Release
	200-RO-3	207-SL	Retention Basin
		216-S-12	Trench
		216-S-14	Trench
		216-S-20	Crib
		216-S-22	Crib
		216-S-26	Crib
		218-W-7	Burial Ground
		240-S-151	Diversion Box
		240-S-152	Diversion Box
		240-S-302	Catch Tank
		2607-W6	Septic Tank
		UN-200-W-30	Unplanned Release
		UN-200-W-35	Unplanned Release
		UN-200-W-43	Unplanned Release
		UN-200-W-56	Unplanned Release
		UN-200-W-61	Unplanned Release
		UN-200-W-116	Unplanned Release

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Central Plateau (cont'd)	200-TP-1	216-T-5	Trench
		216-T-7TF	Crib
		216-T-21	Trench
		216-T-22	Trench
		216-T-23	Trench
		216-T-24	Trench
		216-T-25	Trench
		216-T-32	Crib
		216-T-36	Crib
	200-TP-2	2607-WT	Septic Tank
		216-T-13	Trench
		216-T-18	Crib
		216-T-19TF	Crib
		216-T-20	Trench
		216-T-26	Crib
		216-T-27	Crib
		216-T-28	Crib
		216-T-31	French Drain
		241-TX-152	Diversion Box
		241-TX-155	Diversion Box
		241-TX-302B	Catch Tank
		241-TX-302BR	Catch Tank
		UN-200-W-14	Unplanned Release
		UN-200-W-29	Unplanned Release
		UN-200-W-99	Unplanned Release
		UN-200-W-113	Unplanned Release
		UN-200-W-135	Unplanned Release
	200-TP-3	207-T	Retention Basin
		216-T-12	Trench
		216-T-14	Trench
		216-T-15	Trench
		216-T-16	Trench
		216-T-17	Trench
		216-T-4-1D	Ditch
		216-T-4-2	Ditch
		216-T-4A	Pond
		216-T-4B	Pond
		216-T-6	Crib
		UN-200-W-7	Unplanned Release
		UN-200-W-63	Unplanned Release
	200-TP-4	216-T-1	Ditch
		216-T-2	Reverse Well
		216-T-3	Reverse Well
		216-T-8	Crib
		216-T-9	Trench
		216-T-10	Trench
		216-T-11	Trench

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Central Plateau (cont'd)	200-TP-4 (cont'd)	216-T-29	Crib
		216-T-33	Crib
		216-T-34	Crib
		216-T-35	Crib
		218-W-8	Burial Ground
		241-T-361	Settling Tank
		241-TX-154	Diversion Box
		241-TX-302C	Catch Tank
		2607-W3	Septic Tank
		2607-W4	Septic Tank
		UN-200-W-2	Unplanned Release
		UN-200-W-3	Unplanned Release
		UN-200-W-4	Unplanned Release
		UN-200-W-8	Unplanned Release
		UN-200-W-27	Unplanned Release
		UN-200-W-38	Unplanned Release
		UN-200-W-58	Unplanned Release
		UN-200-W-65	Unplanned Release
		UN-200-W-67	Unplanned Release
		UN-200-W-73	Unplanned Release
		UN-200-W-77	Unplanned Release
		UN-200-W-85	Unplanned Release
		UN-200-W-98	Unplanned Release
		UN-200-W-102	Unplanned Release
		UN-200-W-137	Unplanned Release
	200-SS-2	200 West Ash Disposal Basin	Ash Pit
		200 West Burning Pit	Burning Pit
		200-W Powerhouse Ash Pit	Ash Pit
		216-W-LC	Crib
		2607-W1	Septic Tank
		2607-W2	Septic Tank
		UN-200-W-88	Unplanned Release
	200-PO-1 (GW OU)	200-BP-2	Source OU
		200-BP-11 (South Part)	Source OU
		200-PO-2 (South Part)	Source OU
		200-PO-3 (South Part)	Source OU
		200-PO-4	Source OU
		200-PO-5 (South Part)	Source OU
		200-SS-1	Source OU
	200-PO-2 (Source OU)	216-A-2	Crib
		216-A-3	Crib
		216-A-4	Crib
		216-A-5	Crib
		216-A-9	Crib
		216-A-11	French Drain
		216-A-12	French Drain
		216-A-13	French Drain
		216-A-14	French Drain
		216-A-15	French Drain

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Central Plateau (cont'd)	200-PO-2 (Source OU) (cont'd)	216-A-21	Crib
		216-A-22	French Drain
		216-A-26	French Drain
		216-A-26A	French Drain
		216-A-27	Crib
		216-A-28	French Drain
		216-A-31	Crib
		216-A-32	Crib
		216-A-33	French Drain
		216-A-35	French Drain
		216-A-36A	Crib
		216-A-38-1	Crib
		216-A-40	Trench
		216-A-41	Crib
		216-A-45	Crib
		218-E-1	Burial Ground
		218-E-13	Burial Ground
		241-A-151	Diversion Box
		241-A-302A	Catch Tank
		299-E24-111	Injection Well
		2607-E6	Septic Tank
		2607-EA	Septic Tank
		UN-200-E-10	Unplanned Release
		UN-200-E-11	Unplanned Release
		UN-200-E-12	Unplanned Release
		UN-200-E-13	Unplanned Release
		UN-200-E-15	Unplanned Release
		UN-200-E-19	Unplanned Release
		UN-200-E-20	Unplanned Release
		UN-200-E-22	Unplanned Release
		UN-200-E-25	Unplanned Release
		UN-200-E-26	Unplanned Release
		UN-200-E-28	Unplanned Release
		UN-200-E-31	Unplanned Release
		UN-200-E-33	Unplanned Release
		UN-200-E-35	Unplanned Release
		UN-200-E-39	Unplanned Release
		UN-200-E-40	Unplanned Release
		UN-200-E-42	Unplanned Release
		UN-200-E-49	Unplanned Release
		UN-200-E-58	Unplanned Release
		UN-200-E-60	Unplanned Release
		UN-200-E-65	Unplanned Release
		UN-200-E-88	Unplanned Release
		UN-200-E-96	Unplanned Release
		UN-200-E-97	Unplanned Release
		UN-200-E-114	Unplanned Release
		UN-200-E-117	Unplanned Release
		UN-200-E-142	Unplanned Release

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Central Plateau (cont'd)	200-PO-4 (Source OU)	216-A-6	Crib
		216-A-30	Crib
		216-A-37-1	Crib
		216-A-37-2	Crib
		216-A-42	Retention Basin
		2607-EL	Septic Tank
	200-PO-5 (Source OU)	207-A	Retention Basin
		216-A-1	Crib
		216-A-7	Crib
		216-A-8	Crib
		216-A-16	French Drain
		216-A-17	French Drain
		216-A-18	Trench
		216-A-19	Trench
		216-A-20	Trench
		216-A-23A	French Drain
		216-A-23B	French Drain
		216-A-24	Crib
		216-A-29	Ditch
		216-A-34	Ditch
		216-A-524	Control Structure
		241-A-302B	Catch Tank
		2607-EC	Septic Tank
		UN-200-E-56	Unplanned Release
		UN-200-E-67	Unplanned Release
	200-PO-6	200-E Burning Pit	Pit
		218-E-12A	Burial Ground
		218-E-8	Burial Ground
		UN-200-E-62	Unplanned Release
	200-BP-1 (Source OU)	216-B-43	Crib
		216-B-44	Crib
		216-B-45	Crib
		216-B-46	Crib
		216-B-47	Crib
		216-B-48	Crib
		216-B-49	Crib
		216-B-50	Crib
		216-B-57	Crib
		216-B-61	Crib
		UN-200-E-89	Unplanned Release
		UN-200-E-110	Unplanned Release
		UN-200-E-63	Unplanned Release
		UN-200-E-9	Unplanned Release

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Central Plateau (cont'd)	200-BP-2 (Source OU)	216-B-14	Crib
		216-B-15	Crib
		216-B-16	Crib
		216-B-17	Crib
		216-B-18	Crib
		216-B-19	Crib
		216-B-20	Trench
		216-B-21	Trench
		216-B-22	Trench
		216-B-23	Trench
		216-B-24	Trench
		216-B-25	Trench
		216-B-26	Trench
		216-B-27	Trench
		216-B-28	Trench
		216-B-29	Trench
		216-B-30	Trench
		216-B-31	Trench
		216-B-32	Trench
		216-B-33	Trench
		216-B-34	Trench
		216-B-52	Trench
		216-B-53A	Trench
		216-B-53B	Trench
		216-B-54	Trench
		216-B-58	Trench
		UN-200-E-83	Unplanned Release
	200-BP-3 (Source OU)	216-B-35	Trench
		216-B-36	Trench
		216-B-37	Trench
		216-B-38	Trench
		216-B-39	Trench
		216-B-40	Trench
		216-B-41	Trench
		216-B-42	Trench
	200-BP-4 (Source OU)	216-B-11A&B	Reverse Well
		216-B-51	French Drain
		216-B-7A&B	Crib
		216-B-8TF	Crib
	200-BP-5 (GW OU)	200-BP-1	Source OU
		200-BP-3	Source OU
		200-BP-4	Source OU
		200-BP-6	Source OU
		200-BP-7	Source OU
		200-BP-8	Source OU
		200-BP-9	Source OU
		200-BP-10	Source OU

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Central Plateau (cont'd)	200-BP-5 (GW OU) (cont'd)	200-BP-11 (North Part)	Source OU
		200-NO-1	Source OU
		200-PO-2 (North Part)	Source OU
		200-PO-3 (North Part)	Source OU
		200-PO-5 (North Part)	Source OU
		200-SO-1	Source OU
		200-IU-6	Source OU
	200-BP-6	216-B-4	Reverse Well
		216-B-5	Reverse Well
		216-B-6	Reverse Well
		216-B-9TF	Crib
		216-B-10A	Crib
		216-B-10B	Crib
		216-B-13	French Drain
		216-B-56	Crib
		216-B-59A	Trench
		216-B-59B	Retention Basin
		216-B-60	Crib
		218-E-6	Burial Ground
		218-E-7	Burial Ground
		241-B-154	Diversion Box
		241-B-302-B	Catch Tank
		241-B-361	Settling Tank
		241-BX-154	Diversion Box
		241-BX-155	Diversion Box
		241-BX-302B	Catch Tank
		241-BX-302C	Catch Tank
		241-ER-152	Diversion Box
		270-E Condensate Neutralization Tank	Neutralization Tank
		2607-E3	Septic Tank
		2607-E4	Septic Tank
		Tile Field South of 218-E-4	Drain Field
		UN-200-E-1	Unplanned Release
		UN-200-E-2	Unplanned Release
		UN-200-E-3	Unplanned Release
		UN-200-E-7	Unplanned Release
		UN-200-E-41	Unplanned Release
		UN-200-E-44	Unplanned Release
		UN-200-E-45	Unplanned Release
		UN-200-E-52	Unplanned Release
		UN-200-E-54	Unplanned Release
		UN-200-E-55	Unplanned Release
		UN-200-E-69	Unplanned Release

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Central Plateau (cont'd)	200-BP-6 (cont'd)	UN-200-E-80	Unplanned Release
		UN-200-E-85	Unplanned Release
		UN-200-E-87	Unplanned Release
		UN-200-E-90	Unplanned Release
		UN-200-E-103	Unplanned Release
		UN-200-E-140	Unplanned Release
	200-BP-8	207-B	Retention Basin
		216-B-2-1	Ditch
		216-B-2-2	Ditch
		216-B-2-3	Ditch
		2607-E9	Septic Tank
	200-BP-9	200 Area Construction Pit	Pit
		216-B-12	Crib
		216-B-55	Crib
		216-B-62	Crib
		216-B-64	Retention Basin
		241-ER-151	Diversion Box
		241-ER-311	Catch Tank
		UN-200-E-64	Unplanned Release
	200-BP-10	218-E-2	Burial Ground
		218-E-2A	Burial Ground
		218-E-4	Burial Ground
		218-E-5	Burial Ground
		218-E-5A	Burial Ground
		218-E-9	Burial Ground
		UN-200-E-61	Unplanned Release
		UN-200-E-95	Unplanned Release
		UN-200-E-112	Unplanned Release
	200-BP-11 (Source OU)	216-B-3-1	Ditch
		216-B-3-2	Ditch
		216-E-25	Pond
		UN-200-E-14	Unplanned Release
		UN-200-E-92	Unplanned Release
	200-SS-1	200-E Powerhouse Ash Pit	Ash Pit
		218-E-3	Burial Ground
		2607-E1	Septic Tank
		2607-E7B	Septic Tank
		2607-E8	Septic Tank
		2607-EH	Septic Tank
		2607-EK	Septic Tank
		2607-EM	Septic Tank
		2607-EP	Septic Tank
		2607-EQ	Septic Tank
		2607-ER	Septic Tank
		2607-GF	Septic Tank
		Chemical Tile Field North of 2703-E	Drain Field

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
Central Plateau (cont'd)	200-SO-1 (Source OU)	200-E Power Ditch	House Ditch
		216-C-1	Crib
		216-C-2	Reverse Well
		216-C-3	Crib
		216-C-4	Crib
		216-C-5	Crib
		216-C-6	Crib
		216-C-7	Crib
		216-C-9	Pond
		216-C-10	Crib
		218-C-9	Burial Ground
		241-CX-70	Storage Tank
		241-CX-71	Neutralization Tank
		241-CX-72	Storage Tank
		2607-E5	Septic Tank
		2607-E7A	Septic Tank
		Hot Semi-Works Valve Pit	Valve Pit
		UN-200-E-36	Unplanned Release
		UN-200-E-37	Unplanned Release
		UN-200-E-98	Unplanned Release
		UN-200-E-141	Unplanned Release
	200-NO-1 (Source OU)	216-N-1	Pond
		216-N-2	Trench
		216-N-3	Trench
		216-N-4	Pond
		216-N-5	Trench
		216-N-6	Pond
		216-N-7	Trench
	200-IU-1	Exploratory Shaft HWSA	Staging Area
		Exploratory Shaft Septic Tank	Septic Tank
		6607-3	Septic Tank
	200-IU-5	Batch Plant HWSA	Staging Area
		2607-FSN	Septic Tank
		622-1	Dumping Area
		622-R	Septic Tank
		Old Central Shop Area	Test Treatment or Support Facility
	200-IU-6 (Source OU)	216-A-25	Pond
		216-N-8	Pond

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
All Other Areas	300-FF-1	300 Ash Pits	Pit
		300 Filter Backwash Pond	Pond
		300 Retired Filter Backwash	Pond
		300 Retired RLWS	Sewer
		300 Area RLWS and 340 Complex	Sewer
		300 Area Sanitary Sewer System	Sewer
		307	Retention Basin
		316-1	Pond
		316-2	Pond
		316-3	Trench
		618-12	Burial Ground
		618-4	Burial Ground
		618-5	Burial Ground
		628-4	Burn Pit
		UN-300-1	Unplanned Release
		UN-300-2	Unplanned Release
		UN-300-11	Unplanned Release
		UN-300-14	Unplanned Release
		UN-300-31	Unplanned Release
		UN-300-41	Unplanned Release
		UN-300-FF-1	Unplanned Release
	300-FF-2 (GW addressed by 300-FF-5)	300 Vitrification Test Site	Test Treatment Facility
		300 Interim Filter Backwash Disposal	Neutralization Unit
		309-TW-1	Storage Tank
		309-TW-2	Storage Tank
		309-TW-3	Storage Tank
		315 Retired Drain Field	Drain Field
		316-4	Crib
		331 Drain field	Drain Field
		331 Trench 1	Trench
		331 Trench 2	Trench
		335 & 336 Retired Drain Fields	Drain Fields
		618-1	Burial Ground
		618-2	Burial Ground
		618-3	Burial Ground
		618-6	Burial Ground
		618-7	Burial Ground
		618-8	Burial Ground
		618-9	Burial Ground
		618-10	Burial Ground
		618-11	Burial Ground
		618-13	Burial Ground

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
All Other Areas (cont'd)	300-FF-2 (GW addressed by 300-FF-5) (cont'd)	UN-300-4	Unplanned Release
		UN-300-5	Unplanned Release
		UN-300-7	Unplanned Release
		UN-300-10	Unplanned Release
		UN-300-12	Unplanned Release
		UN-300-13	Unplanned Release
		UN-300-17	Unplanned Release
		UN-300-18	Unplanned Release
		UN-300-39	Unplanned Release
		UN-300-40	Unplanned Release
		UN-300-42	Unplanned Release
		UN-300-43	Unplanned Release
		UN-300-44	Unplanned Release
		UN-300-45	Unplanned Release
		J. A. Jones #1	Landfill
		4713-B French Drain	French Drain
		4722-B French Drain	French Drain
		4722-C French Drain	French Drain
		French Drain #10	French Drain
		French Drain #10A	French Drain
		French Drain #1A	French Drain
		French Drain #1B	French Drain
		French Drain #2	French Drain
		French Drain #3	French Drain
		French Drain #4	French Drain
		French Drain #5	French Drain
		French Drain #6	French Drain
		French Drain #7	French Drain
		French Drain #8	French Drain
		French Drain #9	French Drain
		403 French Drain	French Drain
		4721 French Drain	French Drain
		400 Area Process Pond and Sewer	Pond
		400 Area Retired French Drains	French Drain
		400 Area Retired Sanitary Pond	Pond
		400 Area Retired Septic Tanks	Septic Tank
		Sand Bottom Trench	Trench
		Sanitary Sewer	Drain Field
		Sanitary Tile Field	Drain Field
		4831 Laydown Hazardous Staging	Staging Area
		UN-400-1	Unplanned Release
	300-FF-5 (GW OU)	300-FF-1	Source OU
		300-FF-2	Source OU
		300-FF-3	Source OU
	100-IU-1	Army Munitions Burial Site	Burial Ground
		Riverland Railroad Car Wash Pit	Pit

Table A-2. Past-Practice Waste Site Remedial Actions. (21 sheets)

Geographic Area	Operable Unit	Past-Practice Waste Site	Description
All Other Areas (cont'd)	200-IU-2	NSTF Septic Tank	Septic Tank
		NSTF Underground Tank	Storage Tank
		628-2	Burning Pit
		1607-FSM	Septic Tank
	200-IU-3	Central Landfill	Landfill
		Original Central Landfill	Landfill
		6607-1	Septic Tank
		6607-2	Septic Tank
		UN-600-12	Unplanned Release
	200-IU-4	Hanford Townsite Landfill	Landfill
		Hanford Trailer Camp Landfill	Landfill
		213 J & K	Crib
		P-11	Crib
		UN-600-16	Unplanned Release
		UN-600-18	Unplanned Release
		UN-600-19	Spill

GW = groundwater.
OU = operable unit.

Table A-3. Surplus Facility Decommissioning (adapted from Hearney 1995). (4 sheets)

Geographic Area	Surplus Facility
Columbia River	100-BC River Discharge Lines 100-D/DR River Discharge Lines 100-N River Discharge Lines 100-KE/KW River Discharge Lines 100-F River Discharge Lines 100-H River Discharge Lines
Reactors on the River	103-B Unirradiated Fuel Storage/Riggers Loft 104-B-1 Tritium Vault 104-B-2 Tritium Laboratory 116-B Exhaust Air Stack 1608-B Gas/Line Pressure/Vacuum Seal House 1701-BA Area Badge House
	105-C Process Water Tunnels 105-C High Tanks (2) 183-C Filter Plant 190-C Pump House 1702-C Badge House 1714-C Solvent Storage Building
	103-D Unirradiated Fuel Element Storage Building 105-D Process Water Tunnels 116-D Exhaust Air Stack
	105-DR Process Water Tunnels 116-DR Exhaust Air Stack 117-DR Exhaust Air Filter Building 190-DR Main Pump House -w/N&S Annex
	108-F Biology Laboratory Building
	1713-H Warehouse 1720-HA Arsenal
	167-K Cross Tie Tunnel and Building 182-K Emergency Water Reservoir Pumphouse 105-KE Process Water Tunnel 110-KE Gas Storage Facility 115-KE Gas Recirculation Building 116-KE Exhaust Air Stack 117-KE Exhaust Air Filter Building 1713-KE Warehouse 105-KW Process Water Tunnels 110-KW Gas Storage Facility 115-KW Gas Recirculation Building 116-KW Reactor Exhaust Stack 117-KW Exhaust Air Filter Building 119-KW Exhaust Air Sample Building 165-KW Power Control Building (excluding switchgear portion of building)

Table A-3. Surplus Facility Decommissioning (adapted from Hearney 1995). (4 sheets)

Geographic Area	Surplus Facility
Reactors on the River (cont'd)	11-N Change Room 13-N Storage Building 104-N Storage Building 105-NA Emergency Diesel Pump Building 105-NB Maintenance Shop Addition 105-NC Emergency Diesel Generator Building 105-ND Remote Air Intake 105-NE Fission Products Trap 107-N Basin Recirculation Facility 108-N Chemical Unloading Facility 109-N Heat Exchanger Building 109-NA Steam and Flow Instrument Building 109-NB Hydro Power Unit Building 116-N Air Stack 117-NVH Valve Control House 119-NA Continuous Airborne Effluent Monitor Annex 151-N 230KV Electrical Substation 153-N Switchgear Building 163-N Demineralizer Plant Building 166-N Fuel Oil Storage Facility 181-N River Pumphouse 181-NA Pumphouse Guard Tower 181-NB #3 Diesel Enclosure 181-NC Sample Station/Skid Station 182-N High Lift Pumphouse 183-N Water Filter Plant Building 183-NA Pumphouse 183-NB Clearwell 183-NC Filter Backwash Sump 184-N Plant Service Powerhouse 184-NA Auxiliary Power Annex Building 184-NB Air Handler Main Building 184-NC Air Handler Facility 184-ND Fuel/Diesel Oil Day Tanks 184-NE Compressor Shed 1112-NB Badge House (SEA) 1134-NA Motor Generator (Line Conditioner) 1143-N Carpenter/Paint Shop 1310-N Radioactive Liquid Waste Treatment Facility 1312-N Liquid Effluent Retention Facility (LERF) 1313-N Control/Change Room 1315-N Reactor Diversion Valve House 1316-N Valve House 1316-NA Valve House 1316-NB Crib Effluent Iodine Monitoring Facility

Table A-3. Surplus Facility Decommissioning (adapted from Hearney 1995). (4 sheets)

Geographic Area	Surplus Facility
Reactors on the River (cont'd)	1322-N Waste Treatment Pilot Plant Facility 1322-NA Effluent Water Pilot Plant Facility 1322-NB Crib Effluent Iodine Monitoring Facility 1322-NC Sample Pit 1327-N Diversion Valve House 1702-N Vehicle Inspection Building 1705-N Instrument and Electrical Facility 1705-NA Maintenance Shop Annex 1706-N Maintenance Shop/Storage Building 1707-N Boathouse 1712-N Insulation Shop 1714-N Warehouse 1714-NA Warehouse 1714-NB Warehouse 1715-N Oil Storage Tanks 1722-N Decontamination Shop 1723-N Warehouse 1723-NX Laydown Storage Yard 1734-N Gas Bottle Storage Building 1900-N Water Supply Tanks 1903-N Old Septic System
Central Plateau	241-A-431 Tank Farm Ventilation Building 215-C Gas Preparation Structure 241-C-801 Cesium Loadout Facility 233-S Plutonium Concentrator Facility 211-S Aqueous Chemical Make-up Tank Farm (6 tanks) 233-SA Exhaust Filter Building 291-S Exhaust Fan House and Control Stack 291-S-1 Stack 292-S Valve Pit House 293-S Offgas Treatment Facility 296-S-1 Stack 296-S-2 Stack 296-S-4 Stack 296-S-6 Stack 296-S-7 E. And W. Stacks 296-S-12 Stacks 2711-S Stack Gas Monitoring Station 2718-S Sand Filter Sampler Monitoring Station 2904-SA Cooling Water Sampling Building 241-SX-401 Condenser Loadout Facility (North) 214-SX-402 Condenser Loadout Facility (South) 211-U Aqueous Chemical Make-up Station (6 tanks) 271-U Office Building 276-U Solvent Handling Facility 291-U Fan Control House and Sand Filter 291-U-1 Stack 296-U-10 Stack

Table A-3. Surplus Facility Decommissioning (adapted from Hearney 1995). (4 sheets)

Geographic Area	Surplus Facility
Central Plateau (cont'd)	232-Z Waste Incinerator Facility 224-UA Calcination and Loadout Building 272-U Hot Shop/Cold Shop 2715-U Oil Storage Shed 203-U Uranium Storage Tank Enclosure 207-U Retention Basin 207-U Sample Shack
All Other Areas	212-N Storage Building 212-R Storage Building

Table A-4. Summary of Actions Addressed in the Hanford Remedial Action Environmental Impact Statement.

Geographic Area	TSD Unit Closures	Past-Practice Waste Site Remedial Actions	Surplus Facility Decommissioning Actions
Columbia River	0	1[a]	6[b]
Reactors on the River	6	289[c]	103
Central Plateau	9	522	34
All Other Areas	2	104	2
TOTAL	17	916	145

[a]Consists of contaminated shoreline and island sediments.

[b]Represents the underwater river discharge lines at the six reactor areas (100-B/C, 100-K, 100-N, 100-D, 100-H, 100-F).

[c]Includes six past-practice waste sites representing on-land underground effluent lines at the six reactor areas (100-/BC, 100-K, 100-N, 100-D, 100-H, 100-F).

TSD = treatment, storage, and/or disposal.

A.8 References

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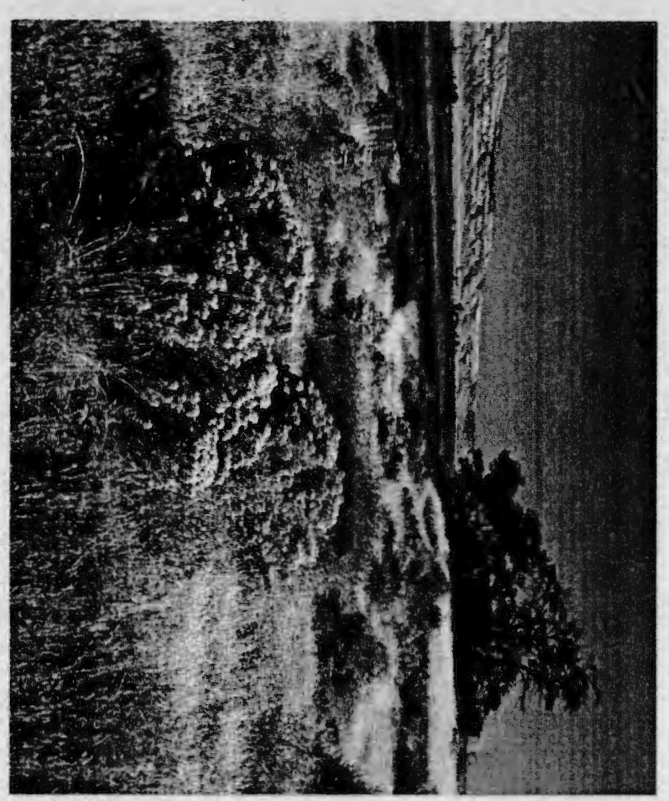

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Appendix B

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B.0 Human Health Risk Assessment Methodology and Calculations

This appendix describes the methodology used to estimate risks of human exposure to radionuclides and hazardous chemicals associated with the No-Action Alternative and risks associated with accidents occurring during remediation. Appendix B1 briefly summarizes Appendices B2 through B6, which provide detailed descriptions of the risk assessment methodology and the results obtained.

The human health risk assessment involved extensive use of computer models requiring large amounts of input data and generating expansive numerical results. These data and summary results are presented in tabular form in these appendices.

Understanding Risk Estimation

Estimation of human health risk involves a series of calculations that indicate the potential health consequence of a particular course of action or if an accident occurs, and the probability that the action or accident would occur. Consequences can be calculated both for individuals and for a population. The probability of occurrence for routine actions is 1.0, meaning the action will occur at regular intervals, typically daily, over a year of operations. The probability of accidents, therefore, is between zero and 1.0, indicating that the nonroutine event might be expected to occur at some random point in time over the entire operations period.

The health impacts of concern from low levels of radiation exposure is a radiation-induced cancer fatality. To quantify the radiological risk, the radiological dose must be calculated. The dose is a function of the exposure pathway (external, inhalation, or ingestion), and the type and amount of a radionuclide involved. After the dose is estimated, the health impact is calculated from current internationally-recognized risk factor estimates. For this document, potential radiological consequences are based on a scenario that includes prudently conservative exposure, release, and risk factor estimates. The impact estimates bound any that would be expected because of the use of conservative assumptions.

The unit of radiation dose for an individual is the rem. A millirem (mrem) is 1/1000 of a rem. The unit of dose for a population is person-rem, and is determined by summing the individual doses of an exposed population. Dividing the person-rem estimate by the number of people in the population would indicate the average dose to a single individual. The impacts from a small dose to a large number of people can be approximated by the use of population (i.e., collective) dose estimates.

To translate radiological dose estimates into health impact statements, a risk factor that indicates the mathematical expectation (risk) of a latent cancer fatality (LCF) is used. LCF is defined as the risk of fatality resulting from a cancer that was originally induced by radiation, but which may occur years after the exposure. The risk factor, for low (less than 20 rem) annual doses, is 0.0005 LCFs/person-rem for the general public, which includes the very young and the very old, and 0.0004 for the worker population. For example, a population dose of 2,000 person-rem is estimated to result in one additional cancer fatality (0.0005 x 2,000 = 1). The risk factor for an individual is increased by a factor of 2 if the individual dose is greater than 20 rem/year (20,000 mrem/year).

The average individual in the U.S. receives a dose of 0.3 rem (300 mrem) each year from natural background radiation. Natural background radiation sources include radon that has concentrated in homes from foundation soil sources, uranium found in rocks used as building materials, and cosmic radiation from the earths atmosphere. The average lifetime risk to a member of the public from a 70-year exposure due to natural background radiation is 0.01 (70 x 0.3 x 0.0005).

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Appendix B1

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B1.0 Introduction

B1.1 No-Action Alternative Risk Estimation

This appendix summarizes the No-Action Alternative (baseline) risk assessment methodology used in the *Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan* (HRA-EIS). The general approach in the HRA-EIS was to estimate the cancer and noncancer risks of the No-Action Alternative and to compare the results with the risk range identified in the "National Oil and Hazardous Substances Pollution Contingency Plan" (40 CFR 300) as a target risk range for *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* sites. This comparison allows a preliminary determination of whether various exposure scenarios are consistent with existing site risks. This requires the incremental lifetime cancer risk under a given exposure scenario to fall within or be lower than a range of 10^{-4} to 10^{-6} (one in 10,000 to one in 1 million); and requires that exposure to hazardous chemicals to be lower than threshold values recommended by the U.S. Environmental Protection Agency and other regulatory authorities. This provides a baseline risk estimation against which the risks associated with the future land-use alternatives may be compared.

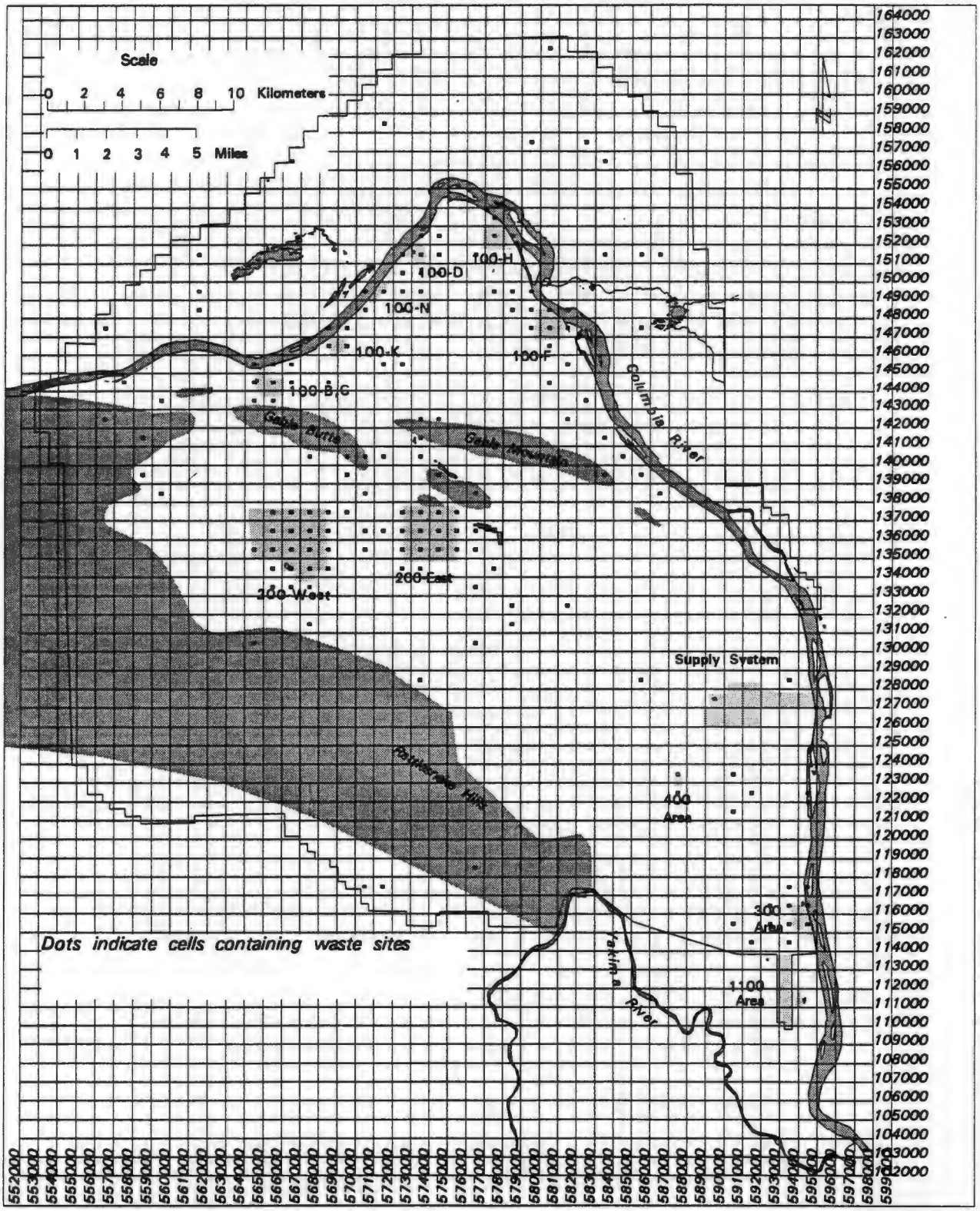
Several key simplifying concepts were necessary to develop a methodology to assess site-wide risks at a site as large and as complex as Hanford, including:

- Defining the site as a grid of cells each 1 km by 1 km (0.6 mi by 0.6 mi)
- Aggregating hazardous constituents within each cell
- Using well-defined discrete exposure scenarios already established in existing site methodology documents (DOE-RL 1993a)
- Separating the risk assessment process into discrete modules that could be dealt with independently and then combined
- Using unit risk factors (URF) in this modular approach to facilitate risk estimates as source terms vary
- Presenting risk in readily understood graphical contour plots.

Because of the resource demands associated with individually assessing risk at a large number of potential contaminant release sites (more than 1,000), an approach had to be developed to aggregate the waste sites and integrate the effects of their potential releases. The waste sites were aggregated by waste form: contaminated soil with overburden, contaminated soils without overburden, surface water, and groundwater. These sites were aggregated into cells defined by overlaying a grid of 1-km (0.6-mi) square cells over the site (Figure B1-1). The potential contaminant release and transport through the environment from each cell was estimated using computer models. The modeling results from multiple cells were combined to provide environmental concentrations in the air, soil, groundwater, and surface water to which a human or ecological receptor might be exposed.

The exposure of a human receptor to hazards in the environment is largely controlled by how a geographic area will be used in the future. The possibility of different land uses on the Hanford Site was addressed by estimating risks associated with four exposure scenarios for both on and offsite receptors: residential, agricultural, industrial, and recreational. Assumptions were made for each of

Figure B1-1. One-Kilometer Grid of the Hanford Site Showing Cells Containing Waste Sites.



these scenarios concerning the type and extent of contact with potentially contaminated media (air, soil, water, and food). Additional information about exposure scenario assumptions is presented in Chapter 3.0 of the HRA-EIS.

The risk to a given receptor is ultimately determined by the quantity of contaminant transported from a waste source to the receptor. Estimation of risk can be simplified by separating the process into discrete modules that can be dealt with separately and then combined. These modules include the source (waste) terms, hazard transport mechanisms, exposure scenarios, and the variables used to calculate risk from a given exposure.

The source term is the amount of hazardous material present at the beginning of the assessment (1990 for the HRA-EIS). The potentially contaminated media examined in this risk assessment are soil, groundwater, surface water, and air. Information used to compile the source terms was obtained from the Waste Information Data System (WIDS) (WHC 1991a), *Solid Waste Information Tracking System* (WHC 1991b), and Hanford Environmental Information System databases; limited field investigations (DOE-RL 1993b); the source terms for Environmental Restoration Disposal Facility documentation (DOE-RL and USACE 1994); and other sources where applicable.

Transport refers to the movement of a contaminant in the environment from the source to the potential receptor. Contaminants migrate through the air, surface water, and groundwater. Migration is modeled using computer programs that simulate the movement through the environment. To do this modeling, assumptions are made regarding the transfer of contaminants from one medium to the other, the types and quantities of food ingested, the source of drinking water supplies, proximity to the source terms, and barriers that isolate the source from the environment. The environmental transport code used in the HRA-EIS was the Multimedia Environmental Pollutant Assessment System (MEPAS), developed by Pacific Northwest National Laboratory at Hanford (Droppo 1991). Hanford chemicals of concern that were not already in MEPAS were added for this analysis.

After the transport of a contaminant through the environment is estimated, the exposure of individuals to the hazard is calculated. Four exposure scenarios from the *Hanford Site Baseline Risk Assessment Methodology*[1] (HSBRAM) (DOE-RL 1993a) were used in the HRA-EIS, as described above. Three types of risk were estimated: cancers due to radionuclides, cancers due to chemical carcinogens, and noncancerous toxic effects.

Variations in the amount of contaminant present in source terms are accommodated in the transport model by starting with a unit concentration of each hazardous substance. Exposures and risks are estimated for all receptors on this unit basis, which results in URFs for each hazardous constituent. The unit risk is the amount of risk associated with one unit of the substance present at the source location. The risk associated with a given source is then estimated by multiplying the URF by the estimate of actual amount of hazardous constituent present.

To estimate risk to future generations, several future time periods were analyzed for the No-Action Alternative. These times were selected to correspond with the expected duration of remedial activities and an assumed future loss of institutional control. This methodology allows for

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[1]At the time of this writing, the *Hanford Site Baseline Risk Assessment Methodology* (DOE-RL 1993a) was used to conduct the baseline risk assessment. Since that time, the methodology has been updated and revised in the *Hanford Site Risk Assessment Methodology* (DOE-RL 1995). The revision reflects new EPA guidance on the preparation of ecological risk assessments and experience gained through performing qualitative risk assessments. The revisions did not alter the exposure parameters used in the risk analysis for this EIS.

evaluation of overall risk and is capable of accounting for both the effects of widely scattered release sites and the timing of remedial activities. While the methodology used in the HRA-EIS arrives at the same result as if each of the nearly 1,000 contaminated sites were analyzed independently and added together, the number of calculations required is greatly reduced.

B1.2 Remediation Risk Estimation

Risks during remediation were estimated as the potential consequences of three types of accidents:

- Accidents during excavation of the Columbia River shoreline
- Accidents during the pumping and treating of contaminated groundwater
- Accidents during excavation of waste sites.

In addition, one accident was considered under the No-Action Alternative. This accident consists of a range fire that burns a 2.6-km^2 (1-mi^2) area of the Hanford Site. This accident was selected because of its likelihood of occurrence (approximately once every 10 years) and its lack of dependence on the alternative selected. Accidents resulting from natural occurrences such as earthquakes, floods, and tornadoes were not considered because the scenario is incredible or because the accident itself would do greater damage than the subsequent release of materials. Such accidents would be considered in safety documentation related to the operation of the Hanford Site.

Source terms used for these accidents were the highest concentrations of all radioactive constituents identified in the region. Doses are expressed in committed effective dose equivalent (CEDE) for the onsite maximally exposed individual worker and for an individual member of the public at the point of nearest public access. Offsite doses are expressed in CEDE for the maximally exposed offsite individual at the point on the site boundary having the highest airborne concentrations of radionuclides. Population doses are expressed in collective CEDE for the maximally exposed offsite population out to 80 km (50 mi) from the center of the Hanford Site. Consequences of these accidents are expressed as increased probability of developing a fatal cancer as a result of the dose received, in the case of an exposed individual, and as increased latent cancer fatalities (LCF) in the case of an exposed population. Dose-to-risk conversion factors have been developed by the International Commission on Radiological Protection (ICRP 1991). The ICRP has determined that the nominal cancer fatality dose-to-risk conversion factor for low dose, low dose-rate irradiation is 0.0004 LCFs per person-rem effective dose equivalent (EDE) for a worker population. This equated to a probability of 4 in 10 million for developing a fatal cancer after receiving a dose of 1 mrem. The dose-to-risk conversion factor for a population of all ages is 0.0005 LCFs per person-rem EDE (ICRP 1991). The estimated health effects are calculated by multiplying the calculated radiological dose by the appropriate ICRP coefficient. The difference is attributable to the presence of sensitive subpopulations, such as children, in the general population (DOE 1993a).

Assumptions for the specific accident scenarios and for calculating impacts are discussed in detail in Appendix B5.

B1.2.1 Accident Scenario for Excavation of River Shoreline

During excavation of the riverbank to remove contaminated soil, some of the contaminated soil is inadvertently released to the river. This contamination is transported downriver to the water treatment facilities in Richland, Kennewick, and Pasco. After being treated, the water is consumed by the residents of the three cities.

B1.2.2 Accident Scenario for Pumping and Treating Groundwater

During groundwater treatment using reverse osmosis, a fire occurs and results in the destruction of the filtration unit and the release of chemicals and radionuclides. The contamination is aerosolized and transported to the nearby population. The nearby population is outdoors during the entire accident and is exposed to the airborne contaminants.

B1.2.3 Accident Scenario for Excavation of Hazardous Waste Sites

During the excavation of a waste site, some unexpected reactive material is encountered and inadvertently detonated. The resulting explosion disperses a quantity of hazardous and radioactive material to the environment.

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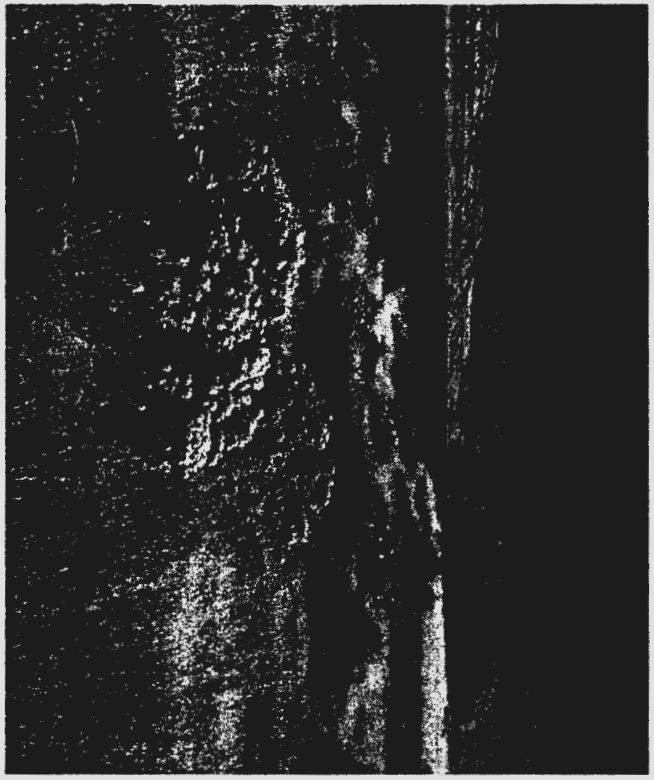

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Appendix B2

B2.0 Source Terms

The signing of the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) (Ecology et al. 1989) in December 1989, commenced remedial activities on the Hanford Site. The times selected for assessment of risks were based in part on schedules in the Tri-Party Agreement. The baseline time ($t=0$ or T_0) represents the initial contaminant inventory present at the start of remediation. Available records indicate the inventory of contaminants at the time of disposal. These values differ because of radioactive decay and biological degradation, as well as dispersion of the contaminants through the environment.

Contaminated media at the Hanford Site include soil, groundwater, surface water, and air. The introduction of contaminants from cribs, trenches, retention basins, solid waste burial grounds, and spills and leaks from storage tanks and pipes resulted in soil contamination. The majority of the waste is in a solid form and is relatively stable, resulting in a low potential for air contamination from suspended hazardous and radioactive materials and volatilized gases. Groundwater contamination resulted from liquid waste discharged into the aquifer and soil column at various waste sites and from migration of contaminants from soil into the aquifer.

The soil source terms for the *Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan* (HRA-EIS) were derived from several Hanford databases and documents. The *Waste Information Data System (WIDS)* (WHC 1991a), which is the official Hanford waste site database, was used as the primary data source. This information was cross checked against additional sources and, when necessary, supplemented with external sources, such as limited field investigations (DOE-RL 1993b), the source term developed for the Environmental Restoration Disposal Facility (ERDF) (DOE-RL and USACE 1994), and other sources where applicable.

Groundwater source-term data were obtained from published documents concerning groundwater monitoring activities at Hanford. The data are presented in Table B2-1. Groundwater is discussed further in Appendix B3.

B2.1 Sites in Scope

All facilities and part-practice waste units, TSD facilities, and surplus facilities within the scope of the HRA-EIS are listed in Appendix A.

B2.2 Sources of Data for Contaminated Soil

The sources of data for the HRA-EIS were a combination of two electronic databases and various technical documents. These databases provided the primary source-term data for the HRA-EIS, with supplemental information being supplied from various technical documents.

B2.2.1 Databases

The two databases used for the risk assessment in the HRA-EIS were: WIDS (WHC 1991a) and the *Solid Waste Information Tracking System* (SWITS) (WHC 1991b). The applicability and uses of each of these are discussed in the following sections.

B2.2.1.1 Waste Information Data System. The *Waste Information Data System* was the primary source-term database for the HRA-EIS. This database addresses approximately 1,660 individual waste sites at Hanford. Although WIDS contains all of these sites, specific contaminant inventories are limited to approximately 350 sites. Of the sites in scope, 298 have contaminant information in WIDS. One reason for the lack of information is that not all sites listed in WIDS were specifically designed for contaminant discharges or burials. A large number of the sites were temporary hazardous waste storage/staging areas, reactor cooling water structures located on the "cold" or uncontaminated side of the reactor buildings, and other associated noncontaminated sites such as septic tanks. Specific sites within WIDS are addressed using an alphanumeric code that designates the specific location or area, the contaminant type present (solid or liquid) at the site, and the sequential listing number for the site (WHC 1991a). WIDS relies on past waste disposal records and estimation of waste disposal based on knowledge of the process history of each site. The database does not contain any recent monitoring information.

Several fields located within the master file of WIDS provided information that was not specific enough to be used in risk assessment or transport modeling. When necessary, assumptions were made to translate this information into a usable form. Table B2-2 presents these assumption(s) (WHC 1991a).

B2.2.1.2 Solid Waste Information Tracking System. The *Solid Waste Information Tracking System* (WHC 1991b) is a database containing solid waste burial ground inventories at Hanford. This database provides chemical and radiological inventories, waste volumes, and operation dates for all solid waste burial grounds. Discrepancies between SWITS and WIDS were found for solid waste burial ground inventories for the 100 Areas. An example of this problem is the data for site 118-B-3. The radiological inventory in WIDS lists 1 Ci of cobalt-60 while SWITS lists 1,220 Ci of cobalt-60. This problem was reconciled by comparing inventories for all solid waste burial grounds between the two databases. If no site information existed in WIDS, the SWITS value was accepted. If a discrepancy existed between the databases, the larger or more conservative inventory was always used.

More comprehensive data was available for solid waste burial grounds in the 200 Areas, where the majority of solid waste exists. Following a thorough review of the data for these solid waste burial grounds, it was determined that WIDS and SWITS both accurately identified the waste present. Therefore, WIDS was used for the 200 Areas, as well as for the 300 Area and 600 Area sites.

B2.2.2 Supplemental Documents

Published U.S. Department of Energy (DOE) documents provided additional information on sites with little or no data. In the 100 Areas, sources included *Radiological Characterization of the Retired 100 Areas* (Dorien 1978), the *Remedial Investigation and Feasibility Study Work Plan for the 100-BC-2 Operable Unit, Hanford Site, Richland, Washington* (DOE-RL 1993c), and the *Source Inventory Development Engineering Study for the Environmental Restoration Disposal Facility* (DOE-RL and USACE 1994). Data for the 200 Areas were from WIDS. WIDS data were cross-checked with published documents and determined to be the best available data. The *Source Inventory Development Engineering Study for the Environmental Restoration Disposal Facility* by the U.S. Army Corps of Engineers (Corps) supplied missing data or was used to supplement WIDS data. The WIDS and the Corps also constituted the primary data source for all the other areas (DOE-RL and USACE 1994).

B2.2.2.1 Radiological Characterization of the Retired 100 Area Waste Sites. The *Radiological Characterization of the Retired 100 Areas* waste sites was determined to be a reliable supplemental source of data for the 100 Areas. This study, performed in 1976, characterized radionuclide concentrations and inventories for solid and liquid waste disposal facilities, leakage areas, reactors, and associated facilities. For the purposes of this study, waste sites were broken down into the following classes: retention basin systems, miscellaneous cribs and trenches, solid waste burial grounds, reactors, fuel storage basins, and contaminated ancillary facilities. Supplemental data from this study were applied to approximately 30 sites in the 100 Areas (Dorien 1978).

B2.2.2.2 Remedial Investigation and Feasibility Study Work Plans. The *Remedial Investigation and Feasibility Study Work Plan for the 100-BC-2 Operable Unit, Hanford Site, Richland, Washington* (DOE-RL 1993c) was developed as a requirement of the Tri-Party Agreement (Ecology et al. 1989). This report focuses on reaching early decisions to initiate cleanup projects and maximizing the use of existing data, coupled with short timeframe investigations where necessary. Work plans are broken down by individual operable units. The work plans that supplement data for the HRA-EIS deal specifically with the 100 Areas. Each operable unit work plan incorporates a site-by-site breakdown of an area. Supplemental information from work plans was used for approximately 20 sites within the 100 Areas. Because N Reactor was the last reactor shut down, the adjacent 100-N Area sites had few characterization studies performed. General sources of data for the 100-N Area, as indicated in the appropriate work plans, were derived from field logbooks, verified sample analyses, historical data, chain of custody forms, quality assurance/quality control data, reports, meeting minutes, telephone conversations, archived samples, raw sample data, videotapes, magnetic media and supporting documentation, paper tapes, personnel training records, exposure records, health and safety records, and compliance and regulatory data (DOE-RL and USACE 1994; DOE-RL 1993c).

B2.2.2.3 Source Inventory Development Engineering Study for the Environmental Restoration Disposal Facility. This study was prepared by the DOE and the Corps to provide necessary information for the design of the proposed ERDF. The Corps analyzed waste sites in the 100 and 300 Areas to estimate the types and quantities of waste to be disposed at the proposed ERDF. Supplemental data used from this document include but are not limited to contaminated waste volumes, excavation dimensions, and noncontaminated soil (overburden) volumes.

B2.2.2.4 Limited Field Investigation Reports. The *Limited Field Investigation Report for the 100-HR-1 Operable Unit* (DOE-RL 1993b) is intended to identify those sites within the 100-HR-1 Operable Unit that pose an unacceptable risk that warrants action. These sites are recommended as candidates for Interim Response Measures.

Three limited field investigation (LFI) reports for soils have been produced to date. These are for Operable Units 100-BC-1, 100-HR-1, and 100-DR-3. These three LFIs were obtained and researched to supplement data for the HRA-EIS. The data were used as a quality assurance cross reference for the HRA-EIS. In some instances, where conflicting data existed, the LFIs assisted in determining which data to use.

B2.3 Source of Data for Surface Water

The primary source of data addressing surface water sites was the programmatic environmental impact statement source-term description (Short and Smith 1994) produced by Pacific Northwest Laboratory. This source-term compilation addressed the six known surface water sites at Hanford. The six sites are West Lake, B Pond, 400 Area Process Lagoon, N Springs, the Columbia River, and the 400 Area Percolation Ponds. Table B2-3 presents a summary of these sites and their characteristics.

B2.4 Source of Data for Groundwater

Groundwater data were obtained from available documents and from personal communications to a very limited degree. The primary documents used are referenced in Table B2-4. Other documents used are listed as a footnote to Table B2-4.

B2.5 Cell Designation

A regional geographic information system (GIS) cartesian grid was established over a 160- by 160-km (96- by 96-mi) area, with the Hanford Site at the center (Figure B2-1). The cells were defined by overlaying the state coordinate grid over the Hanford Site and surrounding area. The Hanford Site was further subdivided into a smaller grid of 1-km (0.6 mi) square cells (Figure B2-2).

The cells are labeled by the intersecting lines in the lower left corner of the cell. The cell identification numbers start with the first three numbers of the east/west coordinates followed by the first three numbers of the north/south coordinates of the cell. For example, cell number 565144 represents east/west coordinates of 565000 meters and north/south coordinates of 144000 meters from the origin. Using a state plane coordinate overlay on the GIS maps, a total of 160 cells that contain waste sites have been identified on the Hanford Site. By using the cell system, 892 sites in scope are scaled down to 160 sites. Each cell contains one aggregated site that represents all the sites within that cell. Figure B2-3 is an example of a 1-km (0.6-mi) square cell.

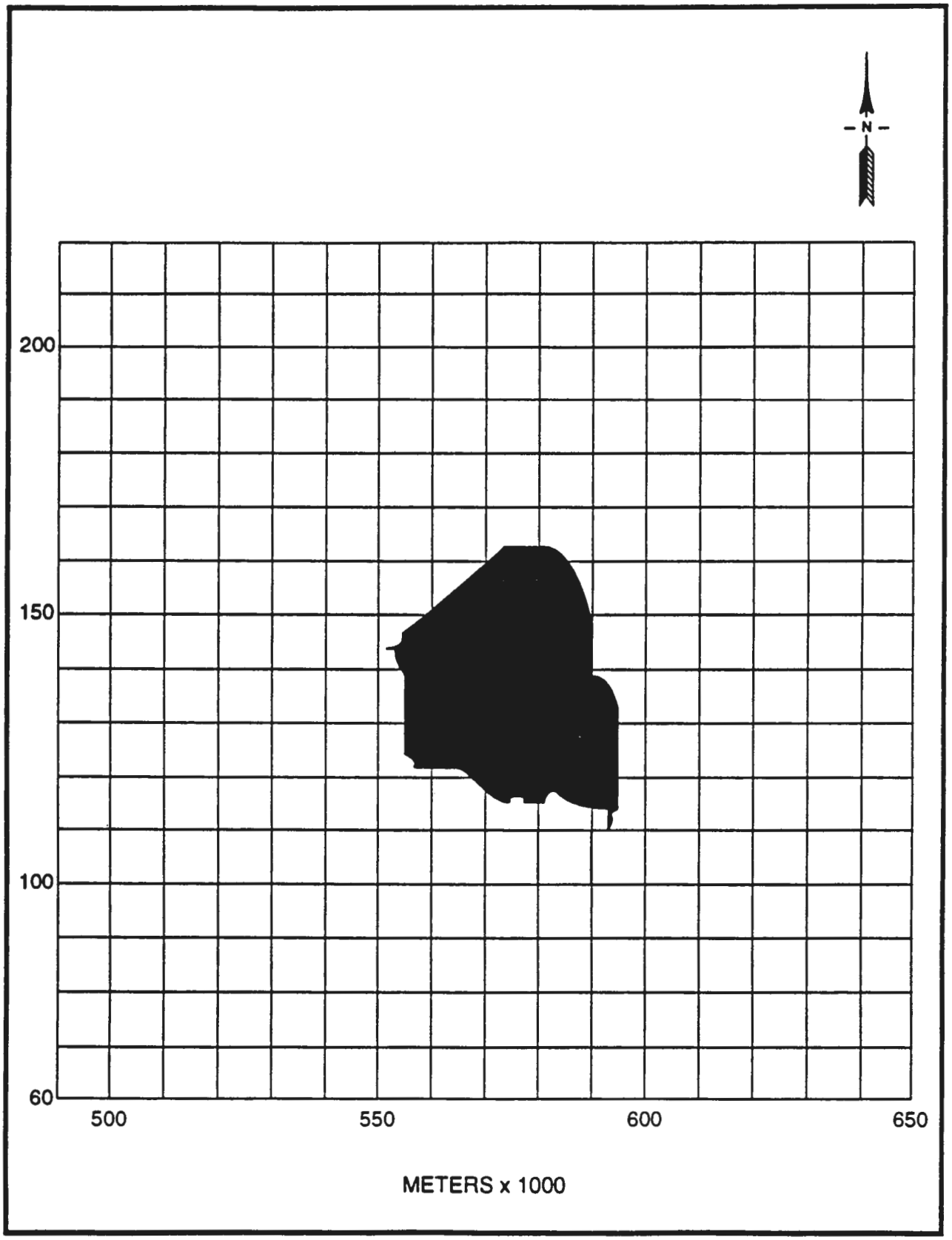
B2.6 Data Aggregation

Because 892 waste sites and facilities have been identified within the scope of the HRA-EIS, analyzing each site individually to determine the regional impacts would not be productive. From a regional perspective, multiple waste sites at the same geographical location have an appearance similar to that of a large, single, waste site. For example, a source with an areal distribution begins to appear as a point source as the viewer retreats from the source. As such, the impacts associated with the real distribution should approach the predicted impacts that would occur from a point source as the distance from the source increases. This phenomenon is known as being spatially far-field. Using this concept, the waste sites in any 1-km (0.6-mi) square cell can be combined and represented as an aggregated waste site. Similar waste types are combined (e.g., contaminated soils with contaminated soils and liquid ponds with liquid ponds). Figure B1-1 shows the cells that contain the aggregated waste sites.

Table B2-5 presents the characteristics of waste sites. The table provides a description of sites by site type, dimensions, contaminated volume, depth, overburden data, volume stored at the site, decay date, and dates of operation.

Table B2-6 presents chemical inventories for the waste sites within the scope of this document. This table presents the inventory for each waste site by site code, cell identification number (ID), and chemical present. Table B2-7 presents radionuclide inventories in a similar manner. Table B2-8 is an aggregated summary of surface sites with contaminated media located within 0.3 m (1 ft) of the surface. Subsurface sites with contaminated media located greater than 0.3 m (1 ft) below the surface are presented in Table B2-9.

Figure B2-1. Ten-Kilometer Grid with the Hanford Site at the Center.



9613459.2246

Figure B2-2. One-Kilometer Grid of the Hanford Site.

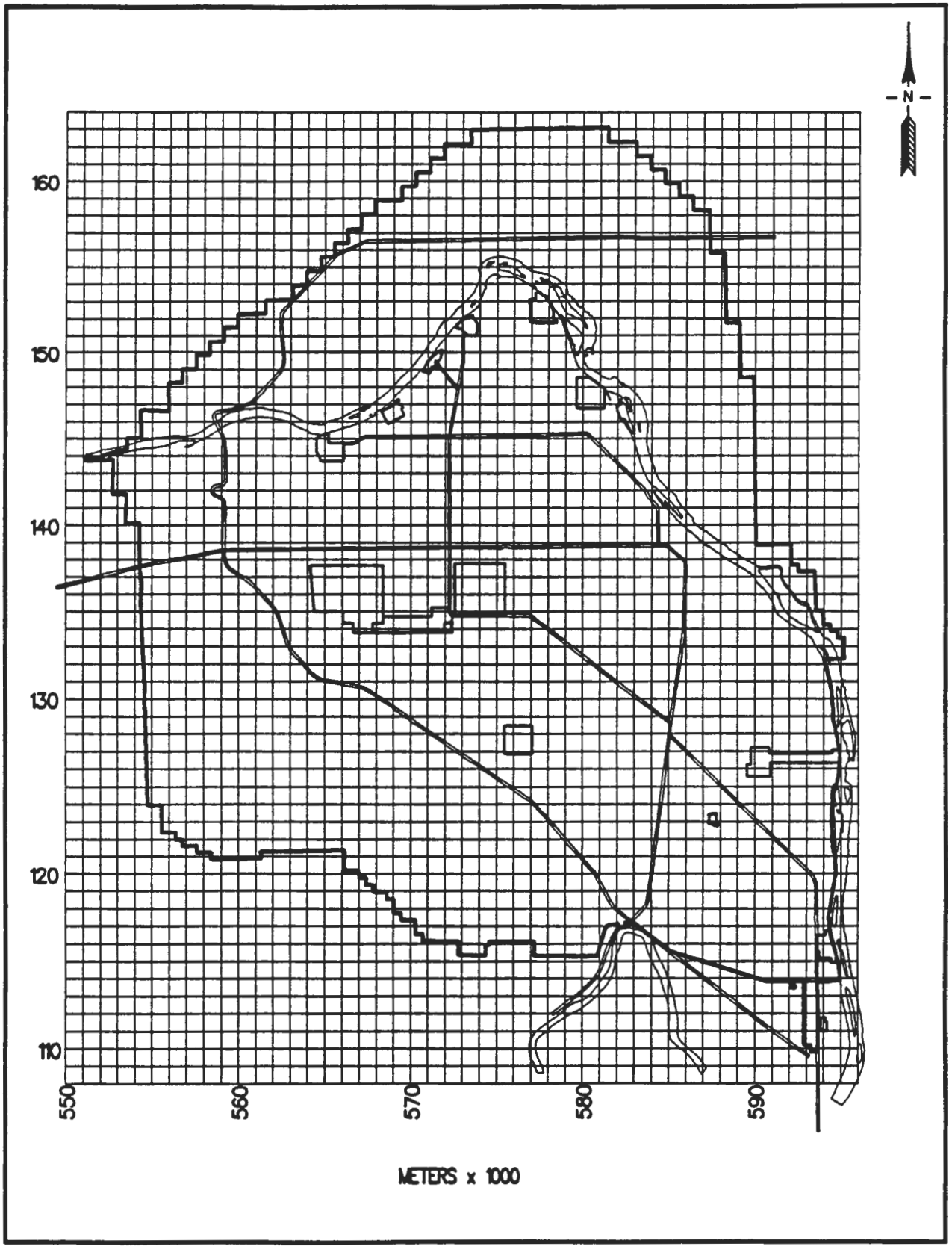


Figure B2-3. One-Kilometer by One-Kilometer Cell with Cell Identification Number.

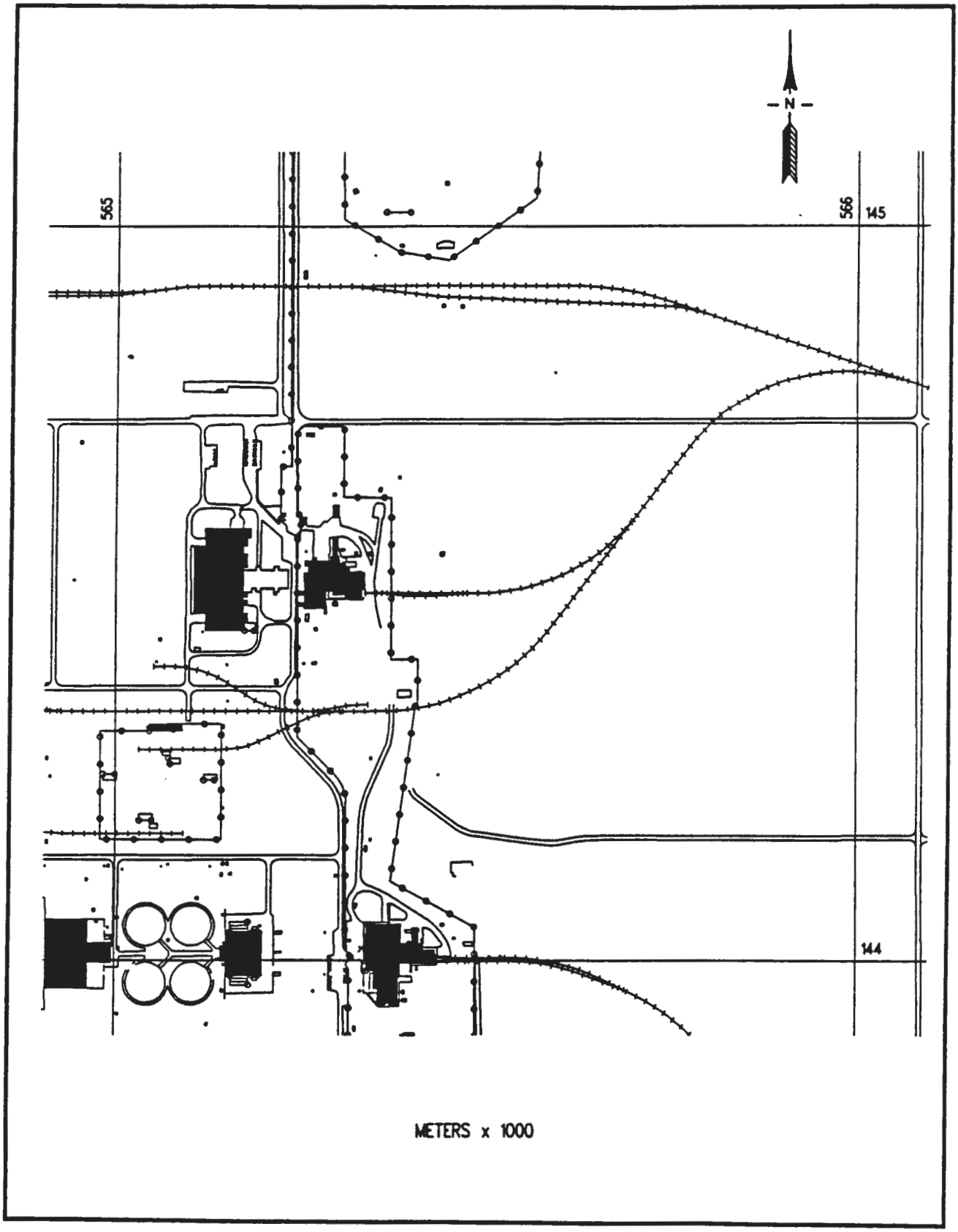


Table B2-1. Groundwater Summary Table. (16 sheets)

Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
560141															2.00 E-05				
560142															4.50 E-05				
560144			1.00 E-12																
560145			1.00 E-12																
560146			1.00 E-12																
561141															2.00 E-05				
561144			1.00 E-12																
561145			1.00 E-12																
561146			1.00 E-12																
562141															2.00 E-05				
562144			1.00 E-12																
562145			1.00 E-12																
562146			1.00 E-12																
563143			1.00 E-12																
563144			1.00 E-12																
563145			1.00 E-12																
563146			1.00 E-12																
564134										1.00 E-08									
564135										1.00 E-08									
564136										1.00 E-08									
564143			1.00 E-12				5.00 E-14												
564144			1.00 E-12				5.00 E-14												
564145			1.00 E-12																
565134									2.00 E-08	1.00 E-07									
565135			1.00 E-12						2.00 E-08	5.00 E-07	1.00 E-08				4.50 E-05				
565136			1.00 E-12						2.00 E-08	1.00 E-07			2.00 E-07		4.50 E-05				
565137										1.00 E-08			5.00 E-08		4.50 E-05				
565143			1.00 E-12				5.00 E-14												
565144			1.00 E-12			8.00 E-15	5.00 E-14								2.00 E-05				
565145			1.00 E-12			5.00 E-14									2.00 E-05				
566133			2.00 E-11				5.00 E-12		6.00 E-09				3.00 E-07						
566134			1.50 E-09				5.00 E-12		2.00 E-08	1.00 E-07	1.00 E-08		3.00 E-07		1.00 E-04				
566135			2.00 E-11		1.00 E-15		2.50 E-12		2.00 E-08	4.00 E-06	3.00 E-08		5.00 E-08	4.00 E-06	2.50 E-04	5.00 E-09			
566136			2.00 E-11				5.00 E-14		2.00 E-08	2.00 E-06	3.00 E-08		2.00 E-07	4.00 E-06	2.50 E-04	2.50 E-08			
566137			1.00 E-12				5.00 E-14			1.00 E-06	1.00 E-08		5.00 E-08		5.00 E-04	5.00 E-09			
566142							5.00 E-14												
566143			1.00 E-12				5.00 E-14												
566144			1.00 E-12				5.00 E-14								2.00 E-05				
566145			1.00 E-12			5.00 E-14	5.00 E-14												

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	566146						8.00 E-15													
2	567132			2.00 E-11																
3	567133			2.50 E-09	1.00 E-14			5.00 E-12		6.00 E-09				3.00 E-07		4.50 E-05	2.50 E-08			
4	567134			2.50 E-09	2.00 E-14			2.00 E-11	2.00 E-12	1.00 E-08	1.00 E-07			2.00 E-07	4.00 E-06	5.00 E-04	1.00 E-08			
5	567135			3.00 E-12	5.00 E-15			2.00 E-11	2.00 E-12		2.00 E-06	3.00 E-08				5.00 E-04	5.00 E-09			
6	567136			2.00 E-11	1.00 E-15			9.00 E-13	1.00 E-13		1.00 E-06	2.00 E-08				5.00 E-04	5.00 E-09			
7	567137			2.00 E-10	1.00 E-15			5.00 E-14	1.00 E-13		1.00 E-06	1.00 E-08		5.00 E-08	2.00 E-06	5.00 E-04				
8	567138										1.00 E-08					1.00 E-04				
9	567142							5.00 E-14												
10	567143			1.00 E-12				5.00 E-14												
11	567144			1.00 E-12				5.00 E-14												
12	567145			1.00 E-12				5.00 E-14												
13	567146			1.00 E-12																
14	568132			2.00 E-11	1.00 E-15															
15	568133			1.50 E-09	2.00 E-14															
16	568134			2.50 E-09	2.00 E-14			1.00 E-11	1.00 E-13		1.00 E-08					2.50 E-04				
17	568135			3.00 E-12	1.00 E-15			1.00 E-11	1.00 E-13		1.00 E-07					5.00 E-04				
18	568136			2.00 E-11				5.00 E-14			1.00 E-08					5.00 E-04				
19	568137			2.00 E-11				5.00 E-14			5.00 E-08					2.50 E-04				
20	568138										1.00 E-08					4.50 E-05				
21	568142			2.00 E-11				5.00 E-14												
22	568143			2.00 E-11				5.00 E-14												
23	568144			1.00 E-12				5.00 E-14												
24	568145			1.00 E-12																
25	568146			1.00 E-12			8.00 E-15									1.00 E-04				
26	568147			1.00 E-12												4.50 E-05				
27	569132			2.00 E-11	1.00 E-15															
28	569133			2.00 E-10	2.00 E-14															
29	569134			2.00 E-10	2.00 E-14			9.00 E-13			1.00 E-08					1.00 E-04				
30	569135			2.00 E-10	1.00 E-15			5.00 E-14			1.00 E-08					1.00 E-04				
31	569136			2.00 E-11				5.00 E-14								1.00 E-04				
32	569137															4.50 E-05				
33	569142			2.00 E-11				5.00 E-14												
34	569143			2.00 E-11				5.00 E-14								2.00 E-05				
35	569144			1.00 E-12				5.00 E-14								2.00 E-05				
36	569145			1.00 E-12																
37	569146			2.00 E-10												2.00 E-05				
38	569147			2.00 E-10			8.00 E-15							1.00 E-07		2.00 E-05				
39	569148						8.00 E-15							1.00 E-07						

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	570132			2.00 E-11	1.00 E-15															
2	570133			2.00 E-10	1.00 E-15															
3	570134			2.00 E-10	1.00 E-15			5.00 E-14								1.00 E-04				
4	570135			2.00 E-10	1.00 E-15			5.00 E-14								1.00 E-04				
5	570136			2.00 E-11				5.00 E-14								4.50 E-05				
6	570137															4.50 E-05				
7	570139			1.00 E-12				5.00 E-14												
8	570140			2.00 E-11				5.00 E-14												
9	570141			2.00 E-11				5.00 E-14								2.00 E-05				
10	570142			2.00 E-11				5.00 E-14								2.00 E-05				
11	570143			2.00 E-11				5.00 E-14								2.00 E-05				
12	570144			1.00 E-12				5.00 E-14								2.00 E-05				
13	570145			1.00 E-12																
14	570146			1.00 E-12										5.00 E-08						
15	570147			1.00 E-12										1.00 E-07		2.00 E-05				
16	570148			1.00 E-12										1.00 E-07						
17	570149			1.00 E-12												4.50 E-05				
18	571132			1.00 E-12																
19	571133			2.00 E-11																
20	571134			2.00 E-11																
21	571135			2.00 E-11												4.50 E-05				
22	571136			2.00 E-11												4.50 E-05				
23	571137			2.00 E-11												4.50 E-05				
24	571139			1.00 E-12				9.00 E-13								4.50 E-05				
25	571140			1.00 E-12				9.00 E-13								4.50 E-05				
26	571141			2.00 E-11				5.00 E-14								2.00 E-05				
27	571142			2.00 E-11				5.00 E-14								2.00 E-05				
28	571143			1.00 E-12				5.00 E-14								2.00 E-05				
29	571144			1.00 E-12				5.00 E-14								2.00 E-05				
30	571145			1.00 E-12																
31	571146			1.00 E-12																
32	571147			1.00 E-12																
33	571148			1.00 E-12																
34	571149			2.00 E-11			1.00 E-12									4.50 E-05				
35	571150			2.00 E-11			5.00 E-14													
36	572133			1.00 E-12																
37	572134			1.00 E-12																
38	572135			2.00 E-11																
39	572136			2.00 E-11												4.50 E-05				

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	572137			2.00 E-10				9.00 E-13		6.00 E-09						4.50 E-05				
2	572138			1.00 E-12	1.00 E-15			9.00 E-13		6.00 E-09						4.50 E-05				
3	572139			1.00 E-12				9.00 E-13								4.50 E-05				
4	572140			1.00 E-12				9.00 E-13								1.00 E-04				
5	572141			1.00 E-12																
6	572142			1.00 E-12				5.00 E-14								2.00 E-05				
7	572143			1.00 E-12				5.00 E-14								2.00 E-05				
8	572144			1.00 E-12												2.00 E-05				
9	572145			1.00 E-12																
10	572146			1.00 E-12																
11	572147			1.00 E-12																
12	572148			1.00 E-12																
13	572149			2.00 E-11			5.00 E-14									2.00 E-05				
14	572150			2.00 E-11										1.00 E-07		2.00 E-05				
15	572151			1.00 E-12										1.00 E-07		4.50 E-05				
16	572152													1.00 E-07						
17	573134			1.00 E-12																
18	573135			2.00 E-10	1.00 E-15					1.00 E-08		1.00 E-08								
19	573136		1.20 E-13	2.00 E-10	1.00 E-15	3.00 E-14	2.50 E-12	5.00 E-14		6.00 E-09						1.00 E-04				
20	573137			2.00 E-10	1.00 E-14			2.50 E-12		1.00 E-08						4.50 E-05				
21	573138	1.00 E-13		1.00 E-12				2.00 E-11		6.00 E-09			5.00 E-07			2.50 E-04				
22	573139	1.00 E-13		1.00 E-12				2.50 E-12		6.00 E-09						1.00 E-04				
23	573140			1.00 E-12				5.00 E-14												
24	573141			1.00 E-12																
25	573142			1.00 E-12				5.00 E-14												
26	573143			1.00 E-12				5.00 E-14												
27	573144			1.00 E-12																
28	573145			1.00 E-12																
29	573146			1.00 E-12																
30	573147			1.00 E-12																
31	573148			1.00 E-12																
32	573149			2.00 E-11												2.00 E-05				
33	573150			2.00 E-11												4.50 E-05				
34	573151			2.00 E-11			8.00 E-15							1.00 E-06		4.50 E-05				
35	573152			1.00 E-12										1.00 E-06		1.00 E-04				
36	574132			1.00 E-12																
37	574133			1.00 E-12																
38	574134			2.00 E-10	1.00 E-15		8.00 E-15	5.00 E-14		6.00 E-09						2.00 E-05				
39	574135			2.50 E-09	2.00 E-14		8.00 E-15	5.00 E-14		6.00 E-09						1.00 E-04				

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	574136			2.50 E-09	5.00 E-15			5.00 E-14		1.00 E-08						4.50 E-05				
2	574137			2.00 E-11	1.00 E-15			5.00 E-14		1.00 E-08										
3	574138	1.00 E-13		1.00 E-12			8.00 E-15	5.00 E-12					2.00 E-07			1.00 E-04				
4	574139			1.00 E-12			8.00 E-15	5.00 E-14								5.10 E-08				
5	574140			1.00 E-12			8.00 E-15									4.60 E-08				
6	574141			1.00 E-12																
7	574142			1.00 E-12																
8	574143			1.00 E-12																
9	574144			1.00 E-12																
10	574145			1.00 E-12																
11	574146			1.00 E-12																
12	574147			1.00 E-12																
13	574148			1.00 E-12																
14	574149			2.00 E-11												2.00 E-05				
15	574150			2.00 E-11												2.00 E-05				
16	574151			2.00 E-11										1.00 E-07		4.50 E-05				
17	574152			1.00 E-12										1.00 E-07		1.00 E-04				
18	574153			1.00 E-12										1.00 E-07		2.00 E-05				
19	574154			1.00 E-12																
20	575131			1.00 E-12																
21	575132			2.00 E-11																
22	575133			2.00 E-11																
23	575134			2.00 E-10	1.00 E-15		8.00 E-15	5.00 E-14		6.00 E-09						2.00 E-05				
24	575135			2.50 E-09	2.00 E-14		8.00 E-15	5.00 E-14		1.00 E-08				2.00 E-07		2.50 E-04				
25	575136			2.00 E-11	5.00 E-15		8.00 E-15	5.00 E-14		1.00 E-08				2.00 E-07		1.00 E-04				
26	575137			2.00 E-11	1.00 E-15		8.00 E-15			6.00 E-09										
27	575139			1.00 E-12			8.00 E-15									1.00 E-04				
28	575140			1.00 E-12			8.00 E-15									4.50 E-05				
29	575141			1.00 E-12																
30	575142			1.00 E-12																
31	575143			1.00 E-12																
32	575144			1.00 E-12																
33	575145			1.00 E-12																
34	575146			1.00 E-12																
35	575147			1.00 E-12																
36	575148			1.00 E-12																
37	575149			1.00 E-12																
38	575150			1.00 E-12																
39	575152			1.00 E-12										5.00 E-08		2.00 E-05				

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	575153			1.00 E-12										5.00 E-08						
2	575154			1.00 E-12																
3	576130			1.00 E-12												2.00 E-05				
4	576131			2.00 E-11												2.00 E-05				
5	576132			2.00 E-10	1.00 E-15											2.00 E-05				
6	576133			2.00 E-10	1.00 E-15											2.00 E-05				
7	576134			2.00 E-11	1.00 E-15					6.00 E-09										
8	576135			2.00 E-11	1.00 E-15					2.00 E-08										
9	576136			2.00 E-11	1.00 E-15					1.00 E-08										
10	576137			2.00 E-11			8.00 E-15			6.00 E-09										
11	576138			1.00 E-12																
12	576139			1.00 E-12			8.00 E-15									1.00 E-04				
13	576140			1.00 E-12												4.50 E-05				
14	576142			1.00 E-12																
15	576143			1.00 E-12																
16	576144			1.00 E-12																
17	576145			1.00 E-12																
18	576146			1.00 E-12																
19	576147			1.00 E-12																
20	576148			1.00 E-12																
21	576149			1.00 E-12																
22	576150			1.00 E-12																
23	576151			1.00 E-12																
24	576152			1.00 E-12										1.00 E-07		2.00 E-05				
25	576153			1.00 E-12										1.00 E-07		2.00 E-05				
26	576154			1.00 E-12										1.00 E-07						
27	577128			1.00 E-12																
28	577129			1.00 E-12																
29	577130			2.00 E-11												2.00 E-05				
30	577131			2.00 E-11												2.00 E-05				
31	577132			2.00 E-10	1.00 E-15											2.00 E-05				
32	577133			2.00 E-10	5.00 E-15											2.00 E-05				
33	577134			2.00 E-11	1.00 E-15															
34	577135			2.00 E-11						6.00 E-09										
35	577136			2.00 E-11						1.00 E-08										
36	577137			2.00 E-11						6.00 E-09										
37	577138			1.00 E-12																
38	577139			1.00 E-12																
39	577140			1.00 E-12																

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	577142			1.00 E-12																
2	577143			1.00 E-12																
3	577144			1.00 E-12																
4	577145			1.00 E-12																
5	577146			1.00 E-12												2.00 E-05				
6	577147			1.00 E-12												2.00 E-05				
7	577148			1.00 E-12												2.00 E-05				
8	577149			1.00 E-12																
9	577150			1.00 E-12																
10	577151			1.00 E-12																
11	577152			2.00 E-11			8.00 E-15		2.00 E-17					1.00 E-07		2.00 E-05				
12	577153			1.00 E-12					4.00 E-17							2.00 E-05				
13	578125															2.00 E-05				
14	578127			1.00 E-12																
15	578128			1.00 E-12																
16	578129			2.00 E-11												2.00 E-05	5.00 E-09			
17	578130			2.00 E-11						6.00 E-09						2.00 E-05	5.00 E-09			
18	578131			2.00 E-10	1.00 E-15											2.00 E-05				
19	578132			2.00 E-10	1.00 E-15											2.00 E-05				
20	578133			2.00 E-10	1.00 E-15											2.00 E-05				
21	578134			2.00 E-11												2.00 E-05				
22	578135			2.00 E-11																
23	578136			2.00 E-11																
24	578137			1.00 E-12																
25	578138			1.00 E-12																
26	578139			1.00 E-12																
27	578142			1.00 E-12																
28	578143			1.00 E-12																
29	578144			1.00 E-12																
30	578145			1.00 E-12												2.00 E-05				
31	578146			1.00 E-12												4.50 E-05	3.50 E-08			
32	578147			1.00 E-12												4.50 E-05	3.50 E-08			
33	578148			1.00 E-12												4.50 E-05				
34	578149			1.00 E-12												2.00 E-05				
35	578150			1.00 E-12																
36	578151			1.00 E-12												2.00 E-05				
37	578152			1.00 E-12			8.00 E-15		4.00 E-17					1.00 E-07		4.50 E-05				
38	578153						8.00 E-15							1.00 E-07						
39	579126			1.00 E-12																

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	579127			1.00 E-12																
2	579128			2.00 E-11																
3	579129			2.00 E-11	1.00 E-15											2.00 E-05	5.00 E-09			
4	579130			2.00 E-10	1.00 E-15					6.00 E-09						2.00 E-05	2.50 E-08		5.90 E-09	3.70 E-09
5	579131			2.00 E-10	1.00 E-15					6.00 E-09						2.00 E-05				
6	579132			2.00 E-10	1.00 E-15											2.00 E-05				
7	579133			2.00 E-11	1.00 E-15											2.00 E-05				
8	579134			2.00 E-11												2.00 E-05				
9	579135			1.00 E-12																
10	579136			1.00 E-12																
11	579137			1.00 E-12																
12	579138			1.00 E-12																
13	579139			1.00 E-12																
14	579142			1.00 E-12																
15	579143			1.00 E-12																
16	579144			1.00 E-12																
17	579145			1.00 E-12												4.50 E-05				
18	579146			1.00 E-12												1.00 E-04	3.50 E-08			
19	579147			1.00 E-12												1.00 E-04	3.50 E-08			
20	579148			1.00 E-12												4.50 E-05				
21	579149			1.00 E-12												2.00 E-05				
22	579150			1.00 E-12																
23	579151			1.00 E-12																
24	580125			1.00 E-12																
25	580126			1.00 E-12																
26	580127			2.00 E-11																
27	580128			2.00 E-11												2.00 E-05				
28	580129			2.00 E-11												2.00 E-05				
29	580130			2.00 E-10												2.00 E-05				
30	580131			2.00 E-10												2.00 E-05				
31	580132			2.00 E-10												2.00 E-05				
32	580133			2.00 E-11												2.00 E-05				
33	580134			2.00 E-11																
34	580135			1.00 E-12																
35	580136			2.00 E-11																
36	580137			1.00 E-12																
37	580138			1.00 E-12																
38	580139			1.00 E-12																
39	580141			1.00 E-12																

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	580142			1.00 E-12												2.00 E-05				
2	580143			1.00 E-12												2.00 E-05				
3	580144			1.00 E-12												4.50 E-05				
4	580145			1.00 E-12												1.00 E-04				
5	580146			2.00 E-11												1.00 E-04	3.50 E-08			
6	580147			2.00 E-11			5.00 E-14									1.00 E-04	3.50 E-08			
7	580148			1.00 E-12			8.00 E-15									2.00 E-05				
8	581124			1.00 E-12																
9	581125			1.00 E-12																
10	581126			2.00 E-11																
11	581127			2.00 E-11												2.00 E-05				
12	581128			2.00 E-11												2.00 E-05				
13	581129			2.00 E-11												2.00 E-05				
14	581130			2.00 E-11												2.00 E-05				
15	581131			2.00 E-11												2.00 E-05				
16	581132			2.00 E-11												2.00 E-05				
17	581133			2.00 E-11																
18	581134			2.00 E-11																
19	581135			2.00 E-11																
20	581136			1.00 E-12																
21	581137			2.00 E-11																
22	581138			1.00 E-12																
23	581139			1.00 E-12																
24	581141			1.00 E-12																
25	581142			1.00 E-12												4.50 E-05				
26	581143			1.00 E-12												4.50 E-05				
27	581144			1.00 E-12												1.00 E-04				
28	581145			1.00 E-12												1.00 E-04				
29	581146			1.00 E-12												1.00 E-04	9.00 E-09	1.50 E-07		
30	581147			1.00 E-12			5.00 E-14									4.50 E-05	1.40 E-08	1.50 E-07		
31	581148			1.00 E-12												2.00 E-05				
32	582123			1.00 E-12																
33	582124			1.00 E-12																
34	582125			2.00 E-11																
35	582126			2.00 E-11																
36	582127			2.00 E-11												2.00 E-05				
37	582128			2.00 E-11												2.00 E-05				
38	582129			2.00 E-11												2.00 E-05				
39	582130			2.00 E-11												2.00 E-05				

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	582131			2.00 E-11												2.00 E-05				
2	582132			2.00 E-11												2.00 E-05				
3	582133			2.00 E-11																
4	582134			2.00 E-11																
5	582135			2.00 E-11																
6	582136			2.00 E-11																
7	582137			2.00 E-11																
8	582138			1.00 E-12																
9	582139			1.00 E-12																
10	582140			1.00 E-12																
11	582141			1.00 E-12																
12	582142			1.00 E-12												4.50 E-05				
13	582143			1.00 E-12												1.00 E-04				
14	582144			1.00 E-12												1.00 E-04				
15	582145			1.00 E-12												1.00 E-04				
16	582146			1.00 E-12												4.50 E-05		1.50 E-07		
17	582147			1.00 E-12														1.50 E-07		
18	583122			1.00 E-12																
19	583123			1.00 E-12																
20	583124			2.00 E-11																
21	583125			2.00 E-11												2.00 E-06				
22	583126			2.00 E-11												2.00 E-05				
23	583127			2.00 E-11												2.00 E-05				
24	583128			2.00 E-11												2.00 E-05				
25	583129			2.00 E-11												2.00 E-05				
26	583130			2.00 E-11												2.00 E-05				
27	583131			2.00 E-11												2.00 E-05				
28	583132			2.00 E-11																
29	583133			2.00 E-11																
30	583134			2.00 E-11																
31	583135			2.00 E-11																
32	583136			2.00 E-11																
33	583137			2.00 E-11																
34	583138			1.00 E-12																
35	583139			1.00 E-12																
36	583140			1.00 E-12																
37	583141			1.00 E-12												2.00 E-05				
38	583142			1.00 E-12												4.50 E-05				
39	583143			1.00 E-12												1.00 E-04				

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	583144			1.00 E-12												1.00 E-04				
2	584121			1.00 E-12																
3	584122			1.00 E-12																
4	584123			2.00 E-11												2.00 E-05				
5	584124			2.00 E-11												2.00 E-05				
6	584125			2.00 E-11												2.00 E-05				
7	584126			2.00 E-11												2.00 E-05				
8	584127			2.00 E-11												2.00 E-05				
9	584128			2.00 E-11												2.00 E-05				
10	584129			2.00 E-11												2.00 E-05				
11	584130			2.00 E-11												2.00 E-05				
12	584131			2.00 E-11												2.00 E-05				
13	584132			2.00 E-11																
14	584133			2.00 E-11																
15	584134			2.00 E-11																
16	584135			2.00 E-11																
17	584136			2.00 E-11																
18	584137			2.00 E-11																
19	584138			1.00 E-12																
20	584139			1.00 E-12																
21	584140			1.00 E-12																
22	584141			1.00 E-12												4.50 E-05				
23	584142			1.00 E-12												4.50 E-05				
24	585121			1.00 E-12																
25	585122			2.00 E-11																
26	585123			2.00 E-11																
27	585124			2.00 E-11												2.00 E-05				
28	585125			2.00 E-11												2.00 E-05				
29	585126			2.00 E-11												2.00 E-05				
30	585127			2.00 E-11												2.00 E-05				
31	585128			2.00 E-11												2.00 E-05				
32	585129			2.00 E-11												2.00 E-05				
33	585130			2.00 E-11												2.00 E-05				
34	585131			2.00 E-11												2.00 E-05				
35	585132			2.00 E-11																
36	585133			2.00 E-11																
37	585134			2.00 E-10																
38	585135			2.00 E-10																
39	585136			2.00 E-10																

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	585137			2.00 E-11																
2	585138			1.00 E-12																
3	585139			1.00 E-12																
4	585141			1.00 E-12																
5	586120			1.00 E-12																
6	586121			1.00 E-12																
7	586122			2.00 E-11																
8	586123			2.00 E-11												2.00 E-05				
9	586124			2.00 E-11												2.00 E-05				
10	586125			2.00 E-11												2.00 E-05				
11	586126			2.00 E-11												2.00 E-05				
12	586127			2.00 E-11												4.50 E-05				
13	586128			2.00 E-11												4.50 E-05				
14	586129			2.00 E-11												4.50 E-05				
15	586130			2.00 E-11												4.50 E-05				
16	586131			2.00 E-11												2.00 E-05				
17	586132			2.00 E-11												2.00 E-05				
18	586133			2.00 E-10												2.00 E-05				
19	586134			2.00 E-10												2.00 E-05				
20	586135			2.00 E-10																
21	586136			2.00 E-10																
22	586137			2.00 E-11																
23	586138			1.00 E-12																
24	587120			1.00 E-12																
25	587121			1.00 E-12																
26	587122			2.00 E-11																
27	587123			2.00 E-11																
28	587124			2.00 E-11												2.00 E-05				
29	587125			2.00 E-11																
30	587126			1.00 E-12												2.00 E-05				
31	587127			1.00 E-12												4.50 E-05				
32	587128			1.00 E-12												4.50 E-05				
33	587129			2.00 E-11												4.50 E-05				
34	587130			2.00 E-11												4.50 E-05				
35	587131			2.00 E-11												2.00 E-05				
36	587132			2.00 E-11																
37	587133			2.00 E-10																
38	587134			2.00 E-10				5.00 E-14								2.00 E-05				
39	587135			2.00 E-10				5.00 E-14												

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	587136			2.00 E-10				5.00 E-14												
2	587137			2.00 E-11				5.00 E-14												
3	587138			1.00 E-12																
4	588120			1.00 E-12																
5	588121			1.00 E-12																
6	588122			2.00 E-11																
7	588123			2.00 E-11												2.00 E-05				
8	588124			2.00 E-11												2.00 E-05				
9	588125			2.00 E-11												2.00 E-05				
10	588126			1.00 E-12												2.00 E-05				
11	588127			1.00 E-12												4.50 E-05				
12	588128			1.00 E-12												4.50 E-05				
13	588129			2.00 E-11												4.50 E-05				
14	588130			2.00 E-11																
15	588131			2.00 E-11												2.00 E-05				
16	588132			2.00 E-11												2.00 E-05				
17	588133			2.00 E-10				5.00 E-14								2.00 E-05				
18	588134			2.00 E-10				5.00 E-14								2.00 E-05				
19	588135			2.00 E-10				5.00 E-14												
20	588136			2.00 E-10				5.00 E-14												
21	588137			2.00 E-10				5.00 E-14								2.00 E-05				
22	588138															2.00 E-05				
23	589120			1.00 E-12																
24	589121			2.00 E-11																
25	589122			2.00 E-11												2.00 E-05				
26	589123			2.00 E-11												2.00 E-05				
27	589124			2.00 E-11												2.00 E-05				
28	589125			2.00 E-11												2.00 E-05				
29	589126			1.00 E-12												2.00 E-05				
30	589127			1.00 E-12												2.00 E-05				
31	589128			1.00 E-12												2.00 E-05				
32	589129			1.00 E-12																
33	589130			2.00 E-11												4.50 E-05				
34	589131			2.00 E-11												4.50 E-05				
35	589132			2.00 E-11												2.00 E-05				
36	589133			2.00 E-11				5.00 E-14								2.00 E-05				
37	589134			2.00 E-10				5.00 E-14								2.00 E-05				
38	589135			2.00 E-10				5.00 E-14								2.00 E-05				
39	589136			2.00 E-10				5.00 E-14								2.00 E-05				

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	589137			2.00 E-10				5.00 E-14								2.00 E-05				
2	589138															2.00 E-05				
3	590119			1.00 E-12																
4	590120			1.00 E-12																
5	590121			2.00 E-11																
6	590122			2.00 E-11																
7	590123			2.00 E-11																
8	590124			2.00 E-11																
9	590125			2.00 E-11																
10	590126			1.00 E-12																
11	590127			1.00 E-12																
12	590128			1.00 E-12																
13	590129			1.00 E-12																
14	590130			1.00 E-12																
15	590131			2.00 E-11																
16	590132			2.00 E-11																
17	590133			2.00 E-11				5.00 E-14												
18	590134			2.00 E-11				5.00 E-14												
19	590135			2.00 E-10				5.00 E-14												
20	590136			2.00 E-10				5.00 E-14												
21	591119			1.00 E-12																
22	591120			1.00 E-12																
23	591121			2.00 E-11																
24	591122			2.00 E-11																
25	591123			2.00 E-11																
26	591124			2.00 E-11																
27	591125			2.00 E-11																
28	591126			1.00 E-12																
29	591127			1.00 E-12																
30	591128			1.00 E-12																
31	591129			1.00 E-12																
32	591130			1.00 E-12																
33	591131			2.00 E-11																
34	591132			2.00 E-11																
35	591133			2.00 E-11				5.00 E-14												
36	591134			2.00 E-11				5.00 E-14												
37	591135			2.00 E-11																
38	592118			1.00 E-12																
39	592119			1.00 E-12																

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	592120			1.00 E-12																
2	592121			2.00 E-11																
3	592122			2.00 E-11																
4	592123			2.00 E-11																
5	592124			2.00 E-11																
6	592125			1.00 E-12																
7	592126			1.00 E-12																
8	592127			1.00 E-12																
9	592128			1.00 E-12																
10	592129			1.00 E-12																
11	592130			1.00 E-12																
12	592131			2.00 E-11																
13	592132			2.00 E-11																
14	592133			2.00 E-11				5.00 E-14												
15	592134			2.00 E-11																
16	593116								2.00 E-14											
17	593117			1.00 E-12																
18	593118			1.00 E-12																
19	593119			1.00 E-12																
20	593120			1.00 E-12																
21	593121			1.00 E-12																
22	593122			1.00 E-12																
23	593123			1.00 E-12																
24	593124			1.00 E-12																
25	593125			1.00 E-12																
26	593126			1.00 E-12																
27	593127			1.00 E-12																
28	593128			1.00 E-12																
29	593129			1.00 E-12																
30	593130			1.00 E-12																
31	593131			2.00 E-11																
32	593132			2.00 E-11																
33	593133			2.00 E-11																
34	594115			1.00 E-12					2.00 E-14											
35	594116			2.00 E-12					1.00 E-13											
36	594117			2.00 E-12					2.00 E-14											
37	594118			2.00 E-12																
38	594119			2.00 E-12																
39	594120			2.00 E-12																

Table B2-1. Groundwater Summary Table. (16 sheets)

1	Cell ID	Co-60 (Ci/mL)	Cs-137 (Ci/mL)	H-3 (Ci/mL)	I-129 (Ci/mL)	Pu-238 (Ci/mL)	Sr-90 (Ci/mL)	Tc-99 (Ci/mL)	U-238 (Ci/mL)	As (g/mL)	CCl_4 (g/mL)	Chloro form	CN (g/mL)	CrVI (g/mL)	F (g/mL)	NO_3 (g/mL)	TCE (g/mL)	Dichloro ethylene	Perchloro ethylene	Dichloro ethane
1	594121			1.00 E-12																
2	594122			1.00 E-12																
3	594123			1.00 E-12																
4	594124			1.00 E-12																
5	594125			1.00 E-12																
6	594126			1.00 E-12																
7	594127			1.00 E-12																
8	594128			1.00 E-12																
9	594129			1.00 E-12																
10	594130			1.00 E-12																
11	594131			2.00 E-11																
12	594132			2.00 E-11																
13	565133													1.00 E-07						
14	565133									6.00 E-09										
15																				

Table B2-2. Assumptions Used in Reconstructing WIDS Fields.

Category	Isotope Assigned (percentage)	Justification
Pu grams	Average isotopic distribution of Hanford plutonium (Ci/g) Pu-238 1.54×10^{-3} Pu-239 5.84×10^{-2} Pu-240 1.33×10^{-2} Pu-241 1.89×10^{-1} Pu-242 1.14×10^{-6} Am-241 6.59×10^{-3} Total 2.69×10^{-1}	Typical isotopic ratio of weapons grade plutonium
U grams	The entire inventory is assumed to be natural Uranium consisting of U-238 (99.3%) and U-235 (.7%)	Prevalent in WIDS
U gross	(see U grams)	Weight is applied, activity of all Uranium isotopes are equal
Gross Alpha	Pu-239 (100%)	
Gross Beta	Sr-90 (50%) Cs-137 (50%)	Two of the most prevalent beta emitters listed in WIDS, higher energy than other beta emitters listed (conservative assumption for external dosimetry)
Gross Gamma	Not Assigned	According to WHC, gross gamma was used exclusively for calibration purposes, and was therefore eliminated from the list.

Table B2-3. Surface Water Summary Table. (6 sheets)

Site Code	Media	Alias	Length (ft)	Width (ft)	Depth of water (ft)	Depth to GW (m)	Area (m^2)	Contaminated Volume (m^3)	Decay Date	Cell Id	QA	Be-7 (Max)	Ce-134 (Max)
100-N-Springs	Water	N-Springs							1/1/92	570149	JKH		
216-B-3	Water	B Pond			1.6		1.49 E+05	2.33 E+05	1/1/91	576136	JKH	1.55 E+01	8.35 E+00
216-N-8	Water	West Lake			1.3	67	7.78 E+04	3.11 E+04	8/1/89	573141	JKH		
400-FFTF	Water	Fast flux test facility							1/1/91	587123	JKH		8.98 E-01
400-PPSS	Water	Percolation Ponds	200	50	4					587123	JKH		
Columbia River	Water	Hanford Reach		7.93 E+02					11/27/91	*	JKH	6.82 E+01	
100-N-Springs	Soil	N-Springs								570149	JKH		
216-B-3	Soil	B Pond								576136	JKH		
216-N-8	Soil	West Lake							8/1/89	573141	JKH		
400-FFTF	Soil	Fast flux test facility								587123	JKH		
400-PPSS	Soil	Percolation Ponds								587123	JKH		
Columbia River	Soil	Hanford Reach								*	JKH		

*See last sheet of Table B2-3, Surface Water Summary Table.

Table B2-3. Surface Water Summary Table. (6 sheets)

Site Code	Co-60 (Max)	Cs-134 (Max)	Cs-137 (Max)	Eu-154 (Max)	Eu-155 (Max)	H-3 (Max)	K-40 (Max)	Pu-238 (Max)	Pu-239 (Max)	Ru-106 (Max)	Sb-125 (Max)	Sr-90 (Max)	Tc-99 (Max)	U-234 (Max)
100-N-Springs	5.20 E+00					7.70 E+02						1.50 E+02		
216-B-3	4.74 E-01	7.33 E-01		1.29 E+00	2.34 E+00	4.69 E+02	7.14 E+01			8.34 E+00	1.99 E+00		3.55 E+05	
216-N-8			9.64 E-01			5.12 E+02				7.97 E+01		1.93	1.07 E+02	
400-FFTF	6.02 E-01	7.29 E-01	1.97 E+00	3.47 E+00	1.27 E+00	7.33 E+03	6.85 E+01			2.24 E+00				
400-PPSS														
Columbia River	1.25					1.61 E+02	5.88 E+01			8.43 E+00	7.29 E-01		5.24 E+01	3.10 E-01
100-N-Springs														
216-B-3			3.00 E+02						5.40 E+01			1.90 E-01		
216-N-8	9.00 E-03		1.22				2.19 E+01			1.66 E+02		1.57 E+00		
400-FFTF														
400-PPSS														
Columbia River														

Table B2-3. Surface Water Summary Table. (6 sheets)

Site Code	U-235 (Max)	U-238 (Max)	Zn-65 (Max)	Zr-95 (Max)	Be-7 (Mean)	Ce-134 (Mean)	Co-60 (Mean)	Cs-134 (Mean)	Cs-137 (Mean)	Eu-154 (Mean)	Eu-155 (Mean)	H-3 (Mean)	K-40 (Mean)	Pu-238 (Mean)
100-N-Springs					2.75 E+01		1.20 E+00			1.33 E+01		3.90 E+02	1.06 E+02	
216-B-3			1.45 E+00	1.86 E+01							6.48 E-01	1.42 E+02	3.10 E+01	
216-N-8							2.64					3.95 E+02		
400-FFTF			2.18 E+00	1.33 E+01			2.48 E-01		8.01 E-01	8.33 E-01	8.19 E-01	6.53 E+03	3.27 E+01	
400-PPSS														
Columbia River					1.45 E+01							1.32 E+02	3.25 E+01	
100-N-Springs														
216-B-3	2.05 E+01													
216-N-8		5.13					2.00 E-03		4.90 E-01				1.87 E+01	
400-FFTF														
400-PPSS														
Columbia River									1.12 E-01					1.59 E-04

Table B2-3. Surface Water Summary Table. (6 sheets)

Site Code	Pu-239 (Mean)	Ru-106 (Mean)	Sb-125 (Mean)	Sr-90 (Mean)	Tc-99 (Mean)	U-234 (Mean)	U-235 (Mean)	U-238 (Mean)	Zn-65 (Mean)	Zr-95 (Mean)	Be-7 (Min)	Ce-134 (Min)	Co-60 (Min)	Cs-134 (Min)	Cs-137 (Min)
100-N-Springs				4.90 E+01	2.44 E+00										
216-B-3		3.20 E+00								2.08 E+00					
216-N-8		1.86		1.67	5.97 E+01								1.21		7.03
400-FFTF									7.44 E-01	2.92 E+00					2.06 E-01
400-PPSS															
Columbia River		3.91 E-01			1.42 E+01	2.76 E-01									
100-N-Springs															
216-B-3															
216-N-8		2.22 E-05		4.94 E-01				1.82							2.45
400-FFTF															
400-PPSS															
Columbia River	9.53 E-04			6.54 E-03			1.91 E-01	2.30 E+00							

Table B2-3. Surface Water Summary Table. (6 sheets)

Site Code	Eu-154 (Min)	Eu-155 (Min)	H-3 (Min)	K-40 (Min)	Pu-238 (Min)	Pu-239 (Min)	Ru-106 (Min)	Sb-125 (Min)	Sr-90 (Min)	Tc-99 (Min)	U-234 (Min)	U-235 (Min)	U-238 (Min)	Zn-65 (Min)	Zr-95 (Min)
100-N-Springs															
216-B-3				1.11 E+00											
216-N-8			2.55 E+02							2.09 E+01					
400-FFTF			5.39 E+03	5.08 E+00											
400-PPSS															
Columbia River			9.79 E+01	4.95 E+00						6.22 E-01	2.24 E-01				
100-N-Springs															
216-B-3															
216-N-8				1.61 E+01					5.00 E-02				2.01 E-01		
400-FFTF															
400-PPSS															
Columbia River															

96/459/258

Table B2-3. Surface Water Summary Table. (6 sheets)

CELL_ID	SIZE
551143	1
552143	1
552144	1
553144	1
554144	1
555144	1
556144	1
557144	1
557145	1
558145	1
559145	1
559146	1
560146	1
561146	1
562146	1
562145	1
563145	1
564145	1
565145	1
566145	1
567145	1
567146	1
568147	1
569147	1
569148	1
570148	1
570149	1
571149	1
571150	1
572150	1

CELL_ID	SIZE
572151	1
572152	1
573152	1
573153	1
574153	1
574154	1
575154	1
576154	1
576153	1
577153	1
578153	1
578152	1
578151	1
578150	1
579150	1
579149	1
579148	1
580148	1
581148	1
581147	1
582147	1
581146	1
582146	1
582145	1
582144	1
583144	1
583143	1
583142	1
584142	1
584141	1

CELL_ID	SIZE
585141	1
584140	1
585140	1
585139	1
586139	1
586138	1
587138	1
588138	1
588137	1
589137	1
589136	1
590136	1
590135	1
591135	1
591134	1
592134	1
592133	1
593133	1
593132	1
594132	1
594131	1
594130	1
594129	1
594128	1
594127	1
594126	1
594125	1
594124	1
594123	1
594122	1

CELL_ID	SIZE
594121	1
594120	1
594119	1
594118	1
594117	1
594116	1
594115	1
594114	1
594113	1
595113	1
595112	1
595111	1
595110	1
595109	1
595108	1
594108	1
590100	10
600100	10
600090	10
610090	10
610080	10
620080	10
620070	10
610060	10
600060	10
590060	10
580060	10
570060	10
560060	10

Table B2-4. MEPAS Input Values for Analytical Groundwater Solute Transport Simulation. (3 sheets)

Plume	Source Cell ID	Source Dimensions		Release Starting Year	Release Duration (years)	Key Monitoring Well	Constituent Concentration at Key Monitoring Well (ug/L or pCi/L)	Primary Reference
		Length (m)	Width (m)					
REACTORS ON THE RIVER								
100-B/C Sr-90	565600	1390	730	1944	46	199-B3-1	44	DOE-RL 1993d
100-D Cr VI	573151	244	244	1947	20	199-D8-54	410	DOE-RL 1994a
100-D NO_3 A	573151	18	12	1955	1	199-D5-12	53	DOE-RL 1994a
100-D NO_3 B	573151	30	91	1951	16	199-D8-53	66	DOE-RL 1994a
100-D Sr-90	573151	46	76	1947	20	199-D5-12	45	Evans et al. 1990
100-D H-3	573151	18	12	1955	1	199-D5-12	41000	DOE-RL 1994a
100-F NO_3	580146	76	152	1945	20	199-F5-6	4330	DOE-RL 1994b
100-F Sr-90	580146	91	15	1950	15	199-F5-3	250	DOE-RL 1994b
100-F H-3	580146	76	152	1945	20	199-F5-48	17000	DOE-RL 1994b
100-H Cr VI	577152	76	46	1973	12	199-H4-4	75	DOE-RL 1994a
100-H NO_3	577152	76	46	1973	12	199-H4-4	36000	DOE-RL 1994a
100-H Sr-90	577152	76	46	1973	12	199-H4-11	24	DOE-RL 1994a
100-H H-3	577152	76	46	1973	12	199-H4-4	1800	DOE-RL 1994a
100-H U	577152	76	46	1973	12	199-H4-4	64	DOE-RL 1994a
100-K Cr VI	569145	15	1219	1955	16	199-K-20	160	WHC 1992
100-K NO_3	569145	12	12	1955	16	199-K-19	51000	WHC 1992
100-K H-3	569145	12	12	1955	16	199-K-27	172000	WHC 1992
100-N Sr-90	571148	488	15	1963	22	199-N-75	1580	DOE-RL 1994a
100-N H-3	571148	76	73	1986	4	199-N-14	80900	DOE-RL 1994a
CENTRAL PLATEAU								
200-E As	575135	213	30	1977	13	699-34-42	6	DOE-RL 1993e
200-E Cs-137	573136	0.2	0.2	1945	3	299-E28-23	1328	DOE-RL 1993e
200-E Cr VI B	573137	533	671	1954	2	699-49-57B	26	DOE-RL 1993e
200-E Cr VI C	575135	701	5273	1954	36	299-E17-15	18	DOE-RL 1993e
200-E Co-60	573137	91	61	1954	21	699-50-53A	474	DOE-RL 1993e
200-E CN A	573137	91	61	1954	11	699-50-53A	869	DOE-RL 1993e
200-E CN B	575135	701	5273	1954	36	299-E13-5	10	DOE-RL 1993e
200-E I-129	574135	396	122	1956	34	299-E17-12	5	DOE-RL 1993e
200-E NO_3 B	573137	91	61	1954	2	699-50-53A	503	DOE-RL 1993e

Table B2-4. MEPAS Input Values for Analytical Groundwater Solute Transport Simulation. (3 sheets)

1	Plume	Source Cell ID	Source Dimensions		Release Starting Year	Release Duration (years)	Key Monitoring Well	Constituent Concentration at Key Monitoring Well (ug/L or pCi/L)	Primary Reference
			Length (m)	Width (m)					
1	200-E NO_3 C	575135	2591	3353	1945	45	Unidentified	45000	DOE-RL 1993e
2	200-E Pu-239/240	573136	0.2	0.2	1945	3	299-E28-23	74	DOE-RL 1993e
3	200-E Sr-90 B	573136	0.2	0.2	1945	3	299-E28-25	5149	DOE-RL 1993e
4	200-E Tc-99	573137	91	61	1954	2	699-50-53A	21665	DOE-RL 1993e
5	200-E H-3 North	573136	533	671	1945	5	699-61-62	13731	DOE-RL 1993e
6	200-E H-3 C	575135	2591	3353	1945	45	699-24-34C	306167	DOE-RL 1993e
7	200-W CCl_4	566135	381	360	1949	24	299-15-11	4900	DOE-RL 1993f
8	200-W Chloroform	566135	381	360	1949	24	299-W15-11 31	31	DOE-RL 1993f
9	200-W Cr VI	567133	30	15	1952	38	299-W22-20	323	DOE-RL 1993f
10	200-W F	566136	840	1410	1944	38	699-45-69A	492	DOE-RL 1993f
11	200-W I-129	567133	30	15	1952	39	699-45-70	27	DOE-RL 1993f
12	200-W NO_3	567135	1158	2743	1944	47	699-40-62	42	DOE-RL 1993f
13	200-W Tc-99	567135	61	30	1951	17	200-W19-24	26602	DOE-RL 1993f
14	200-W TCE A	566136	1143	1010	1949	24	299-W10-16	24	DOE-RL 1993f
15	200-W TCE B	567135	30	15	1952	22	299-W22-20	32	DOE-RL 1993f
16	200-W H-3 A	567136	777	1006	1944	13	200-W11-9	1619	DOE-RL 1993f
17	200-W H-3 B	566134	533	610	1944	24	699-35-66	1165000	DOE-RL 1993f
18	200-W U A	567136	53	27	1944	13	299-W11-14	207	DOE-RL 1993f
19	200-W U B	567135	454	585	1951	34	299-W19-20	492	DOE-RL 1993f
20	300 1,2-Dichloroethylene	594116	259	732	1943	32	399-1-16B	79	DOE-RL 1993f
21	300 TCE	594116	259	732	1943	32	399-1-16B	12	DOE-RL 1993f
22	300 U	594116	320	732	1943	44	399-1-16A	9	DOE-RL 1993f
23	Gable Mtn Pond NO_3	575139	76	305	1986	4	699-54-49	4950	DOE-RL 1993e
24	Gable Mtn Pond Sr-90	575139	76	305	1957	31	699-53-48B	311	DOE-RL 1993e
25	ALL OTHER AREAS								
26	1,1-Dichloroethylene	579130	183	183	1985	5	6-24-34-B	3	DOE-RL 1994a
27	Landfill Perchloroethylene	579130	91	182	1985	3	699-24-34B	0.07	DOE-RL 1994a
28	Landfill TCE	579130	91	182	1985	3	699-24-34B	22	DOE-RL 1994a
29	Horn Rapids TCE	593110	762	701	1955	35	MW-12	98	WHC 1992
30	Yakima Ridge NO_3	568128	30	30	Unknown	Unknown	699-17-70	45000	WHC 1992

Table B2-4. MEPAS Input Values for Analytical Groundwater Solute Transport Simulation. (3 sheets)

Plume	Source Cell ID	Source Dimensions		Release Starting Year	Release Duration (years)	Key Monitoring Well	Constituent Concentration at Key Monitoring Well (ug/L or pCi/L)	Primary Reference
		Length (m)	Width (m)					

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Table B2-5. Characteristics of Sites in Scope. (25 sheets)

Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
100BC PIPING	Solid					4.67 E+03				1/1/76			565145
100DR PIPING	Solid												
100FR PIPING	Solid												
100HR PIPING	Solid									1/1/76			
100KR PIPING	Solid												
100NR PIPING	Solid												
116-B-1	Liquid	200.0	30.0		6.00 E+03	5.86 E+03	15.0	8.65 E+05	6.00 E+07	4/1/86	1946	1955	565145
116-B-10	Liquid			3.0		4.21 E+01	7.0	2.25 E+04	5.00 E+06		1950	1968	565144
116-B-11	Liquid	450.0	230.0		1.04 E+05	2.88 E+05	24.0	4.53 E+06		4/1/86	1944	1968	565145
116-B-12	Liquid	10.0	10.0		1.00 E+02	7.43 E+01	10.0	7.14 E+04	4.20 E+05		1961	1968	565144
116-B-13	Liquid	50.0	50.0		2.50 E+03	7.75 E+02	10.0	7.84 E+04			1952	1952	565145
116-B-14	Liquid	120.0	10.0		1.20 E+03	4.50 E+02	10.0	6.20 E+04			1948	1948	565145
116-B-15	Liquid	100.0	50.0		5.00 E+03	8.78 E+02	6.0	6.73 E+04	5.68 E+05		Nov 1, 1984	Dec 1, 1985	565144
116-B-16	Liquid	10.7	5.8		6.13 E+01	5.24 E+01	9.0					1968	565144
116-B-2	Liquid	75.0	10.0		7.50 E+02	3.68 E+03	15.0	8.34 E+05	4.00 E+06	4/1/86	1946	1946	565144
116-B-3	Liquid	10.0	10.0		1.00 E+02	7.43 E+01	11.0	5.04 E+04	4.00 E+03	4/1/86	1951	1952	565144
116-B-4	Liquid			4.0		2.59 E+01	20.0	9.06 E+04	3.00 E+05	4/1/86	1957	1968	565144
116-B-5	Liquid	84.0	16.0		1.34 E+03	7.45 E+02	10.0	9.09 E+04	1.00 E+07	4/1/86	1950	1968	565144
116-B-6A	Liquid	12.0	8.0		9.60 E+01	6.72 E+01	15.0	5.57 E+04	5.00 E+03	4/1/86	1951	1968	565144
116-B-6B	Liquid	4.0	8.0		3.20 E+01	3.51 E+01	8.0	4.45 E+04	5.00 E+03	4/1/86	1950	1953	565144
116-B-7	Liquid	27.0	14.0		3.78 E+02	3.32 E+02		1.45 E+05			1944	1968	565145
116-B-9	Liquid			4.0		2.27 E+01	3.0	7.27 E+03	4.00 E+04		1952	1954	565144
116-C-1	Liquid	500.0	50.0			6.11 E+04	25.0	1.13 E+06	1.00 E+08	4/1/86	1952	1968	565145
116-C-2A	Liquid	140.0	100.0		1.40 E+04	3.47 E+03	20.0	1.72 E+06	7.50 E+06	4/1/86	1952	1968 -1969	565144
116-C-2B	Liquid	10.0	8.0		8.00 E+01	4.80 E+01		2.15 E+05			1952	1969	565144
116-C-2C	Liquid	23.0	16.0		3.68 E+02	6.16 E+02	6.0	1.30 E+05	7.50 E+06	4/1/86	1952	1969	565144
116-C-3	Liquid					1.02 E+02		2.87 E+04					565144
116-C-5	Liquid			330.0		4.47 E+05	16.0	4.93 E+06		4/1/86	1952	1969	565145
116-C-6	Liquid				7.25 E+03	2.92 E+02	6.0	2.78 E+04	2.16 E+06	4/1/86	Dec 1, 1984	Aug 1, 1985	565144
116-D-10	Liquid					2.53 E+02		9.21 E+03	2.35 E+06		Jul 1, 1984	Sep 1, 1984	573151
116-D-1A	Liquid	130.0	10.0		1.30 E+03	1.98 E+03	6.0	1.22 E+05	2.00 E+05	4/1/86	1947	1952	573151
116-D-1B	Liquid	100.0	10.0		1.00 E+03	8.97 E+02	15.0	2.22 E+05	8.00 E+06	4/1/86	1953	1967	573151
116-D-2	Liquid	10.0	10.0		1.00 E+02	7.43 E+01	10.0	1.07 E+05	4.00 E+03		1950	1952	573151
116-D-3	Liquid			3.0		1.95 E+01	5.0	1.34 E+04	3.00 E+04	4/1/86	1951	1967	573151
116-D-4	Liquid			3.0		1.95 E+01	5.0	1.34 E+04	3.00 E+04	4/1/86	1956	1957	573151

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	116-D-5	Liquid	60.0	24.0		1.44 E+03	1.16 E+03		2.22 E+05			1944	1967	573152
2	116-D-6	Liquid			3.0		1.90 E+01	3.0	8.81 E+03	1.00 E+05	4/1/86	1961	1967	573151
3	116-D-7	Liquid	467.0	230.0		1.07 E+05	2.86 E+05	24.0	4.55 E+06			1944	1967	573152
4	116-D-9	Liquid	10.0	10.0		1.00 E+02	7.43 E+01	10.0	5.04 E+04	4.20 E+05		1960	1967	573151
5	116-DR-1	Liquid	300.0	15.0		4.50 E+03	3.95 E+03	20.0	7.14 E+05	4.00 E+07	4/1/86	1951	1967	573152
6	116-DR-10	Liquid	80.0	50.0		4.00 E+03	8.20 E+02	6.0	2.94 E+04	9.08 E+05		Oct 1, 1984	Nov 1, 1984	573151
7	116-DR-2	Liquid	150.0	10.0		1.50 E+03	2.05 E+03	20.0	4.52 E+05	4.00 E+07	4/1/86	1952	1967	574152
8	116-DR-3	Liquid	60.0	40.0		2.40 E+03	7.30 E+02	10.0	9.04 E+04	4.00 E+06	4/1/86	1955	1955	573151
9	116-DR-4	Liquid	10.0	10.0		1.00 E+02	8.85 E+01	15.0	8.74 E+04	4.00 E+03	4/1/86	1952	1953	573151
10	116-DR-5	Liquid	27.0	14.0		3.78 E+02	3.32 E+02		1.58 E+05			1950	1965	573152
11	116-DR-6	Liquid	50.0	10.0		5.00 E+02	3.27 E+02	10.0		7.00 E+06	4/1/86	1953	1965	573151
12	116-DR-7	Liquid	5.0	5.0		2.50 E+01	3.19 E+01	10.0	4.30 E+04	4.00 E+03	4/1/86	1953	1953	573151
13	116-DR-8	Liquid	10.0	10.0		1.00 E+02	7.43 E+01	10.0	1.19 E+03	2.40 E+05	4/1/86	1960	1964	573151
14	116-DR-9	Liquid	600.0	273.0		1.64 E+05	3.68 E+05		5.37 E+06		4/1/86	1950	1965	573152
15	116-F-1	Liquid	3000.0	40.0		1.20 E+05	2.73 E+04	10.0	1.06 E+06	1.00 E+08	4/1/86	1953	1965	580147
16	116-F-10	Liquid			3.0		2.34 E+01	20.0	9.68 E+04	4.00 E+05	4/1/86	1948	1965	580147
17	116-F-11	Liquid			3.0		1.90 E+01	3.0	8.81 E+03	2.00 E+05	4/1/86	1953	1965	580147
18	116-F-12	Liquid			3.0		1.98 E+01	6.0	1.61 E+04	1.00 E+04	4/1/86	1944	1964	580147
19	116-F-13	Liquid			3.0		1.90 E+01	3.0	5.81 E+03	1.00 E+04	4/1/86	1952	1976	580148
20	116-F-14	Liquid	450.0	230.0		1.04 E+05	2.76 E+05	24.0	4.05 E+06		4/1/86	1945	1965	581147
21	116-F-15	Liquid					7.43 E+01		5.04 E+04		4/1/86			580147
22	116-F-16	Liquid					2.91 E+02		1.59 E+05		4/1/86			580148
23	116-F-2	Liquid	300.0	50.0		1.50 E+04	4.24 E+03	15.0	6.24 E+05	6.00 E+07	4/1/86	1950	1965	581147
24	116-F-3	Liquid	100.0				9.96 E+02			8.00 E+06	4/1/86	1947	1951	580147
25	116-F-4	Liquid	10.0	10.0		1.00 E+02	7.43 E+01	10.0	5.04 E+04	4.00 E+03	4/1/86	1950	1952	580147
26	116-F-5	Liquid	10.0	10.0		1.00 E+02	7.43 E+01	10.0	5.04 E+04	3.00 E+03	4/1/86	1962	1964	580147
27	116-F-6	Liquid	300.0	100.0		3.00 E+04	5.65 E+03	10.0	5.30 E+05	1.00 E+05	4/1/86	1952	1965	580147
28	116-F-7	Liquid			4.0		2.59 E+01	10.0	3.17 E+04	3.00 E+05	4/1/86	1960	1965	580147
29	116-F-8	Liquid	27.0	14.0		3.78 E+02	3.75 E+02		2.14 E+05		4/1/86	1945	1965	581148
30	116-F-9	Liquid					2.85 E+03	10.0	3.44 E+05	3.00 E+08	4/1/86	1963	1976	581147
31	116-H-1	Liquid	200.0	25.0		5.00 E+03	3.80 E+03	15.0	5.60 E+05	9.00 E+07	4/1/86	1952	May 1, 1965	578152
32	116-H-2	Liquid	275.0	100.0		2.75 E+04	7.21 E+03	6.0	1.31 E+05	6.00 E+08	4/1/86	1953	1965	577152
33	116-H-3	Liquid			3.0		1.30 E+02	15.0	1.13 E+05	4.00 E+05	4/1/86	1950	1965	577152
34	116-H-4	Liquid	4.0	4.0		1.60 E+01	2.14 E+01	2.0	0.00 E+00	1.00 E+03		1950	1952	577152
35	116-H-5	Liquid	27.0	14.0		3.78 E+02	3.32 E+02		1.58 E+05		4/1/86	1949	1965	578152

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1 2	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	116-H-6	Liquid				2.64 E+04	4.90 E+03		8.70 E+05		1/1/73	Jul 1, 1973	Nov 8, 1985	577152
2	116-H-7	Liquid	600.0	273.0		1.64 E+05	4.37 E+05	20.0	5.33 E+06		1/1/73	1949	1965	578152
3	116-H-9	Liquid	10.0	10.0		1.00 E+02	4.60 E+01	10.0	3.99 E+04	3.00 E+05		1960	1965	577152
4	116-K-1	Liquid					3.85 E+04		5.75 E+06	4.00 E+07	4/1/86	1955	1955	569147
5	116-K-2	Liquid	4000.0	45.0		1.80 E+05	6.69 E+04	15.0	4.15 E+06	3.00 E+11	4/1/86	1955	1971	569147
6	116-K-3	Liquid	32.0	32.0		1.02 E+03	8.03 E+02		1.77 E+05			1955	active	568147
7	116-KE-1	Liquid	40.0	40.0		1.60 E+03	3.80 E+02	26.0	3.46 E+05	8.00 E+05	4/1/86	1955	1971	569146
8	116-KE-2	Liquid	16.0	16.0		2.56 E+02	3.13 E+02	32.0	3.04 E+05	3.00 E+06	4/1/86	1955	1971	569146
9	116-KE-3	Liquid			20.0		9.27 E+01	78.0	4.61 E+05			1955	1971	569146
10	116-KE-4	Liquid			250.0	3.00 E+05	5.84 E+05	25.0	9.98 E+06		4/1/86	1955	1971	569146
11	116-KW-1	Liquid	40.0	40.0		1.60 E+03	3.80 E+02	26.0	3.71 E+05	8.00 E+05	4/1/86	1955	1970	568146
12	116-KW-2	Liquid			20.0		9.27 E+01	78.0	4.61 E+05			1955	1970	568146
13	116-KW-3	Liquid			250.0		5.84 E+05	29.0	9.98 E+06		4/1/86	1944	1970	568146
14	116-N-1	Liquid	125.0	290.0		3.63 E+04	3.60 E+04	12.0	1.07 E+06		9/1/85	1964	1985	571149
15	116-N-2	Liquid					7.43 E+01		6.61 E+04			1964	active	571149
16	116-N-3	Liquid					3.16 E+04		8.37 E+05		1983	Oct 1, 1983	active	571149
17	116-N-4	Liquid	130.0	80.0		1.04 E+04	1.71 E+03		4.51 E+05		1985	Dec 1, 1963	1973	571149
18	118-B-1	Solid	1000.0	321.0		3.21 E+05	6.65 E+04	20.0	5.09 E+06	1.00 E+04	4/1/86	1944	1973	564143
19	118-B-10	Solid	48.0	18.0		8.64 E+02	1.54 E+03		9.56 E+04					565144
20	118-B-2	Solid	60.0	30.0		1.80 E+03	8.02 E+02	10.0	2.84 E+04	1.00 E+02	4/1/86	1952	1956	565144
21	118-B-3	Solid	350.0	275.0		9.63 E+04	6.19 E+04	20.0	6.50 E+05	5.00 E+03	4/1/86	1956	1960	565144
22	118-B-4	Solid	50.0	30.0		1.50 E+03	7.21 E+01	15.0	5.71 E+04	7.00 E+01	4/1/86	1956	1958	565144
23	118-B-5	Solid	50.0	50.0		2.50 E+03	2.85 E+03	20.0	8.57 E+04	4.00 E+01	4/1/86	Jan 1, 1953	1953	565144
24	118-B-6	Solid	40.0	40.0		1.60 E+03	2.88 E+01	20.0	5.01 E+04	1.00 E+01	4/1/86	1952	1953	565144
25	118-B-7	Solid	8.0	8.0		6.40 E+01	6.28 E+01	8.0	9.75 E+03		4/1/86	1951	1968	565144
26	118-C-1	Solid	510.0	400.0		2.04 E+05	4.75 E+04	15.0	3.97 E+06	1.00 E+04	4/1/86	1953	1969	565143
27	118-C-2	Solid			6.0		4.00 E+00	5.0	9.18 E+02		4/1/86	1969	1969	565144
28	118-D-1	Solid	450.0	375.0		9.19 E+04	1.05 E+05	20.0		1.00 E+04	4/1/86	1944	1967	573150
29	118-D-2	Solid	1000.0	360.0		3.60 E+05	8.19 E+04	20.0	6.85 E+06	1.00 E+04	4/1/86	1949	1970	572150
30	118-D-3	Solid	1000.0	250.0		2.50 E+05	6.07 E+04	20.0	4.94 E+06	1.00 E+02	4/1/86	1956	1973	573151
31	118-D-4	Solid	600.0	200.0		1.20 E+05	3.32 E+04	20.0	2.43 E+06	2.00 E+04	4/1/86	1953	1967	573151
32	118-D-5	Solid				1.60 E+03	8.68 E+02	10.0	6.41 E+04	1.00 E+01	4/1/86	1954	1954	573151
33	118-DR-1	Solid	125.0	75.0		9.38 E+03	5.38 E+03	15.0		2.00 E+01	4/1/86	1963	1964	573151
34	118-F-1	Solid	600.0	500.0		3.00 E+05	5.86 E+04	20.0		2.00 E+04	4/1/86	1954	1965	580147
35	118-F-2	Solid	368.0	326.0		1.20 E+05	3.10 E+04	20.0		1.00 E+04	4/1/86	1945	1965	579147

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1 Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
118-F-3	Solid	175.0	50.0		8.75 E+03	5.28 E+03	15.0	1.42 E+05	1.00 E+01	4/1/86	1952	1952	580147
118-F-4	Solid	10.0	10.0		1.00 E+02	3.45 E+02	10.0	1.87 E+04	1.00 E+01	4/1/86	1949	1949	580147
118-F-5	Solid	500.0	150.0		7.50 E+04	1.39 E+04	15.0	1.30 E+06	1.00 E+04	4/1/86	1954	1975	581147
118-F-6	Solid	400.0	200.0		8.00 E+04	5.24 E+04	20.0	6.40 E+05	1.00 E+04	4/1/86	1965	Feb 1, 1973	580147
118-F-7	Solid	16.0	8.0		1.28 E+02	1.15 E+02	8.0			4/1/86	1945	1965	580147
118-F-9	Solid	150.0	30.0		4.50 E+03	4.89 E+03		1.77 E+05		4/1/86			580147
118-H-1	Solid	700.0	350.0		2.45 E+05	6.59 E+04	20.0	4.78 E+06	1.00 E+04	4/1/86	1949	1965	577152
118-H-2	Solid	140.0	50.0		7.00 E+03	2.34 E+03	15.0		2.00 E+00	4/1/86	1955	1965	577152
118-H-3	Solid	300.0	200.0		6.00 E+04	3.99 E+04	20.0	5.22 E+05	3.00 E+03	4/1/86	1953	1957	577152
118-H-4	Solid	150.0	30.0		4.50 E+03	1.82 E+03	10.0	5.72 E+04	2.00 E+01	4/1/86	1953	1965	577152
118-H-5	Solid	30.0	10.0		3.00 E+02	9.25 E+02	2.0	1.19 E+05	3.00 E+01	4/1/86	1953	1960	577152
118-K-1	Solid	1200.0	600.0		7.20 E+05	1.98 E+05	20.0	1.18 E+07	1.00 E+04	4/1/86	1953	1973	569146
118-N-1	Solid					3.78 E+02		8.27 E+04			1963	active	571149
120-B-1	Liquid					7.43 E+01		4.44 E+04			1944	1969	565144
120-D-1	Liquid					1.56 E+04		2.56 E+05			Jan 1, 1977		573152
120-D-2	Solid	92.3	92.3		8.53 E+03	4.90 E+03	14.0	2.16 E+05					573151
120-F-1	Solid	30.0	8.0		2.4 E+02	8.31 E+01	4.0	8.21 E+03		4/1/86			581147
120-KE-1	Liquid	4.0	4.0		1.60 E+01	2.32 E+01	4.0				1955	1971	569146
120-KE-2	Liquid			3.0		1.90 E+01	3.0	8.81 E+03			1955	1971	569146
120-KE-3	Liquid	40.0	3.0		1.20 E+02	4.91 E+01	3.0				1955	1970	569146
120-KE-6	Liquid					7.43 E+01		3.38 E+04			1955	1971	569146
120-KE-8	Liquid	16.0	10.0		1.60 E+02	1.02 E+02	10.0	3.20 E+04			1955	1971	569146
120-KE-9	Liquid	23.0	17.0		3.91 E+02	2.19 E+02	10.0	3.56 E+04			1955	1971	569146
120-KW-1	Liquid	4.0	4.0		1.60 E+01	2.32 E+01	4.0	1.15 E+04			1955	1970	568146
120-KW-2	Liquid			3.0		1.90 E+01	3.0				1955	1970	568146
120-KW-5	Liquid					7.43 E+01		3.38 E+04			1955	1971	568146
120-KW-6	Liquid	16.0	10.0		1.60 E+02	1.02 E+02	10.0	3.20 E+04			1955	1970	568146
120-KW-7	Liquid	23.0	17.0		3.91 E+02	2.19 E+02	10.0	1.27 E+04			1955	1970	568146
120-N-1	Liquid				2.90 E+04	8.20 E+03		9.09 E+05			Aug 1, 1977	active	571149
120-N-2	Liquid					1.55 E+03		2.42 E+05			May 13, 1986	Nov 7, 1988	571149
120-N-3	Liquid					2.32 E+01		1.15 E+04			Dec 1, 1963	Mar 1, 1988	571149
120-N-5	Liquid					2.32 E+01		1.15 E+04			1963	active	571149
120-N-6	Liquid					2.32 E+01		1.15 E+04			1963	Mar 1, 1988	571149
120-N-7	Liquid					2.32 E+01		1.15 E+04			1963	Mar 1, 1987	571149
120-N-8	Liquid					2.32 E+01		9.67 E+03			Dec 1, 1963	Mar 1, 1988	571149

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1 2	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	124-N-1	Liquid					4.65 E+02		7.00 E+04			1963	active	571149
2	124-N-10	Liquid					1.89 E+04		2.50 E+06			Feb 1, 1987	active	572148
3	124-N-2	Liquid					7.81 E+01		1.55 E+04			1963	active	571149
4	124-N-3	Liquid					2.32 E+01		1.14 E+04			1982	active	571149
5	124-N-4	Liquid					9.71 E+03		1.37 E+06			1963	Feb 1, 1987	571149
6	124-N-5	Liquid					1.24 E+03		1.79 E+05			1981	Feb 1, 1987	571149
7	124-N-6	Liquid					3.78 E+02		5.76 E+04			1979	1984	571149
8	124-N-7	Liquid					1.69 E+03		2.41 E+05			1984	Feb 1, 1987	571149
9	124-N-8	Liquid					3.04 E+02		4.67 E+04			1983	Feb 1, 1987	571149
10	124-N-9	Liquid					7.24 E+02		1.06 E+05			1985	active	571149
11	126-B-1	Solid					5.14 E+04		9.77 E+04			1944	1969	564145
12	126-B-2	Solid	751.0	135.0		1.01 E+05	6.31 E+04		6.79 E+05					564144
13	126-B-3	Solid	400.0	225.0		9.00 E+04	4.38 E+04		2.56 E+05			1970's		564144
14	126-B-4	Solid												564144
15	126-D-1	Solid					2.67 E+04					1950	1960	573151
16	126-D-2	Solid					5.84 E+04		2.06 E+05			1970's	1986	573151
17	126-D-3	Solid					6.02 E+01		1.78 E+04					573151
18	126-DR-1	Solid	42.0	525.0		2.21 E+04	1.92 E+04		3.96 E+05			1970's		573151
19	126-F-1	Solid					3.13 E+04		4.56 E+05		4/1/86	1944	1965	580147
20	126-F-2	Solid	751.0	135.0		1.01 E+05	6.78 E+04				4/1/86	1970's		580148
21	126-H-1	Solid					3.13 E+04		4.89 E+05			1948	1965	577152
22	126-H-2	Solid	751.0	135.0		1.01 E+05	6.78 E+04					1970's		
23	126-K-1	Solid					5.84 E+04		6.90 E+05			1970's	active	569146
24	128-B-1	Solid	100.0	100.0		1.00 E+04	3.44 E+03	10.0	9.77 E+04			1943	1950	565145
25	128-B-2	Solid	450.0	30.0		1.35 E+04	1.34 E+04		3.07 E+05			1948	1968	566145
26	128-B-3	Solid	450.0	60.0		2.70 E+04	2.14 E+04		3.88 E+05			1944	1968	566145
27	128-C-1	Solid	225.0	125.0		2.81 E+04	2.02 E+04		3.23 E+05					565143
28	128-D-1	Solid	100.0	100.0		1.00 E+04	3.44 E+03	10.0	7.52 E+04			1944	1967	574151
29	128-D-2	Solid	240.0	240.0		5.80 E+04	3.84 E+04		5.05 E+05					574151
30	128-F-1	Solid	100.0	100.0		1.00 E+04	3.44 E+03	10.0	7.52 E+04	2.00 E+04	4/1/86	1945	1965	581147
31	128-F-2	Solid	150.0	60.0		9.00 E+03	5.29 E+03		1.39 E+05		4/1/86			581147
32	128-F-3	Solid	100.0	100.0		1.00 E+04	5.65 E+03		1.02 E+05		4/1/86			580147
33	128-H-1	Solid	100.0	100.0		1.00 E+04	3.44 E+03	10.0	7.52 E+04		4/1/86	1949	1965	577153
34	128-H-2	Solid	120.0	80.0		9.60 E+03	3.32 E+03						1965	
35	128-H-3	Solid					3.32 E+03							

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	128-K-1	Solid	100.0	100.0		1.00 E+04	3.44 E+03	10.0	7.52 E+04			1955	1971	569146
2	128-K-2	Solid	800.0	280.0		7.50 E+04	1.39 E+05							
3	128-N-1	Solid					3.13 E+04		4.56 E+05			1963	1989	572149
4	130-D-1	Liquid					5.92 E+01		3.78 E+04			1944	1968	573151
5	130-K-1	Liquid					1.13 E+02		3.99 E+03			1955	1972	569146
6	130-K-2	Liquid					6.41 E+01					1955	1972	569146
7	130-K-3	Liquid					1.50 E+02		1.05 E+05			1955	1971	568146
8	130-KE-1	Liquid					4.32 E+01					1955	1971	
9	130-KE-2	Liquid					4.32 E+01		2.35 E+04			1955	1971	569146
10	130-KW-1	Liquid					4.32 E+01		2.35 E+04			1955	1970	568146
11	130-KW-2	Liquid					4.32 E+01		2.35 E+04			1955	1970	568146
12	130-N-1	Liquid					2.44 E+04		3.65 E+05			1983	active	570149
13	132-B-1	Solid	148.0	32.0		4.74 E+03	2.01 E+03		8.76 E+04			1944	1970s	565144
14	132-B-2	Solid	200.0		16.6							1944	1968	565144
15	132-B-3	Solid	300.0		18.0		5.42 E+03		3.30 E+05					565144
16	132-B-4	Solid	59.0	39.0		2.30 E+03	1.76 E+03		8.63 E+04			1961	1968	565144
17	132-B-5	Solid	168.0				5.66 E+03		1.29 E+05			1952	1968	565144
18	132-B-6	Liquid	27.0	14.0		3.78 E+02	3.32 E+02		1.45 E+05			1944	1968	565145
19	132-C-1	Solid	200.0				8.95 E+03		1.70 E+05			1952	1969	565143
20	132-C-2	Solid					6.39 E+02		1.82 E+05					565145
21	132-C-3	Solid	59.0	39.0		2.30 E+03	1.76 E+03		1.75 E+05			1961	1969	565143
22	132-D-1	Solid	168.0	98.0		1.65 E+04	5.59 E+03	11.0				1944	1967	573151
23	132-D-2	Solid	59.0	39.0		2.30 E+03	1.35 E+03		2.87 E+05			1961	1967	573151
24	132-D-3	Liquid	20.0	20.0		4.00 E+02	4.72 E+02		4.41 E+05			1944	1965	573151
25	132-DR-1	Liquid	36.0	34.0		1.22 E+03	3.62 E+02		1.83 E+04			1950	1964	573151
26	132-DR-2	Solid	200.0		16.6							1950	1986	573151
27	132-F-3	Solid	168.0	98.0		1.65 E+04	6.99 E+03	11.0	4.02 E+04			1943	1956	580147
28	132-F-4	Solid	200.0		16.6	2.20 E+02	1.48 E+04		3.66 E+05		4/1/86	1944	1965	580147
29	132-F-5	Solid	59.0	39.0		2.30 E+03	2.09 E+03		3.58 E+05		4/1/86			580147
30	132-F-6	Liquid	36.0	34.0		1.22 E+03	9.74 E+02				4/1/86	1944	1965	580147
31	132-H-1	Solid	200.0		16.6	2.20 E+02	9.90 E+03		2.69 E+05			1945	1965	577152
32	132-H-2	Solid	59.0	39.0		2.30 E+03	2.35 E+03					1961	1965	
33	132-H-3	Liquid	36.0	34.0		1.22 E+03	1.37 E+03		4.01 E+05			1949	1965	577152
34	132-KE-1	Solid	300.0		22.0	3.80 E+02						1955	1971	569146
35	132-KW-1	Solid	300.0		22.0	3.80 E+02						1955	1970	568146

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1 2	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	1607-B1	Liquid	14.0	7.0		9.80 E+01	1.43 E+03		2.04 E+05			1944	1960	566144
2	1607-B10	Liquid					1.40 E+02		2.46 E+04			1952		564143
3	1607-B11	Liquid					4.84 E+01		1.17 E+04			1952		564144
4	1607-B2	Liquid	25.0	11.5		2.88 E+02	5.10 E+03		7.18 E+05			1944		565144
5	1607-B3	Liquid	9.5	4.5		4.28 E+01	5.56 E+02		8.26 E+04			1944	1974	564144
6	1607-B4	Liquid	6.0	3.0		1.80 E+01	1.26 E+02		2.26 E+04			1944		564144
7	1607-B5	Liquid	4.0	2.0		8.00 E+00	4.84 E+01		1.17 E+04			1944	active	564145
8	1607-B6	Liquid	8.0	4.0		3.20 E+01	2.96 E+02		4.63 E+04			1944	1988	564144
9	1607-B7	Liquid	6.0	3.0		1.80 E+01	1.49 E+02		2.58 E+04			1951	1969	564144
10	1607-B8	Liquid					1.40 E+02		2.46 E+04			1951	1969	565144
11	1607-B9	Liquid					8.85 E+02		1.29 E+05					565143
12	1607-D1	Liquid	14.0	7.0		9.80 E+01	1.43 E+03		2.05 E+05			1944	1965	574150
13	1607-D2	Liquid	26.5	12.0		3.18 E+02	6.27 E+03		8.83 E+05			1944		573152
14	1607-D3	Liquid	6.0	3.0		1.80 E+01	1.26 E+02		2.26 E+04			1944		573151
15	1607-D4	Liquid	4.0	2.0		8.00 E+00	8.09 E+01		1.63 E+04			1944	1968	573151
16	1607-D5	Liquid	4.0	2.0		8.00 E+00	8.09 E+01		1.63 E+04			1944		572151
17	1607-F1	Liquid	14.0	7.0		9.80 E+01	1.43 E+03		2.04 E+05		4/1/86	1944	1960	580146
18	1607-F2	Liquid	26.5	11.5		3.05 E+02	5.92 E+03		8.32 E+05		4/1/86	1944	1988	580147
19	1607-F3	Liquid	8.5	4.5		3.83 E+01	4.77 E+02		7.15 E+04		4/1/86	1944	1965	580148
20	1607-F4	Liquid	4.0	2.0		8.00 E+00	8.09 E+01		1.63 E+04		4/1/86	1944	1965	580147
21	1607-F5	Liquid	4.0	2.0		8.00 E+00	8.09 E+01		1.63 E+04		4/1/86	1944	1965	580148
22	1607-F6	Liquid					4.77 E+02		7.15 E+04		4/1/86	1945	1975	580147
23	1607-FSM	Liquid										1960	active	571145
24	1607-H1	Liquid					4.77 E+02		7.15 E+04			1948		577152
25	1607-H2	Liquid					4.77 E+02		7.15 E+04			1949	1965	577153
26	1607-H3	Liquid					1.14 E+03		1.65 E+05		4/1/86	1948	1968	577153
27	1607-H4	Liquid					8.09 E+01		1.63 E+04		4/1/86	1948	1965	577151
28	1607-K1	Liquid					1.83 E+02		3.05 E+04			1955	active	569146
29	1607-K2	Liquid					1.26 E+02		2.26 E+04			1955	active	569146
30	1607-K3	Liquid					1.83 E+02		3.05 E+04			1955	1970	568146
31	1607-K4	Liquid					1.83 E+02		3.05 E+04			1955	active	568146
32	1607-K5	Liquid					2.39 E+02					1955		
33	1607-K6	Liquid					1.83 E+02		3.05 E+04			1955	active	568146
34	200 CP	Solid	1500.0	500.0		7.50 E+05		20.0				1945	1955	572136
35	200-E BP	Solid	394.0	201.0		7.92 E+04		15.0				1950	1970	575137

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
2														
1	200-E PAP	Solid				6.53 E+05						1943	active	574135
2	200-E PD	Liquid												
3	200-W ADB	Solid												
4	200-W BP	Solid	200.0	200.0		4.00 E+04		15.0				1950	1970	567135
5	200-W CSLA	Solid	400.0	175.0		7.00 E+04		15.0				1945	1950	567134
6	200-W PAP	Solid				4.36 E+04						1943		567135
7	200-W PP	Liquid										Aug 1, 1984	active	567136
8	207-A	Liquid										Mar 1, 1977		575136
9	207-B	Liquid	246.0	123.0		3.03 E+04		6.5				Apr 1, 1945		573137
10	207-S	Liquid	130.0	130.0		1.69 E+04		8.0				Oct 1, 1951	Apr 1, 1954	566133
11	207-SL	Liquid	50.0	50.0		2.50 E+03		12.0				Feb 1, 1952	active	567133
12	207-T	Liquid	246.0	123.0		3.03 E+04		6.5				Nov 1, 1944	active	566136
13	207-U	Liquid										1952		567135
14	207-Z	Liquid	50.0	40.0		2.00 E+03		10.0				1949	1959	566135
15	213-J&K	Liquid	15.0	8.0		1.20 E+02		5.0				1944	1958	579140
16	216-A-1	Liquid	30.0	30.0		9.00 E+02	3.60 E+02	15.0	1.10 E+03	9.84 E+04	12/31/89	Nov 1, 1955	Dec 1, 1955	575136
17	216-A-10	Liquid	275.0	45.0		1.24 E+04	3.30 E+04	45.0	1.90 E+05	3.21 E+09	12/31/89	1956	Mar 1, 1987	574135
18	216-A-11	Liquid			2.5			30.0		1.00 E+05		Jan 1, 1956	1972	575135
19	216-A-12	Liquid			2.5			33.0		1.00 E+05		Nov 1, 1955	1972	575135
20	216-A-13	Liquid			3.0			18.0		1.00 E+05		Jan 1, 1956	Dec 1, 1962	574135
21	216-A-14	Liquid			2.5			29.0		1.00 E+03		Jan 1, 1956	1972	575135
22	216-A-15	Liquid			4.0			44.0		1.00 E+07		Dec 1, 1955	1972	575135
23	216-A-16	Liquid			3.5			17.0		1.22 E+05		Jan 1, 1956	Mar 1, 1969	575136
24	216-A-17	Liquid			3.5			17.0		6.00 E+04		Jan 1, 1956	Mar 1, 1969	575136
25	216-A-18	Liquid	80.0	80.0		6.40 E+03	1.60 E+04	15.0	2.90 E+05	4.88 E+05	12/31/89	Nov 1, 1955	Jan 1, 1956	575136
26	216-A-19	Liquid	25.0	25.0		6.25 E+02	6.60 E+01	15.0	1.20 E+03	1.10 E+06	12/31/89	Nov 1, 1955	Jan 1, 1956	575136
27	216-A-2	Liquid	20.0	20.0		4.00 E+02	2.10 E+02	27.0	2.80 E+03	2.30 E+05	12/31/89	Jan 1, 1956	Jan 1, 1963	575135
28	216-A-20	Liquid	25.0	25.0		6.25 E+00	6.60 E+01	15.0	1.20 E+03	9.61 E+05	12/31/89	Nov 1, 1955	Jan 1, 1956	575136
29	216-A-21	Liquid	60.0	16.0		9.60 E+02	1.40 E+03	19.0	8.00 E+03	7.79 E+07	12/31/89	Oct 1, 1957	Jun 1, 1965	575135
30	216-A-22	Liquid			6.0			16.0		1.00 E+04		Mar 1, 1956	Dec 1, 1958	574135
31	216-A-23A	Liquid			3.5			13.0		6.00 E+03		Sep 1, 1957	Mar 1, 1969	575136
32	216-A-23B	Liquid			3.5			7.0		6.00 E+03		Sep 1, 1957	Mar 1, 1969	575136
33	216-A-24	Liquid	1400.0	20.0		2.80 E+04	4.80 E+03	15.0	2.00 E+04	8.20 E+08	12/31/89	May 1, 1958	Jan 1, 1966	575136
34	216-A-25	Liquid					1.50 E+05			3.07 E+11	12/31/89	Dec 1, 1957	1987	574139
35	216-A-26	Liquid			4.0							Jul 1, 1965	active	575135

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1 2	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	216-A-26A	Liquid			3.0			15.0		1.00 E+03		Mar 1, 1959	Jul 1, 1965	575135
2	216-A-27	Liquid	200.0	10.0		2.00 E+03	7.70 E+03	14.0	2.00 E+04	2.32 E+07	12/31/89	Jun 1, 1965	Jul 1, 1970	575135
3	216-A-28	Liquid			10.0			11.0		3.00 E+04	11/1/67	Dec 1, 1958	Nov 1, 1967	574135
4	216-A-29	Liquid	4000.0	6.0		2.40 E+04	9.60 E+03					Nov 1, 1955	1991	
5	216-A-3	Liquid	20.0	20.0		4.00 E+02	3.60 E+02	16.0	8.80 E+02	3.05 E+06	12/31/89	Jan 1, 1956	Apr 1, 1981	575135
6	216-A-30	Liquid	1400.0	10.0		1.40 E+04	3.30 E+03	12.0	4.60 E+03	7.11 E+09	12/31/89	Jan 1, 1961	active	575135
7	216-A-31	Liquid	70.0	10.0		7.00 E+02	3.10 E+02	24.0	2.70 E+03	1.00 E+04	12/31/89	Jul 1, 1964	Nov 1, 1966	575135
8	216-A-32	Liquid	70.0	8.0		5.60 E+02		12.0		4.00 E+03		Jan 1, 1959	1972	575135
9	216-A-33	Liquid			6.0			12.0				Nov 1, 1955	Jul 1, 1964	575135
10	216-A-34	Liquid	280.0					3.0				Nov 1, 1955	Dec 1, 1957	575136
11	216-A-35	Liquid			6.0			16.0		1.00 E+04		Dec 1, 1963	Jan 1, 1966	574135
12	216-A-36A	Liquid	100.0	11.0		1.10 E+03	1.10 E+02	22.0	2.90 E+03	1.07 E+06	12/31/89	Sep 1, 1965	Mar 1, 1966	575135
13	216-A-36B	Liquid	500.0	11.0		5.50 E+03	8.30 E+02	25.0	1.40 E+04	3.17 E+08	12/31/89	Mar 1, 1966	Sep 6, 1987	575135
14	216-A-37-1	Liquid	700.0	10.0		7.00 E+03	1.80 E+03	11.0	3.40 E+03	3.77 E+08	12/31/89	Mar 1, 1977	active	575135
15	216-A-37-2	Liquid	1400.0	10.0		1.40 E+04		15.0		1.09 E+09	12/31/89	1983		576135
16	216-A-38-1	Liquid	520.0	15.0		7.80 E+03		37.0				never used		574135
17	216-A-4	Liquid	20.0	20.0		4.00 E+02	2.10 E+02	26.0	2.60 E+03	6.21 E+06	12/31/89	Dec 1, 1955	Dec 1, 1958	575135
18	216-A-40	Liquid	400.0	20.0		8.00 E+03		16.0		9.46 E+05		Jan 1, 1968	May 1, 1979	575136
19	216-A-41	Liquid	10.0	10.0		1.00 E+02		6.0		1.00 E+04		Jan 1, 1968	1974	575136
20	216-A-42	Liquid	342.0	30.0		1.03 E+04		23.0				Sep 1, 1978	active	575135
21	216-A-45	Liquid	310.0	60.0		1.86 E+04		37.5		1.03 E+08	12/31/89	Mar 4, 1987		574135
22	216-A-5	Liquid	35.0	35.0		1.23 E+03	6.90 E+02	32.0	6.10 E+03	1.63 E+09	12/31/89	Dec 1, 1955	Oct 1, 1966	575135
23	216-A-524	Liquid	16.0	8.0		1.28 E+02		11.0				1957	Jan 1, 1966	575136
24	216-A-6	Liquid	100.0	100.0		1.00 E+04	2.80 E+03	19.0	6.90 E+03	3.40 E+09	12/31/89	Nov 1, 1955	Jan 1, 1970	575135
25	216-A-7	Liquid	10.0	10.0		1.00 E+02	1.40 E+02	15.0	7.20 E+02	3.26 E+05	12/31/89	Nov 1, 1955	Nov 1, 1966	575136
26	216-A-8	Liquid	850.0	20.0		1.70 E+04	6.60 E+03	14.0	1.00 E+04	1.15 E+09	12/31/89	Nov 1, 1955		575136
27	216-A-9	Liquid	420.0	20.0		8.40 E+03	2.10 E+03	13.0	5.90 E+03	9.81 E+08	12/31/89	Mar 1, 1956	Aug 1, 1969	575136
28	216-B-10A	Liquid	14.0	14.0		1.96 E+02	4.50 E+01	20.0	7.70 E+02	9.99 E+06	12/31/89	Dec 1, 1949	Jan 1, 1952	573136
29	216-B-10B	Liquid	14.0	14.0		1.96 E+02	4.50 E+01	20.0	7.70 E+02	2.80 E+04	12/31/89	Jun 1, 1969	Oct 1, 1973	573136
30	216-B-11A&B	Liquid			4.0		2.60 E+01	40.0	2.20 E+01	2.96 E+07	12/31/89	Dec 1, 1951	Dec 1, 1954	573137
31	216-B-12	Liquid	160.0	50.0		8.00 E+03	3.00 E+03	26.0	6.90 E+03	5.20 E+08	12/31/89	Nov 1, 1952	Nov 1, 1973	573136
32	216-B-13	Liquid			4.0			18.0		2.10 E+04		Aug 1, 1947	Jun 1, 1976	573136
33	216-B-14	Liquid	80.0	80.0		6.40 E+03	4.10 E+02	12.0	9.50 E+02	8.71 E+06	12/31/89	Jan 1, 1956	Feb 1, 1956	573134
34	216-B-15	Liquid	80.0	80.0		6.40 E+03	4.10 E+02	15.0	1.30 E+03	6.32 E+06	12/31/89	Apr 1, 1956	Dec 1, 1957	573134
35	216-B-16	Liquid	80.0	80.0		6.40 E+03	4.10 E+02	12.0	9.50 E+02	5.60 E+06	12/31/89	Apr 1, 1956	Aug 1, 1956	573134

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	216-B-17	Liquid	80.0	80.0		6.40 E+03	4.10 E+02	14.0	1.10 E+03	3.41 E+06	12/31/89	Jan 1, 1956	Jan 1, 1956	573134
2	216-B-18	Liquid	80.0	80.0		6.40 E+03	4.10 E+02	14.0	1.50 E+03	8.52 E+06	12/31/89	Mar 1, 1956	Apr 1, 1956	573134
3	216-B-19	Liquid	80.0	80.0		6.40 E+03	4.10 E+02	14.0	1.50 E+03	6.40 E+06	12/31/89	Feb 1, 1957	Oct 1, 1957	573134
4	216-B-2-1	Liquid	3500.0	15.0		5.25 E+04	3.90 E+03	6.0	1.10 E+04	1.49 E+11		Apr 1, 1945	Nov 1, 1963	
5	216-B-2-2	Liquid	2350.0	15.0		3.53 E+04	4.10 E+03	8.0	1.30 E+04	4.97 E+07	12/31/89	Nov 1, 1963	May 1, 1970	573137
6	216-B-2-3	Liquid	4000.0	20.0		8.00 E+04	1.90 E+03	8.0			12/31/89	1970	1987	573137
7	216-B-20	Liquid	500.0	10.0		5.00 E+03	2.70 E+02	10.0	4.80 E+03	4.68 E+06	12/31/89	Aug 1, 1956	Sep 1, 1956	573134
8	216-B-21	Liquid	500.0	10.0		5.00 E+03	3.10 E+02	10.0	5.60 E+03	4.67 E+06	12/31/89	Sep 1, 1956	Oct 1, 1956	573134
9	216-B-22	Liquid	500.0	10.0		5.00 E+03	3.10 E+02	12.0	5.60 E+03	4.74 E+06	12/31/89	Oct 1, 1956	Oct 1, 1956	573134
10	216-B-23	Liquid	500.0	10.0		5.00 E+03	1.60 E+02	8.0	2.90 E+03	4.52 E+06	12/31/89	Oct 1, 1956	Oct 1, 1956	573134
11	216-B-24	Liquid	500.0	10.0		5.00 E+03	2.30 E+02	8.0	4.10 E+03	4.70 E+06	12/31/89	Oct 1, 1956	Nov 1, 1956	573134
12	216-B-25	Liquid	500.0	10.0		5.00 E+03	3.10 E+02	10.0	5.60 E+03	3.76 E+06	12/31/89	Nov 1, 1956	Dec 1, 1956	573134
13	216-B-26	Liquid	500.0	10.0		5.00 E+03	1.60 E+02	8.0	2.90 E+03	5.88 E+06	12/31/89	Dec 1, 1956	Feb 1, 1957	573134
14	216-B-27	Liquid	500.0	10.0		5.00 E+03	2.30 E+02	8.0	4.10 E+03	4.42 E+06	12/31/89	Feb 1, 1957	Apr 1, 1957	573134
15	216-B-28	Liquid	500.0	10.0		5.00 E+03	3.10 E+02	13.0	5.60 E+03	5.05 E+06	12/31/89	Apr 1, 1957	Jun 1, 1957	573134
16	216-B-29	Liquid	500.0	10.0		5.00 E+03	2.70 E+02	10.0	4.80 E+03	4.84 E+06	12/31/89	Jun 1, 1957	Jul 1, 1957	573134
17	216-B-3	Liquid					6.30 E+04			2.40 E+11		Apr 1, 1945		576136
18	216-B-3-1	Liquid	3200.0	6.0		1.92 E+04	3.70 E+03	6.0	1.20 E+04	1.49 E+11		Apr 1, 1945	Jul 1, 1964	
19	216-B-3-2	Liquid	3700.0	15.0		5.55 E+04				1.49 E+11		Jul 1, 1964	Sep 1, 1970	
20	216-B-3-3	Liquid		3700.0	20.0							Sep 30, 1970		
21	216-B-30	Liquid	500.0	10.0		5.00 E+03	2.70 E+02	11.0	4.80 E+03	4.78 E+06	12/31/89	Jul 1, 1957	Jul 1, 1957	573134
22	216-B-31	Liquid	500.0	10.0		5.00 E+03	1.90 E+02	10.0	3.50 E+03	4.74 E+06	12/31/89	Jul 1, 1957	Aug 1, 1957	573134
23	216-B-32	Liquid	500.0	10.0		5.00 E+03	2.70 E+02	10.0	4.80 E+03	4.77 E+06	12/31/89	Aug 1, 1957	Sep 1, 1957	573134
24	216-B-33	Liquid	500.0	10.0		5.00 E+03	3.10 E+02	10.0	5.60 E+03	4.74 E+06	12/31/89	Sep 1, 1957	Oct 1, 1957	573134
25	216-B-34	Liquid	500.0	10.0		5.00 E+03	1.90 E+02	10.0	3.50 E+03	4.87 E+06	12/31/89	Oct 1, 1957	Oct 1, 1957	573134
26	216-B-35	Liquid	252.0	10.0		2.52 E+03	1.20 E+02	10.0	2.20 E+03	1.06 E+06	12/31/89	Feb 1, 1954	Mar 1, 1954	573137
27	216-B-36	Liquid	252.0	10.0		2.52 E+03	1.20 E+02	10.0	2.20 E+03	1.94 E+06	12/31/89	Mar 1, 1954	Apr 1, 1954	573137
28	216-B-37	Liquid	252.0	10.0		2.52 E+03	1.20 E+02	10.0	2.20 E+03	4.32 E+06	12/31/89	Aug 1, 1954	Aug 1, 1954	573137
29	216-B-38	Liquid	252.0	10.0		2.52 E+03	1.20 E+02	10.0	2.20 E+03	1.43 E+06	12/31/89	Jul 1, 1954	1954	573137
30	216-B-39	Liquid	252.0	10.0		2.52 E+03	1.20 E+02	10.0	2.20 E+03	1.54 E+06	12/31/89	Dec 1, 1953	Nov 1, 1954	573137
31	216-B-3A	Liquid												577136
32	216-B-3B	Liquid												577136
33	216-B-3C	Liquid										1985		577136
34	216-B-40	Liquid	252.0	10.0		2.52 E+03	1.20 E+02	10.0	2.20 E+03	1.64 E+06	12/31/89	Apr 1, 1954	Jul 1, 1954	573137
35	216-B-41	Liquid	252.0	10.0		2.52 E+03	1.20 E+02	10.0	2.20 E+03	1.44 E+06	12/31/89	Nov 1, 1954	Nov 1, 1954	573137

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1 2	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	216-B-42	Liquid	252.0	10.0		2.52 E+03	1.20 E+02	10.0	2.20 E+03	1.50 E+06	12/31/89	Jan 1, 1955	Feb 1, 1955	573137
2	216-B-43	Liquid	75.0	75.0		5.63 E+03	4.20 E+02	15.0	8.70 E+02	2.12 E+06	12/31/89	Nov 1, 1954	Nov 1, 1954	573137
3	216-B-44	Liquid	75.0	75.0		5.63 E+03	4.20 E+02	15.0	8.70 E+02	5.60 E+06	12/31/89	Nov 1, 1954	Mar 1, 1955	573137
4	216-B-45	Liquid	75.0	75.0		5.63 E+03	4.20 E+02	15.0	8.70 E+02	4.92 E+06	12/31/89	Apr 1, 1955	Jun 1, 1955	573137
5	216-B-46	Liquid	75.0	75.0		5.63 E+03	4.20 E+02	15.0	8.70 E+02	6.70 E+06	12/31/89	Sep 1, 1955	Dec 1, 1955	573137
6	216-B-47	Liquid	75.0	75.0		5.63 E+03	4.20 E+02	15.0	8.70 E+02	3.71 E+06	12/31/89	Sep 1, 1955	Sep 1, 1955	573137
7	216-B-48	Liquid	75.0	75.0		5.63 E+03	4.20 E+02	15.0	8.70 E+02	4.09 E+06	12/31/89	Nov 1, 1955	Nov 1, 1955	573137
8	216-B-49	Liquid	75.0	75.0		5.63 E+03	4.20 E+02	15.0	8.70 E+02	6.70 E+06	12/31/89	Nov 1, 1955	Dec 1, 1955	573137
9	216-B-5	Liquid			0.7		1.60 E+02	302.0	5.60 E+02	3.06 E+07	12/31/89	Apr 1, 1945	Oct 1, 1947	573136
10	216-B-50	Liquid	75.0	75.0		5.63 E+03	4.60 E+02	15.0	7.90 E+02	5.48 E+07	12/31/89	Jan 1, 1965	Jan 1, 1974	573137
11	216-B-51	Liquid			5.0					1.00 E+03		Jan 1, 1956	Jan 1, 1958	573137
12	216-B-52	Liquid	580.0	10.0		5.80 E+03	1.90 E+02	10.0	3.40 E+03	8.53 E+06	12/31/89	Dec 1, 1957	Jan 1, 1958	573134
13	216-B-53A	Liquid	60.0	10.0		6.00 E+02	2.40 E+01	10.0	4.30 E+02	5.49 E+05	12/31/89	Oct 1, 1965	Nov 1, 1965	573134
14	216-B-53B	Liquid	150.0	10.0		1.50 E+03	4.00 E+01	8.0	7.10 E+02	1.51 E+04	12/31/89	Nov 1, 1962	Mar 1, 1963	573134
15	216-B-54	Liquid	200.0	10.0		2.00 E+03	6.80 E+01	8.0	1.20 E+03	9.99 E+05	12/31/89	Mar 1, 1963	Oct 1, 1965	573134
16	216-B-55	Liquid	750.0	10.0		7.50 E+03	1.70 E+03	12.0	6.60 E+03	1.23 E+09	12/31/89	Sep 1, 1967	active	573136
17	216-B-56	Liquid	70.0	10.0		7.00 E+02						never used		573136
18	216-B-57	Liquid	200.0	15.0		3.00 E+03	6.80 E+02	10.0	1.30 E+03	8.44 E+07	12/31/89	Feb 1, 1968	Jun 1, 1973	573137
19	216-B-58	Liquid	200.0	10.0		2.00 E+03	4.70 E+02	8.0	7.00 E+02	4.13 E+05	12/31/89	Nov 1, 1965	Jun 1, 1967	573134
20	216-B-59	Liquid	400.0	20.0		8.00 E+03	2.50 E+02	12.0	2.90 E+03	4.77 E+05	12/31/89	Dec 1, 1967		573136
21	216-B-6	Liquid			0.5			75.0		6.00 E+06		Apr 1, 1945	Dec 1, 1949	573136
22	216-B-60	Liquid			8.0		6.70 E+01	40.0	2.20 E+03	1.89 E+04	12/31/89	Nov 1, 1967	Nov 1, 1967	573136
23	216-B-61	Liquid				1.75 E+03								573137
24	216-B-62	Liquid	500.0	10.0		5.00 E+03	9.50 E+02	18.0	7.10 E+03	2.82 E+08	12/31/89	Nov 1, 1973		573136
25	216-B-63	Liquid	1400.0	4.0		5.60 E+03	5.90 E+02	10.0	1.10 E+04	7.22 E+09		Mar 1, 1970		
26	216-B-64	Liquid	142.0	20.0		2.84 E+03		15.0				never used		573136
27	216-B-7A&B	Liquid					4.30 E+02	14.0	1.30 E+03	4.36 E+07	12/31/89	Oct 1, 1946	May 1, 1967	573137
28	216-B-8	Liquid					4.50 E+03	23.0	1.90 E+04	2.72 E+07	12/31/89	Apr 1, 1948	Jul 1, 1953	573137
29	216-B-9	Liquid	194.0	64.0		1.24 E+04	1.60 E+03	30.0	6.50 E+03	3.60 E+07	12/31/89	Aug 1, 1948	Jul 1, 1951	573136
30	216-C-1	Liquid	27.0	12.0		3.24 E+02	1.50 E+02	13.0	5.50 E+02	2.34 E+07	12/31/89	Jan 1, 1953	Jun 1, 1957	574136
31	216-C-10	Liquid	32.0	5.0		1.60 E+02	6.60 E+01	7.0	9.50 E+01	8.97 E+05	12/31/89	Nov 1, 1964	Oct 1, 1969	574136
32	216-C-2	Liquid			12.0			40.0				Jan 1, 1953	May 16, 1988	574136
33	216-C-3	Liquid	50.0	10.0		5.00 E+02	3.10 E+01	10.0	5.60 E+02	5.00 E+06	12/31/89	Jan 1, 1953	Mar 1, 1954	574136
34	216-C-4	Liquid	20.0	10.0		2.00 E+02	8.60 E+01	16.0	4.40 E+02	1.70 E+05	12/31/89	Jul 1, 1955	May 1, 1965	574136
35	216-C-5	Liquid	20.0	10.0		2.00 E+02	8.60 E+01	16.0	4.40 E+02	3.79 E+04	12/31/89	Mar 1, 1955	Jun 1, 1955	574136

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
216-C-6	Liquid	20.0	10.0		2.00 E+02	8.60 E+01	16.0	4.40 E+02	5.30 E+05	12/31/89	Sep 1, 1955	Sep 1, 1964	574136
216-C-7	Liquid	20.0	20.0		4.00 E+02	1.30 E+02	12.0	3.40 E+02	6.01 E+04	12/31/89	May 1, 1961		574136
216-C-9	Liquid	800.0	100.0		8.00 E+04	2.60 E+03	25.0	6.90 E+03	1.03 E+09	12/31/89	Jun 1, 1953		574136
216-N-1	Liquid	500.0	100.0		5.00 E+04		3.0		9.46 E+08		Sep 1, 1944	Jun 1, 1952	569140
216-N-2	Liquid	50.0	10.0		5.00 E+02	1.30 E+01	7.0	2.30 E+02	7.57 E+06	12/31/89	Mar 1, 1947	Apr 1, 1947	569140
216-N-3	Liquid	50.0	20.0		1.00 E+03	1.90 E+01	6.0	3.30 E+02	7.57 E+06	12/31/89	May 1, 1952	Jun 1, 1952	569140
216-N-4	Liquid	500.0	200.0		1.00 E+05	3.10 E+03	3.0	8.70 E+03	9.46 E+08	12/31/89	Sep 1, 1944	Jun 1, 1952	570140
216-N-5	Liquid	80.0	15.0		1.20 E+03	2.30 E+01	6.0	4.20 E+02	7.57 E+06	12/31/89	May 1, 1952	Jun 1, 1952	570140
216-N-6	Liquid	500.0	150.0		7.50 E+04	2.40 E+03	3.0	6.60 E+03	9.46 E+08	12/31/89	Sep 1, 1944	Jun 1, 1952	571140
216-N-7	Liquid	80.0	15.0		1.20 E+03	2.30 E+01	6.0	4.20 E+02	7.57 E+06	12/31/89	May 1, 1952	Jun 1, 1952	571140
216-N-8	Liquid												573141
216-S-1&2	Liquid	90.0	40.0		3.60 E+03	1.70 E+03	35.0	8.70 E+03	1.60 E+08	12/31/89	Jan 1, 1952	Jan 1, 1956	566134
216-S-10D	Liquid	2250.0	6.0		1.35 E+04	2.20 E+03	6.0		4.34 E+09	12/31/89	Aug 1, 1951	Oct 1, 1991	566133
216-S-10P	Liquid				2.18 E+05	7.10 E+03					Feb 1, 1954	Oct 1, 1984	566133
216-S-11	Liquid				6.53 E+04	2.10 E+03		5.70 E+03	2.23 E+09	12/31/89	May 1, 1954	Aug 1, 1965	566133
216-S-12	Liquid	90.0	20.0		1.80 E+03	6.60 E+01	10.0	1.20 E+03	6.81 E+04	12/31/89	Jul 1, 1954	Jul 1, 1954	567134
216-S-13	Liquid	40.0	40.0		1.60 E+03	7.70 E+02	34.0	5.20 E+03	5.00 E+06	12/31/89	Jan 1, 1952	Jul 1, 1972	567134
216-S-14	Liquid	100.0	8.0		8.00 E+02		6.0			4/1/86	Dec 1, 1951	Jan 1, 1952	567133
216-S-15	Liquid	35.0	5.0		1.75 E+02		5.0		1.00 E+04		Dec 1, 1951	Oct 1, 1952	566134
216-S-16D	Liquid	3000.0	4.0		1.20 E+04	2.00 E+03	3.0	7.70 E+02	4.00 E+08		Jan 1, 1957	Feb 1, 1975	565133
216-S-16P	Liquid				1.35 E+06	4.30 E+04	3.0	7.70 E+04	4.07 E+10	12/31/89	Jan 1, 1957	Feb 1, 1975	565133
216-S-17	Liquid	958.0	958.0		9.15 E+05	2.40 E+04	10.0	8.50 E+04	6.44 E+09	12/31/89	Oct 1, 1951	Apr 1, 1954	566133
216-S-172	Liquid										1956	1976	566133
216-S-18	Liquid	125.0	15.0		1.88 E+03		10.0			12/31/89	Oct 1, 1954	Oct 1, 1954	567134
216-S-19	Liquid				1.52 E+05	5.00 E+03			1.33 E+09	12/31/89	Feb 1, 1952	Oct 1, 1984	567133
216-S-20	Liquid	90.0	40.0		3.60 E+03	1.50 E+03	30.0	5.80 E+03	1.35 E+08	12/31/89	Jan 1, 1952	May 1, 1973	567133
216-S-21	Liquid	50.0	50.0		2.50 E+03	1.10 E+03	21.0	2.20 E+03	8.71 E+07	12/31/89	Nov 1, 1954	Feb 1, 1969	566134
216-S-22	Liquid	100.0	3.5		3.50 E+02	1.70 E+02	10.0	5.00 E+02	9.84 E+04	12/31/89	Oct 1, 1957	1967	567133
216-S-23	Liquid	360.0	10.0		3.60 E+03	3.10 E+02	27.0	1.20 E+04	3.41 E+07	12/31/89	Jan 1, 1969	Jul 1, 1972	567134
216-S-25	Liquid	575.0	10.0		5.75 E+03	1.10 E+03	10.0	2.60 E+03	2.88 E+08	12/31/89	Nov 1, 1973	active	566134
216-S-26	Liquid	420.0	10.0		4.20 E+03		12.0		1.64 E+08	12/31/89	Oct 1, 1984	active	567133
216-S-3	Liquid					3.60 E+01	6.0	1.80 E+02	4.20 E+06	12/31/89	Sep 1, 1953	Aug 1, 1956	566134
216-S-4	Liquid						20.0		1.00 E+06	4/1/86	Aug 1, 1953	Aug 1, 1956	566134
216-S-5	Liquid	210.0	210.0		4.41 E+04	1.30 E+04	15.0	1.20 E+04	4.10 E+09	12/31/89	Mar 1, 1954	Mar 1, 1957	566133
216-S-6	Liquid	210.0	210.0		4.41 E+04	1.30 E+04	15.0	1.20 E+04	4.47 E+09	12/31/89	Nov 1, 1954	Jul 1, 1972	566133

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1 2	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	216-S-7	Liquid	100.0	50.0		5.00 E+03	1.10 E+03	22.0	4.90 E+03	3.90 E+08	12/31/89	Jan 1, 1956	Jul 1, 1965	567134
2	216-S-8	Liquid	100.0	60.0		6.00 E+02	6.00 E+02	25.0	1.10 E+04	1.00 E+07	12/31/89	Nov 1, 1951	Feb 1, 1952	566134
3	216-S-9	Liquid	300.0	30.0		9.00 E+03	1.80 E+03	30.0	1.40 E+04	5.03 E+07	12/31/89	Jul 1, 1965	Jan 1, 1969	567134
4	216-T-1	Liquid	1825.0	3.0		5.48 E+03	2.20 E+03	10.0		1.78 E+08	12/31/89	Nov 1, 1944		566136
5	216-T-10	Liquid	50.0	10.0		5.00 E+02		6.0				Jun 1, 1951	Mar 1, 1954	567136
6	216-T-11	Liquid	50.0	10.0		5.00 E+02		6.0				Jun 1, 1951	Mar 1, 1954	567136
7	216-T-12	Liquid	15.0	10.0		1.50 E+02	9.90 E+00	8.0	1.70 E+02	5.00 E+06	12/31/89	Nov 1, 1954	Nov 1, 1954	567136
8	216-T-13	Liquid	20.0	20.0		4.00 E+02		8.0				Jun 1, 1954	Jun 1, 1964	566136
9	216-T-14	Liquid	275.0	10.0		2.75 E+03	1.10 E+02	10.0	1.90 E+03	1.00 E+06	12/31/89	Jan 1, 1954	Jan 1, 1954	566136
10	216-T-15	Liquid	275.0	10.0		2.75 E+03	1.20 E+02	10.0	2.10 E+03	1.00 E+06	12/31/89	Jan 1, 1954	Feb 1, 1954	566136
11	216-T-16	Liquid	275.0	10.0		2.75 E+03	1.20 E+02	10.0	2.10 E+03	1.00 E+06	12/31/89	Feb 1, 1954	Feb 1, 1954	566136
12	216-T-17	Liquid	275.0	10.0		2.75 E+03	1.20 E+02	10.0	2.10 E+03	7.85 E+05	12/31/89	Feb 1, 1954	Jun 1, 1954	566136
13	216-T-18	Liquid	30.0	30.0		9.00 E+02	5.90 E+02	15.0	7.60 E+02	1.00 E+06	12/31/89	Dec 8, 1953	Dec 21, 1953	566136
14	216-T-19	Liquid					4.50 E+03		3.70 E+04	4.55 E+08	12/31/89	Sep 1, 1951	Jul 24, 1980	566135
15	216-T-2	Liquid			0.5			75.0		6.00 E+06		Jan 1, 1945	May 1, 1950	567136
16	216-T-20	Liquid	10.0	10.0		1.00 E+02	2.00 E+00	4.0	3.80 E+01	1.89 E+04	12/31/89	Nov 1, 1952	Nov 1, 1952	567136
17	216-T-21	Liquid	240.0	10.0		2.40 E+03	1.20 E+02	10.0	2.10 E+03	4.60 E+05	12/31/89	Jun 1, 1954	Aug 1, 1954	566136
18	216-T-22	Liquid	240.0	10.0		2.40 E+03	1.20 E+02	10.0	2.10 E+03	1.53 E+06	12/31/89	Jul 1, 1954	Aug 1, 1954	566136
19	216-T-23	Liquid	240.0	10.0		2.40 E+03	1.20 E+02	10.0	2.10 E+03	1.48 E+06	12/31/89	Jul 1, 1954	Aug 1, 1954	566136
20	216-T-24	Liquid	240.0	10.0		2.40 E+03	1.20 E+02	10.0	2.10 E+03	1.53 E+06	12/31/89	Aug 1, 1954	Aug 1, 1954	566136
21	216-T-25	Liquid	180.0	10.0		1.80 E+03	8.90 E+01	10.0	1.60 E+03	3.00 E+06	12/31/89	Sep 1, 1954	Sep 1, 1954	566136
22	216-T-26	Liquid	30.0	30.0		9.00 E+02	4.60 E+02	15.0	4.10 E+02	1.20 E+07	12/31/89	Aug 1, 1955	Nov 1, 1956	566136
23	216-T-27	Liquid	30.0	30.0		9.00 E+02	4.60 E+02	15.0	4.10 E+02	7.19 E+06	12/31/89	Sep 1, 1965	Nov 1, 1965	566136
24	216-T-28	Liquid	30.0	30.0		9.00 E+02	4.60 E+02	15.0	4.10 E+02	4.23 E+07	12/31/89	Feb 1, 1960	Feb 1, 1966	566136
25	216-T-29	Liquid	100.0	48.0		4.80 E+03		13.0		7.40 E+04		Mar 1, 1949	Mar 1, 1964	567136
26	216-T-3	Liquid					2.90 E+00		1.80 E+03	1.13 E+07	12/31/89	Jun 1, 1945	Aug 1, 1946	567136
27	216-T-31	Liquid			3.0							Oct 1, 1954	Feb 1, 1962	566136
28	216-T-32	Liquid	68.0	14.0		9.52 E+02	4.60 E+02	26.0	4.60 E+03	2.90 E+07	12/31/89	Nov 1, 1946	May 1, 1952	566136
29	216-T-33	Liquid	30.0	5.0		1.50 E+02	6.10 E+01	11.0	2.70 E+02	1.90 E+06	12/31/89	Jan 1, 1963	Feb 1, 1963	567136
30	216-T-34	Liquid	200.0	30.0		6.00 E+03	1.20 E+03	16.0	3.70 E+03	1.73 E+07	12/31/89	May 1, 1966	Mar 1, 1967	567137
31	216-T-35	Liquid	450.0	10.0		4.50 E+03	1.40 E+03	15.0	5.00 E+03	5.72 E+06	12/31/89	Mar 1, 1967	Jan 1, 1968	567137
32	216-T-36	Liquid	160.0	10.0		1.60 E+03	4.10 E+02	15.0	1.70 E+03	5.22 E+05	12/31/89	May 1, 1967	Feb 1, 1969	566136
33	216-T-4-1D	Liquid	850.0	8.0		6.80 E+03	8.90 E+02	4.0				Nov 1, 1944	May 1, 1972	
34	216-T-4-2	Liquid	1750.0	8.0		1.40 E+04	8.90 E+02	4.0				May 1, 1972		
35	216-T-4A	Liquid	1800.0	600.0		1.08 E+06	2.40 E+04	4.0		4.25 E+10		Nov 1, 1944	May 1, 1972	566137

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	216-T-4B	Liquid	1800.0	600.0		1.08 E+06	2.40 E+04	4.0			12/31/89	May 1, 1972		566137
2	216-T-5	Liquid	50.0	10.0		5.00 E+02	4.40 E+01	12.0	7.90 E+02	2.60 E+06	12/31/89	May 1, 1955	May 1, 1955	566136
3	216-T-6	Liquid	28.0	28.0		7.84 E+02	2.90 E+02	25.0	2.60 E+03	4.50 E+07	12/31/89	Aug 1, 1946	Jun 1, 1951	567136
4	216-T-7	Liquid					4.50 E+03		2.60 E+04	1.10 E+08	12/31/89	Apr 1, 1948	Nov 1, 1955	566136
5	216-T-8	Liquid	28.0	28.0		7.84 E+02	2.20 E+02	20.0	2.10 E+03	5.00 E+05	12/31/89	May 1, 1950	Sep 1, 1951	567136
6	216-T-9	Liquid	50.0	10.0		5.00 E+02		6.0				Feb 1, 1951	Mar 1, 1954	567136
7	216-U-1&2	Liquid	78.0	28.0		2.18 E+03	2.20 E+02	24.0	2.10 E+03	4.62 E+07	12/31/89	Nov 1, 1951	6/67 (Crib 1)	567135
8	216-U-10	Liquid				9.58 E+05	1.90 E+02			1.65 E+11	12/31/89	Jul 1, 1944	1985	566134
9	216-U-11	Liquid					3.40 E+03	7.0			1957	Nov 1, 1944	1957	565134
10	216-U-12	Liquid	100.0	10.0		1.00 E+03	2.20 E+03	13.0	2.70 E+03	1.50 E+08	12/31/89	Apr 1, 1960	Jan 31, 1988	567134
11	216-U-13	Liquid	200.0	20.0		4.00 E+03	6.40 E+02	18.0	1.10 E+04	1.14 E+04	12/31/89	Mar 1, 1952	Mar 1, 1956	566135
12	216-U-14	Liquid	5680.0	8.0		4.54 E+04	4.90 E+03					Jul 1, 1944	active	566134
13	216-U-15	Liquid	20.0	20.0		4.00 E+02	5.40 E+01	15.0	9.70 E+02	6.81 E+04	12/31/89	May 1, 1957	May 1, 1957	567135
14	216-U-16	Liquid	262.0	191.0		5.00 E+04				4.09 E+08	12/31/89	Jul 20, 1984	1987	567134
15	216-U-17	Liquid								2.11 E+06	12/31/89	Jan 31, 1988		567134
16	216-U-3	Liquid			6.0		1.00 E+01	12.0	1.60 E+02	7.91 E+05	12/31/89	May 1, 1954	Aug 1, 1955	566134
17	216-U-4	Liquid			0.5			75.0		3.00 E+05		Mar 1, 1947	Aug 1, 1955	567135
18	216-U-4A	Liquid			4.3		4.40 E+00	10.0	7.40 E+01	5.45 E+05	12/31/89	Jul 1, 1955	Jul 1, 1970	567135
19	216-U-4B	Liquid			3.0		6.80 E-01	10.0	1.70 E+02	3.30 E+04	12/31/89	Jan 1, 1960	Sep 1, 1968	567135
20	216-U-5	Liquid	40.0	35.0		1.40 E+03	2.70 E+01	10.0	4.80 E+02	2.25 E+06	12/31/89	Mar 1, 1952	Mar 1, 1952	567135
21	216-U-6	Liquid	75.0	10.0		7.50 E+02	4.20 E+01	10.0	7.60 E+02	2.25 E+06	12/31/89	Mar 1, 1952	Mar 1, 1952	567135
22	216-U-7	Liquid			2.5			17.0		7.00 E+03		Mar 1, 1952	Jun 1, 1957	567135
23	216-U-8	Liquid	160.0	50.0		8.00 E+03	3.90 E+03	31.0	1.00 E+04	3.79 E+08	12/31/89	Jun 1, 1952	Mar 1, 1960	567134
24	216-U-9	Liquid	3500.0	6.0		2.10 E+04	2.80 E+03	6.0	9.00 E+03			Dec 1, 1952	Apr 1, 1954	566133
25	216-W-LWC	Liquid						20.0		1.20 E+09	12/31/89	Sep 7, 1981		567135
26	216-Z-1&2	Liquid	30.0	30.0		9.00 E+02	8.30 E+03	21.0	2.50 E+03	3.37 E+07	12/31/89	Jun 1, 1949	Apr 1, 1969	566135
27	216-Z-10	Liquid			0.5		1.70 E-01	150.0	1.30 E+03	1.00 E+06	6/1/45	Feb 1, 1945	Jun 1, 1945	566135
28	216-Z-11	Liquid	2615.0	4.0		1.05 E+04	5.50 E+02	2.0	5.40 E+01		4/1/86	Mar 1, 1959	May 1, 1971	566134
29	216-Z-12	Liquid	300.0	20.0		6.00 E+03	5.40 E+03	20.0	1.10 E+04	2.81 E+08	12/31/89	Mar 1, 1959	May 1, 1973	566135
30	216-Z-13	Liquid			3.0			15.0				Jun 1, 1949	active	566135
31	216-Z-14	Liquid			3.0			15.0				Jun 1, 1949	active	566135
32	216-Z-15	Liquid			3.0			22.0				Jun 1, 1949	active	566135
33	216-Z-16	Liquid	180.0	10.0		1.80 E+03	4.60 E+02	15.0	2.10 E+03	1.02 E+08	1/1/77	Mar 1, 1968	Jan 1, 1977	566135
34	216-Z-17	Liquid	200.0	10.0		2.00 E+03	2.00 E+02	8.0	3.60 E+03	3.68 E+07	2/1/68	Feb 1, 1967	Feb 1, 1968	566135
35	216-Z-18	Liquid					5.70 E+03		1.70 E+04	3.86 E+06	5/1/73	Apr 1, 1969	May 1, 1973	566135

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	216-Z-19	Liquid	2765.0	4.0		1.11 E+04	7.30 E+01	4.0			4/1/86	May 1, 1971	Sep 24, 1981	566134
2	216-Z-1A	Liquid								5.21 E+06	12/31/89	1949	1969	566135
3	216-Z-1D	Liquid	4250.0	4.0		1.70 E+04	3.80 E+01	2.0	4.80 E+01	1.00 E+06	4/1/86	Dec 1, 1944	Mar 1, 1959	566134
4	216-Z-20	Liquid	1519.0	10.0		1.52 E+04	2.40 E+03		6.00 E+04	3.80 E+09	12/31/89	Sep 24, 1981	active	566135
5	216-Z-3	Liquid	70.0	5.0		3.50 E+03	1.50 E+03	25.0	1.70 E+03	1.78 E+08	12/31/89	Jun 1, 1952	Mar 1, 1959	566135
6	216-Z-4	Liquid	10.0	10.0		1.00 E+02	5.60 E+01	15.0	7.80 E+02	1.10 E+04	12/31/89	Jun 1, 1945	Jun 1, 1945	566135
7	216-Z-5	Liquid					2.10 E+02		2.00 E+03	3.10 E+07	12/31/89	Jun 1, 1945	Feb 1, 1947	566135
8	216-Z-6	Liquid	52.0	8.5		4.42 E+02	4.40 E+01	8.0	4.20 E+02	9.80 E+04	12/31/89	Jun 1, 1945	Jun 1, 1945	566135
9	216-Z-7	Liquid	210.0	44.0		9.24 E+03	5.90 E+02	5.0	1.70 E+04	7.99 E+07	12/31/89	Feb 1, 1947	Feb 1, 1967	566135
10	216-Z-8	Liquid			3.0		5.80 E+01	17.0	2.50 E+02	9.59 E+03	4/1/62	Jul 1, 1955	Apr 1, 1962	566135
11	216-Z-9	Liquid	60.0	30.0		1.80 E+03	5.10 E+03	21.0	6.10 E+03	4.09 E+06	12/31/89	Jul 1, 1955	Jun 1, 1962	566135
12	218-C-9	Solid	283.0	283.0		1.83 E+05	2.60 E+03	22.0	6.90 E+03	2.27 E+03	12/31/90	1985		574136
13	218-E-1	Solid	486.0	290.0		1.41 E+05	3.00 E+03	9.0	8.20 E+03	3.03 E+03	12/31/90	1945	1953	574135
14	218-E-12A	Solid	1188.0	40.0		4.75 E+04	8.31 E+04	16.0	1.30 E+05	1.52 E+04	12/31/90	1953	1967	574136
15	218-E-13	Solid	20.0	15.0		3.00 E+02	1.84 E+02	8.0	1.75 E+02					574135
16	218-E-2	Solid	541.0	441.0		2.39 E+05	1.15 E+04	15.0	1.48 E+04	9.03 E+03		1945	1953	573137
17	218-E-2A	Solid	350.0	25.0		8.75 E+03	2.90 E+03	15.0	2.78 E+03		1955	1945	1955	573136
18	218-E-3	Solid	42.0	30.0		1.26 E+03	7.60 E+01	6.0	1.81 E+02			1954	1954	572134
19	218-E-4	Solid	780.0	200.0		1.56 E+05	5.92 E+03	15.0	6.91 E+03	1.59 E+03	12/31/90	Feb 1, 1955	1956	573136
20	218-E-5	Solid	340.0	131.0		4.45 E+04	1.67 E+04	15.0	1.89 E+04	3.17 E+03	12/31/90	1954	1956	573137
21	218-E-5A	Solid	120.0	100.0		1.20 E+04	2.20 E+03	15.0	1.30 E+03	6.17 E+03	12/31/90	1956	1959	573137
22	218-E-6	Solid							1.20 E+01			Fall 1955	Fall 1955	573136
23	218-E-7	Solid					1.46 E+03		4.56 E+02	1.70 E+02	12/31/90	1947	1952	573136
24	218-E-8	Solid	400.0	115.0		4.60 E+04	1.83 E+04	15.0	1.68 E+04	2.27 E+03	12/31/90	1958	1959	575137
25	218-E-9	Solid	427.0	100.0		4.27 E+04	1.18 E+04	5.0	8.45 E+03			1953	1958	573137
26	218-W-1	Solid	521.0	458.0		2.39 E+05	8.98 E+03	9.0	2.10 E+03	7.16 E+03	12/31/90	1944	1953	566136
27	218-W-11	Solid	500.0	200.0		1.00 E+05	3.09 E+02	15.0	7.93 E+02	1.16 E+03	12/31/90	1960	1960	566136
28	218-W-1A	Solid	864.0	755.0		6.52 E+05	2.04 E+04	25.0	8.08 E+03	1.37 E+04	12/31/90	1944	Mar 1, 1954	567137
29	218-W-2	Solid	589.0	521.0		3.07 E+05	2.29 E+04	16.0	2.45 E+04	8.24 E+03	12/31/90	Jan 1, 1953	Dec 1, 1956	566136
30	218-W-2A	Solid					9.48 E+04	25.0	1.04 E+05	2.51 E+04	12/31/90	Mar 1, 1954	1985	566136
31	218-W-3	Solid	716.0	510.0		3.65 E+05	2.53 E+04	15.0	5.93 E+04	1.09 E+04	12/31/90	Jan 1, 1957	Jul 1, 1961	566136
32	218-W-4A	Solid					2.65 E+04	16.0	8.53 E+04	1.77 E+04	12/31/90	1958	1968	566136
33	218-W-7	Solid			12.0		4.00 E+00	25.5	2.00 E+01	1.59 E+02	12/31/90	1952	1960	567136
34	218-W-8	Solid			8.0		5.40 E+01	28.0	1.05 E+03	6.80 E+01	12/31/90	1945	1952	567136
35	218-W-9	Solid	140.0	98.0		1.37 E+04	4.03 E+03	12.0	3.32 E+03	4.86 E+02	12/31/90	Sep 1, 1954	Sep 1, 1954	567134

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1 Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
240-S-151	Liquid										1950	Mar 1, 1987	567134
240-S-152	Liquid										1977	1980	567134
240-S-302	Liquid										1950	Mar 1, 1987	567134
241-A-151	Liquid										1956	active	575135
241-A-302A	Liquid										1956	active	575135
241-A-302B	Liquid												575136
241-B-154	Liquid	36.0	9.0		3.24 E+02		17.0				1945	Jun 1, 1984	573136
241-B-302B	Liquid										1945	Jul 1, 1985	573136
241-B-361	Liquid	19.0		20.0							Apr 1, 1945	Sep 1, 1947	573136
241-BX-154	Liquid	22.0	9.0		1.98 E+02						1948	Jul 1, 1985	573136
241-BX-155	Liquid	20.0	9.0		1.80 E+02						1948	Jun 1, 1984	573136
241-BX-302B	Liquid										1948	Jul 1, 1985	573136
241-BX-302C	Liquid										1948	Jul 1, 1985	573136
241-CX-TK-70	Liquid	15.0		20.0							1952	1957	574136
241-CX-TK-71	Liquid	9.0		9.0							Dec 1, 1952	Jun 1, 1957	574136
241-CX-TK-72	Liquid	35.7	4.0		1.43 E+02						1957	1976	574136
241-ER-151	Liquid										1945	active	573136
241-ER-152	Liquid										1945		573136
241-ER-311	Liquid										1945		573136
241-S-151	Liquid	56.0	10.0		5.60 E+02		17.0				1952	active	566134
241-S-302A	Liquid										1952	inactive	566134
241-SX-302	Liquid										1954	1983	566134
241-T-361	Liquid	19.0		20.0								1976	567136
241-TX-152	Liquid										1949	active	567136
241-TX-154	Liquid										1949	active	567136
241-TX-155	Liquid										1949	Dec 1, 1980	567136
241-TX-302B	Liquid										1949	1982	567136
241-TX-302BR	Liquid	32.8		8.0							Early 1950's	Dec 4, 1984	
241-TX-302C	Liquid										1949	active	567136
241-U-361	Liquid	19.0		20.0							1951	1957	
241-UX-154	Liquid	52.5	6.0		3.15 E+02						1946		567135
241-UX-302A	Liquid												
241-WR VAULT	Liquid	128.0	66.0		8,45 E+03							1976	567135
241-Z-361	Liquid	28.0	15.0		4.20 E+02						1949	1976	566135
2607-E1	Liquid	25.0	10.5		2.63 E+02						1970	active	573135

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1 2	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	2607-E3	Liquid	21.0	9.0		1.89 E+02						1944		573136
2	2607-E4	Liquid	4.0	2.0		8.00 E+00						1944		573136
3	2607-E5	Liquid	21.0	9.0		1.89 E+02						1944	active	574136
4	2607-E6	Liquid										1954		574135
5	2607-E7A	Liquid	4.0	2.0		8.00 E+00						1983	active	574136
6	2607-E7B	Liquid											active	573135
7	2607-E8	Liquid										1978	active	573135
8	2607-E9	Liquid										1951	active	573137
9	2607-EA	Liquid										1976	active	575136
10	2607-EC	Liquid										1955		575135
11	2607-EH	Liquid										1983	active	573135
12	2607-EK	Liquid										1980	active	573135
13	2607-EL	Liquid										1983		575135
14	2607-EM	Liquid										1984	active	572135
15	2607-EP	Liquid										1984	active	572135
16	2607-EQ	Liquid										1985	active	573135
17	2607-ER	Liquid												572135
18	2607-FSN	Liquid										1960	active	570135
19	2607-GF	Liquid												574135
20	2607-W1	Liquid	25.0	10.5		2.63 E+02						1944		567135
21	2607-W2	Liquid	14.0	7.0		9.80 E+01						1980	active	568135
22	2607-W3	Liquid	21.0	9.0		1.89 E+02						1944	active	566136
23	2607-W4	Liquid	4.0	2.0		8.00 E+00						1944	active	567136
24	2607-W5	Liquid	21.0	9.0		1.89 E+02						1944	active	567134
25	2607-W6	Liquid										1951	active	567133
26	2607-W7	Liquid	4.0	2.0		8.00 E+00						1954		567135
27	2607-W8	Liquid	12.5	6.0		7.50 E+01						1959	active	566135
28	2607-W9	Liquid										1950	active	566134
29	2607-WA	Liquid										1968	active	566135
30	2607-WT	Liquid										1952	active	566136
31	2607-WWA	Liquid										1955	active	565135
32	2607-WZ	Liquid										1944	active	566134
33	2607-Z	Liquid											active	566135
34	2607-Z8	Liquid										1965	active	566135
35	270-E CNT	Liquid			9.0								1976	573136

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
2														
1	270-W	Liquid	9.0		9.0			10.0				1952	1960	
2	2904-S-160	Liquid										1954	1976	566133
3	2904-S-170	Liquid	15.0	7.0		1.05 E+02						1954	1976	567133
4	2904-S-171	Liquid	13.0	12.0		1.56 E+02						1954	1976	566133
5	299-E24-111	Liquid										Sep 22, 1980	Feb 2, 1981	574135
6	300 ASH PITS	Solid										1975	active	594115
7	300 FBP	Liquid										Apr 14, 1987	active	594115
8	300 IFBD	Liquid					2.79 E+05		5.46 E+05			Jan 7, 1987	Apr 14, 1987	593116
9	300 RFBP	Liquid										1975	Jan 1, 1987	594116
10	300 RLWS 340 C	Liquid					1.44 E+03		2.04 E+05			1954	active	594115
11	300 RRLWS	Liquid					5.80 E+03		2.37 E+06			1954	1975	594115
12	300 SSS	Liquid										1975	active	594116
13	300 VTS	Solid										1983	1986	593116
14	307 RB	Liquid					5.50 E+02		7.27 E+04				active	593115
15	309-TW-1	Liquid					3.81 E+01		1.66 E+05			1960	1973	594115
16	309-TW-2	Liquid					3.90 E+01		1.66 E+05			1960	1973	594115
17	309-TW-3	Liquid					3.17 E+01		1.42 E+05			1960	1973	594115
18	315 RSDF	Liquid					1.43 E+03		2.04 E+05			1950	1978	594115
19	316-1	Liquid	600.0	375.0		2.25 E+05		9.0		1.00 E+10	4/1/86	1945	May 1, 1975	594116
20	316-2	Liquid	620.0	600.0		3.72 E+05		10.0		1.00 E+10	4/1/86	1949	May 1, 1974	594116
21	316-3	Liquid	600.0	10.0		6.00 E+03	1.07 E+04	20.0	5.95 E+05	1.00 E+09		1953	1963	594115
22	316-4	Liquid					8.06 E+01		8.51 E+04	2.00 E+05		1948	1955/1956	591122
23	316-5	Liquid								5.03 E+10	12/31/89	May 1, 1975	active	594116
24	331 LSLDF	Liquid					4.84 E+01		1.17 E+04			1970	1974	594115
25	331 LSLT1	Liquid					6.33 E+01		9.68 E+03			1966	1969	
26	331 LSLT2	Liquid					6.33 E+01		9.68 E+03			1969	1974	
27	335 & 336 RSDF	Liquid					1.43 E+03		2.04 E+05			1973	1978	594115
28	400 FD10	Liquid			4.0		2.17 E+01		1.97 E+04			1979	active	587123
29	400 FD10A	Liquid			4.0		2.17 E+01		1.97 E+04			1979	active	587123
30	400 FD1A	Liquid			4.0		2.17 E+01		1.97 E+04			1979	active	587123
31	4713-B FD	Liquid			4.0		2.17 E+01		1.97 E+04			1979	active	587123
32	4722-B FD	Liquid			4.0		2.17 E+01		1.97 E+04			1979	active	587122
33	4722-C FD	Liquid			4.0		2.17 E+01		1.97 E+04			1979	active	587122
34	600 AMBS	Solid	2.0	3.0		6.00 E+00		2.0				1971	1976	559138
35	600 BPHWSA	Liquid										1984	active	571136

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

1 Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
2													
1 600 CL	Solid										Jul 1, 1973	active	578131
2 600 ESHWSA	Liquid										1983	1987	564135
3 600 ESST	Liquid										1981	1988	564135
4 600 NDWL	Solid										1980	May 20, 1988	578132
5 600 NSTFST	Liquid										1981	inactive	573142
6 600 NSTFUT	Liquid										1981	1988	574142
7 600 OCL	Solid	300.0	50.0		1.50 E+04		15.0				1973	1973	581132
8 618-1	Solid	320.0	150.0		4.80 E+04	7.69 E+03	20.0	6.14 E+05		4/1/86	1944	1951	594116
9 618-10	Solid	500.0	500.0		2.50 E+05	1.04 E+05	25.0	3.68 E+06		4/1/86	Mar 1, 1954	Sep 1, 1963	590121
10 618-11	Solid	1000.0	375.0		3.75 E+05	7.61 E+04	15.0	3.45 E+06		4/1/86	Mar 1, 1962	Dec 1, 1967	589127
11 618-12	Solid	400.0	200.0		8.00 E+04		8.0				1949	1964	594116
12 618-13	Solid					3.85 E+03		2.18 E+04			1950	1974	592116
13 618-2	Solid	350.0	215.0		7.53 E+04	8.64 E+03	15.0	1.38 E+06		4/1/86	1951	1954	594116
14 618-3	Solid	350.0	165.0		5.78 E+04	2.79 E+04	15.0	3.45 E+05			1954	1955	593116
15 618-4	Solid	570.0	220.0		7.53 E+04		15.0				1955	1961	594117
16 618-5	Solid	300.0	18.0		5.40 E+03		15.0			4/1/86	1945	1962	594116
17 618-6	Solid										1944	1946	594115
18 618-7	Solid	1120.0	650.0		7.28 E+05	1.83 E+05	12.0	5.62 E+06		4/1/86			592116
19 618-8	Solid	600.0	100.0		6.00 E+04	8.92 E+03	15.0	8.70 E+05		4/1/86	1943	1944	593116
20 618-9	Solid	180.0	40.0		7.20 E+03	1.78 E+03	15.0	9.61 E+04		4/1/86	1950	1954-1956	592116
21 622-1	Solid	100.0	100.0		1.00 E+04								
22 622-R ST	Liquid										1965	active	569137
23 628-1	Solid					3.69 E+03						inactive	579147
24 628-2	Solid											1985	572145
25 628-3	Solid	250.0	40.0		1.00 E+04	3.69 E+03							
26 628-4	Solid										1962		594116
27 6607-1	Liquid										1940's	1950's	576133
28 6607-2	Liquid										1940's	1950's	576130
29 B PLANT FILTER	Liquid										Apr 15, 1945	active	573136
30 CFTN 2703-E	Liquid											inactive	573135
31 EWBCL	Solid	100.0	100.0		1.00 E+04	3.44 E+03	10.0				1850	1943	579148
32 HSVP	Liquid											inactive	574136
33 HTCL	Solid	100.0	100.0		1.00 E+04						1943	1945	586138
34 HTL	Solid	200.0	200.0		4.00 E+04		20.0				1850	1943	585139
35 JA JONES 1	Solid	100.0	50.0		5.00 E+03	1.88 E+03	10.0	9.16 E+03			1975	1979	

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	JA JONES 2	Solid	30.0	30.0		9.00 E+02	8.92 E+02	15.0				1948	1955	577149
2	OCSA	Solid											inactive	570138
3	P-11	Liquid	8.0	8.0		6.40 E+01		5.0				1951	Dec 1, 1951	581142
4	RRCWP	Solid	40.0	6.0		2.40 E+02		3.0				1940's	inactive	559143
5	SDBDL	Solid	100.0	50.0		5.00 E+03		10.0				1945	1945	576151
6	TFS OF 218-E-4	Liquid												
7	UPR-100-F-1	Liquid	40.0	40.0		1.60 E+03	3.22 E+02		8.25 E+03	6.44 E+04	4/1/86	1945	1975	580147
8	UPR-100-K-1	Liquid					1.64 E+03		3.45 E+04			1979	1979	569146
9	UPR-100-N-1	Liquid				1.50 E+02	5.84 E+01		6.06 E+03	1.14 E+05		Mar 27, 1974	inactive	570148
10	UPR-100-N-10	Liquid	10.0	10.0		1.00 E+02	4.60 E+01		5.47 E+03	3.79 E+02	1975	May 13, 1975		571149
11	UPR-100-N-11	Liquid					6.82 E+00							570148
12	UPR-100-N-12	Liquid	2.0	3.0			1.68 E+01	1.5	3.78 E+03	9.46 E+05	1979	Feb 27, 1979		571149
13	UPR-100-N-13	Liquid					3.36 E+00		5.77 E+02	2.84 E+02	1973	Sep 24, 1973		571149
14	UPR-100-N-14	Liquid				8.00 E+02	1.81 E+02		9.99 E+03	2.65 E+02	1974	Aug 5, 1974		571149
15	UPR-100-N-15	Liquid					3.24 E+01		4.78 E+03		1981	Mar 20, 1981		571149
16	UPR-100-N-17	Liquid					8.15 E+01		7.87 E+03	3.03 E+05	1966	Aug 1, 1966		571149
17	UPR-100-N-18	Liquid					8.15 E+01		7.87 E+03	7.57 E+02	1973	Aug 1, 1973		571149
18	UPR-100-N-19	Liquid					8.15 E+01		7.87 E+03	7.57 E+03	1984	Apr 1, 1984		571149
19	UPR-100-N-2	Liquid	17.0	17.0		3.00 E+02	8.76 E+01	10.0	4.40 E+04	1.14 E+05		Feb 19, 1980		571149
20	UPR-100-N-20	Liquid					8.15 E+01		7.87 E+03	7.57 E+02	1985	Jun 1, 1985		571149
21	UPR-100-N-21	Liquid					8.15 E+01		7.87 E+03	3.03 E+03	1986	Apr 25, 1986		571149
22	UPR-100-N-22	Liquid					8.15 E+01		7.87 E+03	3.79 E+03	1986	Jun 23, 1986		571149
23	UPR-100-N-23	Liquid					8.15 E+01		7.87 E+03	7.57 E+02	1987	Jan 10, 1987		571149
24	UPR-100-N-24	Liquid					8.15 E+01		7.87 E+03		1987	Jan 1, 1987		571149
25	UPR-100-N-25	Liquid					8.15 E+01		7.87 E+03	1.89 E+03	1975	May 15, 1975		571149
26	UPR-100-N-26	Liquid					8.15 E+01		7.87 E+03	3.79 E+03	1978	Dec 7, 1978		571149
27	UPR-100-N-29	Liquid	30.0	4.0			6.37 E+01		6.98 E+03	3.79 E+02	1984	Apr 23, 1984		571149
28	UPR-100-N-3	Liquid			4.0		2.14 E+01	2.5	6.42 E+03	1.36 E+06	1978	Mar 8, 1978		571149
29	UPR-100-N-4	Liquid				1.50 E+03	3.09 E+02		1.31 E+04	5.68 E+03		May 7, 1977		571149
30	UPR-100-N-5	Liquid					8.15 E+01		7.87 E+03	3.41 E+05	1986	Jun 27, 1972		571149
31	UPR-100-N-6	Liquid					8.15 E+01		7.87 E+03	6.81 E+03	1985	Sep 10, 1985		571149
32	UPR-100-N-7	Liquid					8.15 E+01		7.87 E+03	1.91 E+06	1985	Apr 23, 1985		571149
33	UPR-100-N-8	Liquid				2.50 E+01	2.48 E+01		4.33 E+03	3.79 E+02	1975	May 11, 1975		571149
34	UPR-100-N-9	Liquid					8.15 E+01		7.87 E+03	8.33 E+03	1974	Oct 1, 1974		571149
35	UPR-200-E-1	Liquid												573136

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	UPR-200-E-10	Solid										May 1, 1975	active	575135
2	UPR-200-E-103	Liquid										Mar 1, 1972		573136
3	UPR-200-E-11	Solid										1957	active	575135
4	UPR-200-E-112	Solid												573136
5	UPR-200-E-12	Liquid										Dec 1, 1957		575136
6	UPR-200-E-13	Liquid										Dec 1, 1958		575135
7	UPR-200-E-14	Liquid												577136
8	UPR-200-E-140	Liquid								7.60 E+00		Apr 1, 1986		573136
9	UPR-200-E-141	Liquid								2.08 E+02		Sep 1, 1984	inactive	574136
10	UPR-200-E-15	Liquid										Jan 1, 1959		575135
11	UPR-200-E-19	Liquid										1959	inactive	575135
12	UPR-200-E-2	Liquid										Nov 1, 1947		573136
13	UPR-200-E-20	Solid										Nov 1, 1959		575135
14	UPR-200-E-22	Liquid										1959		575135
15	UPR-200-E-25	Liquid										Sep 1, 1960		575135
16	UPR-200-E-26	Liquid										Sep 1, 1960		575135
17	UPR-200-E-28	Liquid										Dec 1, 1961		575135
18	UPR-200-E-3	Liquid										Nov 1, 1951		573136
19	UPR-200-E-31	Liquid										Oct 1, 1961		575135
20	UPR-200-E-33	Solid										Mar 1, 1964		575135
21	UPR-200-E-35	Liquid	20.0	15.0		3.00 E+02		8.0				Oct 1, 1986	Oct 1, 1986	574135
22	UPR-200-E-36	Solid	900.0	450.0		4.05 E+05						Jul 1, 1967	inactive	574136
23	UPR-200-E-37	Solid	600.0									Jul 1, 1967	inactive	574136
24	UPR-200-E-41	Liquid										Jul 1, 1972		573136
25	UPR-200-E-44	Liquid										Aug 1, 1972		573136
26	UPR-200-E-45	Liquid	300.0	100.0		3.00 E+04						Aug 1, 1972		573136
27	UPR-200-E-52	Liquid	4.0	4.0		1.60 E+01		4.0				Aug 1, 1975		573136
28	UPR-200-E-54	Liquid										Jul 1, 1977		573136
29	UPR-200-E-55	Solid	100.0	100.0		1.00 E+04		1.0				Apr 1, 1979		573136
30	UPR-200-E-56	Solid	100.0	100.0		1.00 E+04		10.0						
31	UPR-200-E-61	Liquid												572137
32	UPR-200-E-62	Liquid												575137
33	UPR-200-E-63	Liquid										Jun 1, 1981		573137
34	UPR-200-E-64	Liquid										Oct 1, 1984		573136
35	UPR-200-E-67	Solid										May 1, 1984		575135

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1	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	UPR-200-E-69	Liquid										Jun 1, 1984		573136
2	UPR-200-E-7	Liquid	30.0	30.0		9.00 E+02				1.89 E+04		Apr 1, 1985		573136
3	UPR-200-E-80	Liquid	500.0	100.0		5.00 E+04						Jun 1, 1946		573136
4	UPR-200-E-83	Solid										May 1, 1958	May 1, 1958	573134
5	UPR-200-E-85	Liquid	50.0	50.0		2.50 E+03		15.0				Jul 1, 1972		573136
6	UPR-200-E-87	Liquid	14.8	15.0		2.22 E+02	2.60 E+02		1.80 E+03			1945	1953	573136
7	UPR-200-E-89	Solid										1978		573137
8	UPR-200-E-9	Liquid										1955		573137
9	UPR-200-E-90	Solid										Sep 1, 1980		573136
10	UPR-200-E-92	Solid										Sep 1, 1980		575137
11	UPR-200-E-95	Solid										Sep 1, 1980		573137
12	UPR-200-E-98	Solid										Sep 1, 1980	inactive	574136
13	UPR-200-W-101	Liquid	90.0	65.0		5.85 E+03		3.0						567135
14	UPR-200-W-102	Liquid	50.0	12.0		6.00 E+02		12.0				Feb 1, 1972	inactive	567136
15	UPR-200-W-103	Liquid										Apr 1, 1971	inactive	566135
16	UPR-200-W-108	Liquid										Jan 1, 1969	inactive	567134
17	UPR-200-W-109	Liquid										Jan 1, 1969	inactive	567134
18	UPR-200-W-11	Solid										1952	inactive	566135
19	UPR-200-W-110	Solid										4/14/&4/20/71	inactive	566135
20	UPR-200-W-113	Liquid										mid1950's	inactive	567136
21	UPR-200-W-114	Liquid										1980	inactive	566134
22	UPR-200-W-116	Solid										1968	inactive	567134
23	UPR-200-W-117	Liquid												567135
24	UPR-200-W-118	Liquid												567135
25	UPR-200-W-123	Liquid								7.31 E+04		Jan 1, 1979	inactive	567134
26	UPR-200-W-127	Liquid										Feb 26, 1980		566134
27	UPR-200-W-130	Liquid										Jan 1, 1967	inactive	566135
28	UPR-200-W-132	Liquid				5.70 E+02				1.89 E+03		Jul 1, 1956	inactive	566135
29	UPR-200-W-135	Liquid										Apr 1, 1954	inactive	567136
30	UPR-200-W-137	Liquid	250.0	250.0		6.25 E+04						1953-60	inactive	567136
31	UPR-200-W-14	Liquid										Oct 1, 1952	inactive	566136
32	UPR-200-W-140	Liquid										1960	inactive	566134
33	UPR-200-W-141	Liquid										1962	inactive	566134
34	UPR-200-W-159	Liquid										1985	inactive	566135
35	UPR-200-W-19	Liquid				5.00 E+01						1953	inactive	567134

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Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
UPR-200-W-2	Liquid										1947	inactive	567136
UPR-200-W-23	Solid				3.00 E+02						1953	inactive	566135
UPR-200-W-27	Liquid										Dec 1, 1954	inactive	567136
UPR-200-W-29	Liquid	100.0	75.0		7.50 E+03				3.79 E+03		Nov 1, 1954	inactive	566136
UPR-200-W-3	Solid												567137
UPR-200-W-30	Liquid	90.0	20.0		1.80 E+03		10.0				Jul 1, 1954	inactive	567134
UPR-200-W-32	Liquid										1954	inactive	567134
UPR-200-W-33	Liquid				3.00 E+00								567135
UPR-200-W-34	Liquid										May 1, 1955	inactive	567134
UPR-200-W-35	Liquid										Sep 1, 1955	inactive	567134
UPR-200-W-38	Liquid	30.0	15.0		4.50 E+02		1.0				1956	inactive	567136
UPR-200-W-39	Liquid	50.0	10.0		5.00 E+02		3.0						567135
UPR-200-W-4	Solid												567137
UPR-200-W-41	Solid										Jul 1, 1956	inactive	567134
UPR-200-W-42	Solid										Feb 1, 1957	inactive	567133
UPR-200-W-43	Solid				1.20 E+03						Feb 1, 1957	inactive	567134
UPR-200-W-44	Solid	25.0	20.0		5.00 E+02								
UPR-200-W-46	Liquid										Jan 1, 1958	inactive	566135
UPR-200-W-48	Liquid				1.00 E+03								567135
UPR-200-W-49	Liquid				5.00 E+03						Jul 1, 1958	inactive	567134
UPR-200-W-50	Liquid										Aug 25, 1958	inactive	566134
UPR-200-W-52	Liquid										Sep 15, 1958	inactive	566133
UPR-200-W-55	Liquid												567135
UPR-200-W-56	Liquid										Feb 1, 1961	inactive	567134
UPR-200-W-58	Solid												567137
UPR-200-W-60	Liquid												567135
UPR-200-W-61	Liquid				2.00 E+02								
UPR-200-W-63	Liquid										Sep 1, 1966	inactive	567136
UPR-200-W-65	Liquid												567137
UPR-200-W-67	Solid	24.0	3.0		7.20 E+01						Aug 1, 1970	inactive	567136
UPR-200-W-68	Liquid										Feb 1, 1972	inactive	566134
UPR-200-W-69	Liquid										Mar 1, 1973	inactive	567134
UPR-200-W-7	Liquid										1950	inactive	566136
UPR-200-W-73	Solid	1200.0	20.0		2.40 E+04		1.0				Oct 1, 1974	inactive	567136
UPR-200-W-74	Liquid										May 1, 1976	inactive	566135

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

	Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
1	UPR-200-W-75	Liquid	35.0	35.0		1.23 E+03		1.0				Jan 1, 1975	inactive	566135
2	UPR-200-W-77	Solid												568137
3	UPR-200-W-78	Liquid				4.00 E+01						Aug 1, 1970	inactive	567134
4	UPR-200-W-79	Liquid										Oct 1, 1978	inactive	566135
5	UPR-200-W-8	Solid				1.50 E+02						1950	inactive	567136
6	UPR-200-W-82	Solid										Jan 15, 1980	inactive	566134
7	UPR-200-W-83	Liquid										Nov 1, 1981	inactive	567134
8	UPR-200-W-85	Liquid										Apr 22, 1982	inactive	566133
9	UPR-200-W-86	Solid												
10	UPR-200-W-88	Liquid										May 28, 1984	inactive	568136
11	UPR-200-W-89	Solid										May 1, 1985	inactive	566135
12	UPR-200-W-90	Solid										May 1, 1985	inactive	566135
13	UPR-200-W-91	Solid										Nov 1, 1985	inactive	566135
14	UPR-200-W-98	Liquid										1945	inactive	567136
15	UPR-200-W-99	Solid										Sep 1, 1968	inactive	566136
16	UPR-300-1	Liquid					1.59 E+03		2.99 E+05			1969	inactive	594115
17	UPR-300-10	Liquid					9.64 E+01		9.52 E+03			1977	inactive	593115
18	UPR-300-11	Liquid	2.0	3.0		6.00 E+00	4.07 E+01	15.0	3.28 E+04			1977	inactive	594115
19	UPR-300-12	Liquid	40.0	1.0		4.00 E+01	5.98 E+01		5.33 E+03	1.51 E+04		1979	inactive	594115
20	UPR-300-13	Liquid					9.64 E+01			4.92 E+03				
21	UPR-300-14	Liquid					9.64 E+01		9.52 E+03	4.54 E+03		Jul 18, 1975		594116
22	UPR-300-17	Liquid					9.64 E+01		9.52 E+03			Sep 1, 1979	inactive	593116
23	UPR-300-18	Liquid					9.64 E+01							
24	UPR-300-2	Liquid					9.64 E+01		9.52 E+03			1954	inactive	594115
25	UPR-300-31	Liquid										Oct 1, 1974		594116
26	UPR-300-39	Liquid					9.64 E+01		9.52 E+03			1954	inactive	593116
27	UPR-300-4	Liquid	100.0	100.0		1.00 E+04	9.74 E+03	20.0	3.84 E+05			1945	1955	593115
28	UPR-300-40	Liquid					9.64 E+01		9.52 E+03			1961	inactive	593116
29	UPR-300-41	Liquid					2.48 E+01		3.00 E+03	1.14 E+02		1986	inactive	594115
30	UPR-300-42	Liquid					9.64 E+01		9.52 E+03	1.14 E+03		1983	inactive	593116
31	UPR-300-43	Liquid					1.00 E+02		9.68 E+03	2.08 E+02		1986	inactive	593115
32	UPR-300-44	Liquid					1.00 E+02		9.68 E+03			1985	inactive	593116
33	UPR-300-45	Liquid					1.00 E+02		9.68 E+03	3.79 E+01		1985	inactive	593116
34	UPR-300-5	Liquid					9.64 E+01		9.52 E+03			1973	inactive	594115
35	UPR-300-7	Liquid					9.64 E+01		9.52 E+03	2.20 E+03		1972	inactive	593116

Table B2-5. Characteristics of Sites in Scope. (25 sheets)

Site Code (WIDS)	Physical State	Length (ft)	Width (ft)	Diameter (ft)	Area (ft^2)	Contaminated Volume (m^3)	Depth to Release (ft)	Overburden Volume (m^3)	Volume Stored (mL)	Decay Date	Start Date	End Date	Cell ID xxx,yyy
UPR-300-FF-1													
UPR-600-12	Liquid										Dec 1, 1954	inactive	577134
UPR-600-16	Liquid	180.0	100.0		1.80 E+04		1.0				Dec 4, 1951	inactive	582143
UPR-600-18	Liquid								1.34 E+03		Apr 16, 1987	inactive	581145
UPR-600-19	Solid											inactive	583141
WBL	Solid	125.0	50.0		6.25 E+03	2.30 E+03	10.0				1850	1943	579149
WBPAC	Liquid	290.0	100.0		2.90 E+04		10.0		3.79 E+04		1943	1945	578149
Z PLANT BP	Solid	50.0	40.0		2.00 E+03		10.0				1950	1960	566135

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	AgI (g)	$AlF(NO_3)_2$ (g)	$Al(NO_3)_3$ (g)	Be (g)	BP (g)	$Ca(NO_3)_2$ (g)	CCl_4 (g)	CdII (g)	CrVI (g)	Cu_2SO_4 (g)	CuII (g)	DBBP (g)
216-S-16D	565133												
116-B-3	565144												
116-B-4	565144												
116-B-6A	565144												
116-B-6B	565144												
116-C-2A	565144												
116-B-1	565145												
116-C-1	565145												
216-S-17	566133												
216-S-5	566133												
216-S-6	566133												
216-S-1&2	566134			6.00 E+07									
216-S-15	566134												
216-S-21	566134												
216-S-25	566134												
216-S-3	566134												
216-S-4	566134												
216-S-8	566134												
216-U-3	566134												
216-T-19	566135												
216-Z-1&2	566135												
216-Z-10	566135												
216-Z-12	566135												
216-Z-18	566135		2.00 E+08	1.70 E+08			1.30 E+08	2.60 E+08					1.50 E+07
216-Z-1A	566135												
216-Z-3	566135												
216-Z-4	566135												
216-Z-5	566135												
216-Z-6	566135												
216-Z-7	566135												
216-Z-8	566135												
216-Z-9	566135		2.10 E+08	1.90 E+08			1.30 E+08						
216-T-1	566136												

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	F (g)	FeCN (Fe II/III)	$FeNO_3$ (Fe II/III)	H_2SO_4 (g)	Hg (g)	HNO_3 (g)	K (g)	KBO_2 (g)	$Mg(NO_3)_2$ (g)	MIBK (g)	Na (g)	NaAl (g)
216-S-16D	565133												
116-B-3	565144												
116-B-4	565144												
116-B-6A	565144												
116-B-6B	565144												
116-C-2A	565144												
116-B-1	565145												
116-C-1	565145												
216-S-17	566133												
216-S-5	566133												
216-S-6	566133												
216-S-1&2	566134						1.00 E+08					1.00 E+07	
216-S-15	566134										1.00 E+07		
216-S-21	566134											1.30 E+05	
216-S-25	566134												
216-S-3	566134											5.00 E+03	3.00 E+03
216-S-4	566134												
216-S-8	566134												
216-U-3	566134												
216-T-19	566135											9.00 E+07	
216-Z-1&2	566135	3.00 E+07										8.00 E+07	
216-Z-10	566135											3.00 E+04	
216-Z-12	566135	3.00 E+08										6.00 E+08	
216-Z-18	566135			3.70 E+07			3.70 E+07			1.70 E+08		2.00 E+08	
216-Z-1A	566135	9.00 E+05										9.00 E+05	
216-Z-3	566135	1.60 E+08										4.00 E+08	
216-Z-4	566135												
216-Z-5	566135											1.00 E+08	
216-Z-6	566135											5.00 E+04	
216-Z-7	566135												
216-Z-8	566135												
216-Z-9	566135			4.00 E+07			3.90 E+07			1.80 E+08		2.00 E+08	
216-T-1	566136												

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	NaCr (g)	NaOH (g)	$Na_2C_2O_4$ (g)	NaSi (g)	NaSulfam (g)	$(NH_4)_2CO_3$ (g)	NH_4NO_3 (g)	NiII (g)	NO_2 (g)	NO_3 (g)	NPH (g)	C_2O_4 (g)
216-S-16D	565133										1.00 E+04		
116-B-3	565144	4.00 E+00											
116-B-4	565144	1.00 E+06		1.00 E+06		6.00 E+06							
116-B-6A	565144	5.00 E+04		1.00 E+05		1.00 E+05							
116-B-6B	565144	5.00 E+04		1.00 E+05		1.00 E+05							
116-C-2A	565144	5.00 E+05		1.00 E+06		1.00 E+06							
116-B-1	565145	6.00 E+04											
116-C-1	565145	1.00 E+05											
216-S-17	566133										1.40 E+05		
216-S-5	566133										1.00 E+05		
216-S-6	566133										1.40 E+05		
216-S-1&2	566134										6.00 E+07		
216-S-15	566134										1.00 E+03		
216-S-21	566134							8.00 E+05					
216-S-25	566134										1.00 E+03		
216-S-3	566134	2.00 E+03	2.00 E+03								9.00 E+03		
216-S-4	566134										1.00 E+03		
216-S-8	566134										1.00 E+05		
216-U-3	566134										9.00 E+03		
216-T-19	566135							1.80 E+07			1.50 E+08		
216-Z-1&2	566135										1.00 E+08		
216-Z-10	566135										1.00 E+05		
216-Z-12	566135										9.00 E+08		
216-Z-18	566135										5.00 E+08		
216-Z-1A	566135										3.00 E+06		
216-Z-3	566135										6.00 E+08		
216-Z-4	566135										1.00 E+04		
216-Z-5	566135										1.00 E+08		
216-Z-6	566135										1.30 E+05		
216-Z-7	566135										2.00 E+07		
216-Z-8	566135		1.00 E+06										
216-Z-9	566135										5.00 E+08		
216-T-1	566136		1.00 E+07										

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	PbII (g)	PO_4 (g)	SO_4 (g)	H_2SO_4 (g)	TBP (g)	TBPPH (g)	TCE (g)	U (g)	ZnII (g)
216-S-16D	565133									
116-B-3	565144									
116-B-4	565144									
116-B-6A	565144									
116-B-6B	565144									
116-C-2A	565144									
116-B-1	565145									
116-C-1	565145									
216-S-17	566133									
216-S-5	566133									
216-S-6	566133									
216-S-1&2	566134									
216-S-15	566134									
216-S-21	566134									
216-S-25	566134									
216-S-3	566134									
216-S-4	566134									
216-S-8	566134									
216-U-3	566134									
216-T-19	566135		6.00 E+07	9.00 E+06						
216-Z-1&2	566135									
216-Z-10	566135									
216-Z-12	566135									
216-Z-18	566135			1.00 E+07		2.20 E+07				
216-Z-1A	566135									
216-Z-3	566135									
216-Z-4	566135									
216-Z-5	566135									
216-Z-6	566135									
216-Z-7	566135									
216-Z-8	566135									
216-Z-9	566135			1.00 E+07						
216-T-1	566136									

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Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	AgI (g)	$AlF(NO_3)_2$ (g)	$Al(NO_3)_3$ (g)	Be (g)	BP (g)	$Ca(NO_3)_2$ (g)	CCl_4 (g)	CdII (g)	CrVI (g)	Cu_2SO_4 (g)	CuII (g)	DBBP (g)
216-T-14	566136												
216-T-15	566136												
216-T-16	566136												
216-T-17	566136												
216-T-18	566136												
216-T-21	566136												
216-T-22	566136												
216-T-23	566136												
216-T-24	566136												
216-T-25	566136												
216-T-26	566136												
216-T-27	566136												
216-T-28	566136												
216-T-32	566136												
216-T-36	566136	0											
216-T-5	566136												
216-T-7	566136												
216-S-20	567133												
216-S-22	567133												
216-S-26	567133												
216-S-12	567134												
216-S-13	567134												
216-S-23	567134												
216-S-7	567134			4.00 E+07									
216-S-9	567134												
216-U-8	567134												
216-U-1&2	567135												
216-U-15	567135												
216-U-4	567135												
216-U-4A	567135												
216-U-4B	567135												
216-U-5	567135												
216-U-6	567135												

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	F (g)	FeCN (Fe II/III)	$FeNO_3$ (Fe II/III))	H_2SO_4 (g)	Hg (g)	HNO_3 (g)	K (g)	KBO_2 (g)	$Mg(NO_3)_2$ (g)	MIBK (g)	Na (g)	NaAl (g)
216-T-14	566136	2.50 E+06										6.00 E+07	8.00 E+06
216-T-15	566136	2.50 E+06										6.00 E+07	8.00 E+06
216-T-16	566136	2.50 E+06										6.00 E+07	8.00 E+06
216-T-17	566136	2.00 E+06										5.00 E+07	7.00 E+06
216-T-18	566136	2.50 E+06										6.00 E+07	8.00 E+06
216-T-21	566136	1.20 E+06										2.80 E+07	4.00 E+06
216-T-22	566136	4.00 E+06										9.00 E+07	1.30 E+07
216-T-23	566136	4.00 E+06										9.00 E+07	1.20 E+07
216-T-24	566136	4.00 E+06										9.00 E+07	1.30 E+07
216-T-25	566136	4.00 E+07										9.00 E+08	1.30 E+08
216-T-26	566136	3.00 E+07	6.00 E+06									7.00 E+08	1.00 E+08
216-T-27	566136												
216-T-28	566136												
216-T-32	566136	1.60 E+08										1.10 E+09	
216-T-36	566136												
216-T-5	566136	8.00 E+06										1.00 E+08	
216-T-7	566136	1.70 E+08						2.50 E+08				1.70 E+09	
216-S-20	567133												
216-S-22	567133											3.00 E+06	
216-S-26	567133												
216-S-12	567134												
216-S-13	567134										1.00 E+07	1.00 E+06	
216-S-23	567134						3.00 E+05						
216-S-7	567134						2.50 E+08					7.00 E+06	
216-S-9	567134						3.00 E+07						
216-U-8	567134						2.00 E+08						
216-U-1&2	567135											5.00 E+08	
216-U-15	567135												
216-U-4	567135												
216-U-4A	567135											4.00 E+05	
216-U-4B	567135												
216-U-5	567135												
216-U-6	567135												

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	NaCr (g)	NaOH (g)	$Na_2C_2O_4$ (g)	NaSi (g)	NaSulfam (g)	$(NH_4)_2CO_3$ (g)	NH_4NO_3 (g)	NiII (g)	NO_2 (g)	NO_3 (g)	NPH (g)	C_2O_4 (g)
216-T-14	566136		8.00 E+06		3.20 E+06					9.00 E+06	8.00 E+07		
216-T-15	566136		8.00 E+06		3.20 E+06					9.00 E+06	8.00 E+07		
216-T-16	566136		8.00 E+06		3.20 E+06					9.00 E+06	8.00 E+07		
216-T-17	566136		6.00 E+06		2.50 E+06					7.00 E+06	6.00 E+07		
216-T-18	566136		8.00 E+06		3.20 E+06					9.00 E+06	8.00 E+07		
216-T-21	566136		4.00 E+06		1.50 E+06					4.00 E+06	4.00 E+07		
216-T-22	566136		1.20 E+07		5.00 E+06					1.40 E+07	1.20 E+08		
216-T-23	566136		1.20 E+07		5.00 E+06					1.40 E+07	1.20 E+08		
216-T-24	566136		1.20 E+07		5.00 E+06					1.40 E+07	1.20 E+08		
216-T-25	566136		1.20 E+08		5.00 E+07					1.40 E+08	1.20 E+09		
216-T-26	566136		1.00 E+08		4.00 E+07					1.10 E+08	1.00 E+09		
216-T-27	566136										1.00 E+06		
216-T-28	566136										1.00 E+07		
216-T-32	566136			4.00 E+07				1.60 E+07			1.20 E+09		
216-T-36	566136		1.00 E+06										
216-T-5	566136				8.00 E+06			2.00 E+07			1.40 E+08		
216-T-7	566136			4.00 E+07				1.40 E+08			2.30 E+09		
216-S-20	567133										2.00 E+07		
216-S-22	567133										7.00 E+06		
216-S-26	567133										3.00 E+04		
216-S-12	567134							6.00 E+05					
216-S-13	567134	1.00 E+07									1.00 E+07		
216-S-23	567134												
216-S-7	567134										1.10 E+08		
216-S-9	567134												
216-U-8	567134												
216-U-1&2	567135										1.20 E+09		
216-U-15	567135											4.00 E+07	
216-U-4	567135										4.00 E+05		
216-U-4A	567135										9.00 E+05		
216-U-4B	567135										1.00 E+04		
216-U-5	567135										2.00 E+05		
216-U-6	567135										2.00 E+05		

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	PbII (g)	PO_4 (g)	SO_4 (g)	H_2SO_4 (g)	TBP (g)	TBPPH (g)	TCE (g)	U (g)	ZnII (g)
216-T-14	566136		1.90 E+07	4.00 E+06						
216-T-15	566136		1.90 E+07	4.00 E+06						
216-T-16	566136		1.90 E+07	4.00 E+06						
216-T-17	566136		1.50 E+07	3.10 E+06						
216-T-18	566136		1.90 E+07	4.00 E+06						
216-T-21	566136		9.00 E+06	1.80 E+06						
216-T-22	566136		2.90 E+07	6.00 E+06						
216-T-23	566136		2.80 E+07	6.00 E+06						
216-T-24	566136		2.90 E+07	6.00 E+06						
216-T-25	566136		2.90 E+08	6.00 E+07						
216-T-26	566136		2.30 E+08	5.00 E+07						
216-T-27	566136									
216-T-28	566136									
216-T-32	566136		9.00 E+07	1.00 E+07						
216-T-36	566136									
216-T-5	566136		6.00 E+07	9.00 E+06						
216-T-7	566136		5.00 E+08	7.00 E+07						
216-S-20	567133									
216-S-22	567133									
216-S-26	567133									
216-S-12	567134									
216-S-13	567134									
216-S-23	567134									
216-S-7	567134									
216-S-9	567134									
216-U-8	567134									
216-U-1&2	567135		7.00 E+07	1.00 E+08						
216-U-15	567135					1.30 E+07				
216-U-4	567135									
216-U-4A	567135		3.00 E+04							
216-U-4B	567135									
216-U-5	567135									
216-U-6	567135									

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	AgI (g)	$AlF(NO_3)_2$ (g)	$Al(NO_3)_3$ (g)	Be (g)	BP (g)	$Ca(NO_3)_2$ (g)	CCl_4 (g)	CdII (g)	CrVI (g)	Cu_2SO_4 (g)	CuII (g)	DBBP (g)
216-U-7	567135												
216-T-2	567136												
216-T-20	567136												
216-T-29	567136												
216-T-3	567136												
216-T-33	567136												
216-T-6	567136												
216-T-8	567136												
216-T-34	567137												
216-T-35	567137												
116-KE-2	569146												
120-KE-1	569146												
120-KE-3	569146												
116-K-1	569147												
116-K-2	569147										5.00 E+05		
216-B-14	573134												
216-B-15	573134												
216-B-16	573134												
216-B-17	573134												
216-B-18	573134												
216-B-19	573134												
216-B-20	573134												
216-B-21	573134												
216-B-22	573134												
216-B-23	573134												
216-B-24	573134												
216-B-25	573134												
216-B-26	573134												
216-B-27	573134												
216-B-28	573134												
216-B-29	573134												
216-B-30	573134												
216-B-31	573134												

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	F (g)	FeCN (Fe II/III))	$FeNO_3$ (Fe II/III)	H_2SO_4 (g)	Hg (g)	HNO_3 (g)	K (g)	KBO_2 (g)	$Mg(NO_3)_2$ (g)	MIBK (g)	Na (g)	NaAl (g)
216-U-7	567135												
216-T-2	567136				1.00 E+07		6.00 E+06						
216-T-20	567136												
216-T-29	567136						8.00 E+06						
216-T-3	567136	4.00 E+07						6.00 E+07				2.50 E+08	
216-T-33	567136												
216-T-6	567136	2.40 E+07										1.60 E+08	
216-T-8	567136				1.00 E+06		1.00 E+06						
216-T-34	567137												
216-T-35	567137												
116-KE-2	569146												
120-KE-1	569146					2.00 E+05							
120-KE-3	569146					7.00 E+05							
116-K-1	569147												
116-K-2	569147				1.00 E+07								
216-B-14	573134		5.00 E+06									6.00 E+08	
216-B-15	573134		3.30 E+06									4.00 E+08	
216-B-16	573134		3.00 E+06									5.00 E+08	
216-B-17	573134		1.80 E+06									5.00 E+08	
216-B-18	573134		5.00 E+06									4.00 E+08	
216-B-19	573134		3.40 E+06									7.00 E+08	
216-B-20	573134		2.50 E+06									5.00 E+08	
216-B-21	573134		2.50 E+06									3.10 E+08	
216-B-22	573134		2.50 E+06									4.00 E+08	
216-B-23	573134		2.40 E+06									4.00 E+08	
216-B-24	573134		2.50 E+06									2.80 E+08	
216-B-25	573134		2.00 E+06									2.20 E+08	
216-B-26	573134		3.10 E+06									3.50 E+08	
216-B-27	573134		2.30 E+06									2.60 E+08	
216-B-28	573134		2.70 E+06									4.00 E+08	
216-B-29	573134		2.60 E+06									2.80 E+08	
216-B-30	573134		2.50 E+06									5.00 E+08	
216-B-31	573134		2.50 E+06									5.00 E+08	

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	NaCr (g)	NaOH (g)	$Na_2C_2O_4$ (g)	NaSi (g)	NaSulfam (g)	$(NH_4)_2CO_3$ (g)	NH_4NO_3 (g)	NiII (g)	NO_2 (g)	NO_3 (g)	NPH (g)	C_2O_4 (g)
216-U-7	567135										7.00 E+04		
216-T-2	567136	2.00 E+05											
216-T-20	567136										1.50 E+07		
216-T-29	567136												
216-T-3	567136			9.00 E+06				4.00 E+06			2.90 E+08		
216-T-33	567136		1.00 E+04										
216-T-6	567136			6.00 E+06				2.60 E+06			1.80 E+08		
216-T-8	567136	1.00 E+04											
216-T-34	567137										1.00 E+06		
216-T-35	567137										1.00 E+06		
116-KE-2	569146		1.00 E+08										
120-KE-1	569146												
120-KE-3	569146												
116-K-1	569147	4.00 E+04											
116-K-2	569147	3.00 E+08											
216-B-14	573134										1.50 E+09		
216-B-15	573134										9.00 E+08		
216-B-16	573134										1.10 E+09		
216-B-17	573134										1.10 E+09		
216-B-18	573134										1.00 E+09		
216-B-19	573134										1.50 E+09		
216-B-20	573134										1.10 E+09		
216-B-21	573134										7.00 E+08		
216-B-22	573134										9.00 E+08		
216-B-23	573134										1.00 E+09		
216-B-24	573134										6.00 E+08		
216-B-25	573134										5.00 E+08		
216-B-26	573134										8.00 E+08		
216-B-27	573134										6.00 E+08		
216-B-28	573134										1.00 E+09		
216-B-29	573134										7.00 E+08		
216-B-30	573134										1.10 E+09		
216-B-31	573134										1.10 E+09		

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Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	PbII (g)	PO_4 (g)	SO_4 (g)	H_2SO_4 (g)	TBP (g)	TBPPH (g)	TCE (g)	U (g)	ZnII (g)
216-U-7	567135									
216-T-2	567136									
216-T-20	567136									
216-T-29	567136									
216-T-3	567136		2.10 E+07	2.40 E+06						
216-T-33	567136									
216-T-6	567136		1.30 E+07	1.50 E+06						
216-T-8	567136									
216-T-34	567137									
216-T-35	567137									
116-KE-2	569146									
120-KE-1	569146									
120-KE-3	569146									
116-K-1	569147									
116-K-2	569147				1.00 E+07					
216-B-14	573134		4.00 E+07	5.00 E+07						
216-B-15	573134		5.00 E+07	6.00 E+07						
216-B-16	573134		7.00 E+07	1.10 E+08						
216-B-17	573134		6.00 E+07	9.00 E+07						
216-B-18	573134		5.00 E+07	7.00 E+07						
216-B-19	573134		1.00 E+08	9.00 E+07						
216-B-20	573134		8.00 E+07	1.00 E+08						
216-B-21	573134		4.00 E+07	6.00 E+07						
216-B-22	573134		4.00 E+07	8.00 E+07						
216-B-23	573134		6.00 E+07	6.00 E+07						
216-B-24	573134		3.40 E+07	5.00 E+07						
216-B-25	573134		2.70 E+07	4.00 E+07						
216-B-26	573134		4.00 E+07	6.00 E+07						
216-B-27	573134		3.20 E+07	5.00 E+07						
216-B-28	573134		5.00 E+07	8.00 E+07						
216-B-29	573134		3.50 E+07	5.00 E+07						
216-B-30	573134		7.00 E+07	1.10 E+08						
216-B-31	573134		6.00 E+07	9.00 E+07						

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	AgI (g)	$AlF(NO_3)_2$ (g)	$Al(NO_3)_3$ (g)	Be (g)	BP (g)	$Ca(NO_3)_2$ (g)	CCl_4 (g)	CdII (g)	CrVI (g)	Cu_2SO_4 (g)	CuII (g)	DBBP (g)
216-B-32	573134												
216-B-33	573134												
216-B-34	573134												
216-B-52	573134												
216-B-53B	573134												
216-B-54	573134												
216-B-58	573134												
216-B-10A	573136												
216-B-10B	573136												
216-B-12	573136												
216-B-13	573136												
216-B-5	573136			5.00 E+06									
216-B-55	573136												
216-B-6	573136												
216-B-9	573136												
216-B-35	573137												
216-B-36	573137												
216-B-37	573137												
216-B-38	573137												
216-B-39	573137												
216-B-40	573137												
216-B-41	573137												
216-B-42	573137												
216-B-43	573137												
216-B-44	573137												
216-B-45	573137												
216-B-46	573137												
216-B-47	573137												
216-B-48	573137												
216-B-49	573137												
216-B-50	573137												
216-B-51	573137												
216-B-57	573137												

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	F (g)	FeCN (Fe II/III)	$FeNO_3$ (Fe II/III)	H_2SO_4 (g)	Hg (g)	HNO_3 (g)	K (g)	KBO_2 (g)	$Mg(NO_3)_2$ (g)	MIBK (g)	Na (g)	NaAl (g)
216-B-32	573134		2.50 E+06									5.00 E+08	
216-B-33	573134		2.50 E+06									7.00 E+08	
216-B-34	573134		2.60 E+06									8.00 E+08	
216-B-52	573134		5.00 E+06									8.60 E+08	
216-B-53B	573134												
216-B-54	573134												
216-B-58	573134												
216-B-10A	573136						1.00 E+06						
216-B-10B	573136						2.00 E+03						
216-B-12	573136												
216-B-13	573136												
216-B-5	573136	5.00 E+07						8.00 E+07				3.50 E+08	
216-B-55	573136												
216-B-6	573136				1.00 E+07		1.00 E+07						
216-B-9	573136												
216-B-35	573137	2.60 E+06										6.00 E+07	1.00 E+07
216-B-36	573137	5.00 E+06										1.20 E+08	2.40 E+07
216-B-37	573137	5.00 E+07										1.30 E+09	2.50 E+08
216-B-38	573137	4.00 E+06										9.00 E+07	1.80 E+07
216-B-39	573137	4.00 E+06										9.00 E+07	1.80 E+07
216-B-40	573137	4.00 E+06										1.00 E+08	2.00 E+07
216-B-41	573137	4.00 E+06										9.00 E+07	1.80 E+07
216-B-42	573137		8.00 E+05									9.00 E+07	
216-B-43	573137		1.10 E+06									1.70 E+08	
216-B-44	573137		3.00 E+06									3.30 E+08	
216-B-45	573137		2.60 E+06									3.40 E+08	
216-B-46	573137		4.00 E+06									5.00 E+08	
216-B-47	573137		2.00 E+06									3.10 E+08	
216-B-48	573137		2.20 E+06									4.00 E+08	
216-B-49	573137		4.00 E+06									6.00 E+08	
216-B-50	573137											5.00 E+05	
216-B-51	573137											8.00 E+04	
216-B-57	573137												

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	NaCr (g)	NaOH (g)	$Na_2C_2O_4$ (g)	NaSi (g)	NaSulfam (g)	$(NH_4)_2CO_3$ (g)	NH_4NO_3 (g)	NiII (g)	NO_2 (g)	NO_3 (g)	NPH (g)	C_2O_4 (g)
216-B-32	573134										1.00 E+09		
216-B-33	573134										1.70 E+09		
216-B-34	573134										1.90 E+09		
216-B-52	573134			1.00 E+06							2.10 E+09		
216-B-53B	573134										1.00 E+03		
216-B-54	573134										1.00 E+05		
216-B-58	573134										1.00 E+04		
216-B-10A	573136	1.00 E+05									1.00 E+06		
216-B-10B	573136												
216-B-12	573136							1.80 E+09					
216-B-13	573136										2.00 E+06		
216-B-5	573136										4.00 E+08		1.20 E+07
216-B-55	573136							9.00 E+07					
216-B-6	573136	1.00 E+05											
216-B-9	573136										1.00 E+06		
216-B-35	573137		2.00 E+07		5.50 E+06					1.00 E+07	9.00 E+07		
216-B-36	573137		3.80 E+06		1.00 E+07					1.80 E+07	1.60 E+08		
216-B-37	573137		3.80 E+07		1.00 E+08					2.00 E+08	1.70 E+09		
216-B-38	573137		2.80 E+06		8.00 E+06					1.30 E+07	1.20 E+08		
216-B-39	573137		2.80 E+06		8.00 E+06					1.40 E+07	1.20 E+08		
216-B-40	573137		3.30 E+06		8.00 E+06					1.50 E+07	1.30 E+08		
216-B-41	573137		2.80 E+06		8.00 E+06					1.30 E+07	1.20 E+08		
216-B-42	573137										2.10 E+08		
216-B-43	573137										4.00 E+08		
216-B-44	573137										8.00 E+08		
216-B-45	573137										9.00 E+07		
216-B-46	573137										1.20 E+09		
216-B-47	573137										7.00 E+08		
216-B-48	573137										1.00 E+09		
216-B-49	573137										1.50 E+09		
216-B-50	573137						9.10 E+06	1.00 E+07			1.50 E+06		
216-B-51	573137										1.90 E+05		
216-B-57	573137						1.20 E+07						

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Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	PbII (g)	PO_4 (g)	SO_4 (g)	H_2SO_4 (g)	TBP (g)	TBPPH (g)	TCE (g)	U (g)	ZnII (g)
216-B-32	573134		6.00 E+07	9.00 E+07						
216-B-33	573134		1.00 E+08	1.10 E+08						
216-B-34	573134		8.00 E+07	9.00 E+07						
216-B-52	573134		8.00 E+07	8.00 E+07						
216-B-53B	573134									
216-B-54	573134									
216-B-58	573134									
216-B-10A	573136			1.00 E+06						
216-B-10B	573136									
216-B-12	573136									
216-B-13	573136									
216-B-5	573136		2.90 E+07	3.30 E+06						
216-B-55	573136									
216-B-6	573136									
216-B-9	573136									
216-B-35	573137		2.00 E+07	4.00 E+06						
216-B-36	573137		4.00 E+07	8.00 E+06						
216-B-37	573137		4.00 E+08	9.00 E+07						
216-B-38	573137		2.70 E+07	6.00 E+06						
216-B-39	573137		2.90 E+07	6.00 E+06						
216-B-40	573137		3.10 E+07	7.00 E+06						
216-B-41	573137		2.70 E+07	6.00 E+06						
216-B-42	573137		1.10 E+07	1.50 E+07						
216-B-43	573137		2.10 E+07	2.90 E+07						
216-B-44	573137		4.00 E+07	6.00 E+07						
216-B-45	573137		4.10 E+07	6.00 E+07						
216-B-46	573137		7.00 E+07	1.00 E+08						
216-B-47	573137		4.00 E+07	6.00 E+07						
216-B-48	573137		6.00 E+07	8.00 E+07						
216-B-49	573137		6.00 E+07	8.00 E+07						
216-B-50	573137									
216-B-51	573137		8.00 E+03	1.10 E+04						
216-B-57	573137									

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	AgI (g)	$AlF(NO_3)_2$ (g)	$Al(NO_3)_3$ (g)	Be (g)	BP (g)	$Ca(NO_3)_2$ (g)	CCl_4 (g)	CdII (g)	CrVI (g)	Cu_2SO_4 (g)	CuII (g)	DBBP (g)
216-B-7A&B	573137												
216-B-8	573137												
116-D-1A	573151												
116-D-1B	573151												
116-D-2	573151												
116-DR-4	573151												
116-DR-6	573151												
116-DR-7	573151												
116-DR-1	573152												
216-A-13	574135												
216-A-22	574135												
216-A-28	574135												
216-A-35	574135												
216-C-1	574136												
216-C-3	574136												
216-C-4	574136												
216-C-5	574136												
216-C-6	574136												
216-C-7	574136												
116-DR-2	574152												
216-A-11	575135												
216-A-12	575135												
216-A-14	575135												
216-A-15	575135												
216-A-2	575135												
216-A-21	575135												
216-A-26A	575135												
216-A-27	575135												
216-A-30	575135												
216-A-31	575135												
216-A-36A	575135												
216-A-37-1	575135												
216-A-4	575135												

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Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	F (g)	FeCN (Fe II/III)	$FeNO_3$ (Fe II/III)	H_2SO_4 (g)	Hg (g)	HNO_3 (g)	K (g)	KBO_2 (g)	$Mg(NO_3)_2$ (g)	MIBK (g)	Na (g)	NaAl (g)
216-B-7A&B	573137	2.40 E+08						4.00 E+08				1.60 E+09	
216-B-8	573137	2.50 E+07			1.40 E+09			4.00 E+07				9.00 E+08	
116-D-1A	573151												
116-D-1B	573151												
116-D-2	573151												
116-DR-4	573151												
116-DR-6	573151												
116-DR-7	573151								3.00 E+06				
116-DR-1	573152												
216-A-13	574135												
216-A-22	574135												
216-A-28	574135												
216-A-35	574135												
216-C-1	574136						1.50 E+07						
216-C-3	574136												
216-C-4	574136												
216-C-5	574136											3.00 E+06	
216-C-6	574136												
216-C-7	574136												
116-DR-2	574152												
216-A-11	575135												
216-A-12	575135												
216-A-14	575135												
216-A-15	575135						1.00 E+03						
216-A-2	575135												
216-A-21	575135											1.10 E+07	
216-A-26A	575135												
216-A-27	575135											6.00 E+06	
216-A-30	575135												
216-A-31	575135												
216-A-36A	575135												
216-A-37-1	575135												
216-A-4	575135											4.00 E+06	

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	NaCr (g)	NaOH (g)	$Na_2C_2O_4$ (g)	NaSi (g)	NaSulfam (g)	$(NH_4)_2CO_3$ (g)	NH_4NO_3 (g)	NiII (g)	NO_2 (g)	NO_3 (g)	NPH (g)	C_2O_4 (g)
216-B-7A&B	573137							2.20 E+07			1.80 E+09		6.00 E+07
216-B-8	573137							1.60 E+08			1.40 E+09		6.00 E+06
116-D-1A	573151	1.00 E+06											
116-D-1B	573151	7.00 E+05		2.00 E+06		2.00 E+06							
116-D-2	573151	4.00 E+00											
116-DR-4	573151	4.00 E+00											
116-DR-6	573151	2.00 E+03											
116-DR-7	573151												
116-DR-1	573152	4.00 E+04											
216-A-13	574135										1.00 E+03		
216-A-22	574135										1.00 E+03		
216-A-28	574135										3.00 E+05		
216-A-35	574135										1.00 E+03		
216-C-1	574136												
216-C-3	574136										2.00 E+04		
216-C-4	574136											2.40 E+07	
216-C-5	574136										8.00 E+06		
216-C-6	574136										3.30 E+05		
216-C-7	574136										1.00 E+03		
116-DR-2	574152	4.00 E+04											
216-A-11	575135										1.00 E+05		
216-A-12	575135										1.00 E+05		
216-A-14	575135										1.00 E+03		
216-A-15	575135												
216-A-2	575135											1.20 E+08	
216-A-21	575135	3.00 E+05						4.00 E+08			9.00 E+06		
216-A-26A	575135										1.00 E+03		
216-A-27	575135	2.00 E+05						3.00 E+08			5.00 E+06		
216-A-30	575135										1.60 E+07		
216-A-31	575135											5.20 E+06	
216-A-36A	575135							3.00 E+06					
216-A-37-1	575135										6.00 E+05		
216-A-4	575135	1.10 E+05									3.00 E+05		

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	PbII (g)	PO_4 (g)	SO_4 (g)	H_2SO_4 (g)	TBP (g)	TBPPH (g)	TCE (g)	U (g)	ZnII (g)
216-B-7A&B	573137		1.30 E+08	1.50 E+07						
216-B-8	573137		5.00 E+08	7.00 E+07						
116-D-1A	573151									
116-D-1B	573151									
116-D-2	573151									
116-DR-4	573151									
116-DR-6	573151									
116-DR-7	573151									
116-DR-1	573152									
216-A-13	574135									
216-A-22	574135									
216-A-28	574135									
216-A-35	574135									
216-C-1	574136									
216-C-3	574136									
216-C-4	574136						1.40 E+07			
216-C-5	574136									
216-C-6	574136									
216-C-7	574136									
116-DR-2	574152									
216-A-11	575135									
216-A-12	575135									
216-A-14	575135									
216-A-15	575135									
216-A-2	575135					7.00 E+07				
216-A-21	575135			1.50 E+07						
216-A-26A	575135									
216-A-27	575135			9.00 E+06						
216-A-30	575135									
216-A-31	575135					2.90 E+06				
216-A-36A	575135									
216-A-37-1	575135									
216-A-4	575135			5.00 E+06						

9613459.2282

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	AgI (g)	$AlF(NO_3)_2$ (g)	$Al(NO_3)_3$ (g)	Be (g)	BP (g)	$Ca(NO_3)_2$ (g)	CCl_4 (g)	CdII (g)	CrVI (g)	Cu_2SO_4 (g)	CuII (g)	DBBP (g)
216-A-5	575135												
216-A-6	575135												
216-A-1	575136												
216-A-16	575136												
216-A-17	575136												
216-A-18	575136												
216-A-19	575136												
216-A-20	575136												
216-A-23A	575136												
216-A-23B	575136												
216-A-24	575136					9.00 E+07							
216-A-40	575136												
216-A-41	575136												
216-A-7	575136												
216-A-8	575136					1.30 E+08							
216-A-9	575136												
116-H-2	577152												
116-H-3	577152												
116-H-4	577152												
116-H-1	578152												
116-F-1	580147												
116-F-10	580147												
116-F-3	580147												
116-F-4	580147												
116-F-6	580147												
116-F-2	581147												
316-4	591122												
316-3	594115	3.00 E+05			1.00 E+04				2.00 E+04	1.00 E+06		2.00 E+07	
316-1	594116	1.00 E+06			4.00 E+04				8.00 E+04	5.00 E+06		6.00 E+07	
316-2	594116	9.00 E+05			3.00 E+04				6.00 E+04	3.00 E+06		5.00 E+07	
216-T-4-2													

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	F (g)	FeCN (Fe II/III)	FeNO3 (Fe II/III)	H_2SO_4 (g)	Hg (g)	HNO_3 (g)	K (g)	KBO_2 (g)	$Mg(NO_3)_2$ (g)	MIBK (g)	Na (g)	NaAl (g)
216-A-5	575135												
216-A-6	575135												
216-A-1	575136												
216-A-16	575136												
216-A-17	575136												
216-A-18	575136												
216-A-19	575136												
216-A-20	575136												
216-A-23A	575136												
216-A-23B	575136												
216-A-24	575136												
216-A-40	575136												
216-A-41	575136												
216-A-7	575136												
216-A-8	575136												
216-A-9	575136												
116-H-2	577152												
116-H-3	577152												
116-H-4	577152												
116-H-1	578152												
116-F-1	580147												
116-F-10	580147												
116-F-3	580147												
116-F-4	580147												
116-F-6	580147												
116-F-2	581147												
316-4	591122										3.00 E+06		
316-3	594115	2.00 E+06				1.00 E+04							
316-1	594116	7.00 E+06				6.00 E+04	1.00 E+09					2.00 E+09	2.00 E+09
316-2	594116	5.00 E+06				4.00 E+04	9.00 E+08					1.00 E+09	2.00 E+09
216-T-4-2													

9613457.2283

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	NaCr (g)	NaOH (g)	$Na_2C_2O_4$ (g)	NaSi (g)	NaSulfam (g)	$(NH_4)_2CO_3$ (g)	NH_4NO_3 (g)	NiII (g)	NO_2 (g)	NO_3 (g)	NPH (g)	C_2O_4 (g)
216-A-5	575135										1.00 E+09		
216-A-6	575135										1.00 E+07		
216-A-1	575136										8.00 E+04		
216-A-16	575136										1.00 E+03		
216-A-17	575136										1.00 E+03		
216-A-18	575136										7.30 E+05		
216-A-19	575136										2.00 E+07		
216-A-20	575136										2.10 E+05		
216-A-23A	575136										1.00 E+03		
216-A-23B	575136										1.00 E+03		
216-A-24	575136						2.00 E+08					3.00 E+07	
216-A-40	575136										1.00 E+03		
216-A-41	575136										1.00 E+03		
216-A-7	575136											1.80 E+08	
216-A-8	575136						3.20 E+08					4.60 E+07	
216-A-9	575136										3.00 E+08		
116-H-2	577152	6.00 E+05											
116-H-3	577152	2.00 E+06		2.00 E+06		2.00 E+06							
116-H-4	577152	1.00 E+06											
116-H-1	578152	9.00 E+04											
116-F-1	580147	1.00 E+05											
116-F-10	580147	2.00 E+06		2.00 E+06		2.00 E+06							
116-F-3	580147	4.00 E+03											
116-F-4	580147	4.00 E+00											
116-F-6	580147												
116-F-2	581147	6.00 E+04											
316-4	591122										1.00 E+06		
316-3	594115								3.00 E+06				
316-1	594116		1.00 E+09		1.00 E+08				1.00 E+07	9.00 E+08	1.00 E+09		
316-2	594116		8.00 E+08		9.00 E+07				8.00 E+06	7.00 E+08	8.00 E+08		
216-T-4-2											1.00 E+03		

9613197.2206

Table B2-6. Chemical Inventories of Waste Sites. (24 sheets)

Site Code (WIDS)	Cell ID xxx,yyy	PbII (g)	PO_4 (g)	SO_4 (g)	H_2SO_4 (g)	TBP (g)	TBPPH (g)	TCE (g)	U (g)	ZnII (g)
216-A-5	575135									
216-A-6	575135									
216-A-1	575136									
216-A-16	575136									
216-A-17	575136									
216-A-18	575136									
216-A-19	575136									
216-A-20	575136									
216-A-23A	575136									
216-A-23B	575136									
216-A-24	575136									
216-A-40	575136									
216-A-41	575136									
216-A-7	575136					1.00 E+08				
216-A-8	575136									
216-A-9	575136									
116-H-2	577152									
116-H-3	577152									
116-H-4	577152									
116-H-1	578152									
116-F-1	580147				1.00 E+07					
116-F-10	580147									
116-F-3	580147									
116-F-4	580147									
116-F-6	580147				3.00 E+06					
116-F-2	581147									
316-4	591122								2.00 E+06	
316-3	594115	6.00 E+05							1.00 E+07	1.00 E+06
316-1	594116	4.00 E+06						1.00 E+08	4.00 E+07	5.00 E+06
316-2	594116	2.00 E+06						1.00 E+08	3.00 E+07	3.00 E+06
216-T-4-2										

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Am-241 (Ci)	C-14 (Ci)	Ce-144 (Ci)	Co-58 (Ci)	Co-60 (Ci)	Cs-134 (Ci)	Cs-137 (Ci)	Eu-152 (Ci)	Eu-154 (Ci)	Eu-155 (Ci)	Fe-59 (Ci)	H-3 (Ci)
Half-life in years		4.33 E+02	5.73 E+01	7.79 E-01	1.94 E-01	5.27 E+00	2.07 E+00	3.02 E+01	1.35 E+01	8.59 E+00	4.71 E+00	1.22 E-01	1.23 E+01
118-B-1	564143		6.60 E-01			8.86 E+02		1.50 E+00	1.65 E+01	3.02 E+01			3.80 E+03
216-S-16P	565133							1.04 E+02					
216-U-11	565134							6.47 E-02					1.48 E+02
118-C-1	565143		3.64 E+00			5.71 E+02		1.30 E+00	1.42 E+01	2.60 E+01			8.50 E+00
116-B-2	565144					9.78 E-02	3.90 E-04	3.06 E-01	1.18 E+00	1.90 E-01	2.43 E-02		5.73 E-02
116-B-3	565144					3.17 E-01		1.41 E-01	2.76 E-01	3.76 E-02	7.89 E-03		2.27 E-01
116-B-4	565144					4.33 E+00							
116-B-5	565144					3.71 E-02	9.70 E-04	2.07 E-03	9.20 E-02	2.32 E-02	2.20 E-04		1.89 E+02
116-B-6A	565144					2.19 E-03		1.49 E-01	6.00 E-05	1.30 E-04	2.31 E-03		
116-B-6B	565144					1.00 E-03		2.10 E-04	1.60 E-04		4.00 E-05		7.56 E-03
116-C-2A	565144					1.32 E-02	1.00 E-05	8.30 E-04	9.20 E-03	4.90 E-04	4.42 E-03		3.15 E-01
116-C-2C	565144					7.76 E+01	2.44 E-02	8.27 E+00	5.19 E+00	3.14 E-01	2.12 E+00		2.83 E-01
118-B-2	565144					1.00 E+00							
118-B-3	565144					3.87 E+01							
118-B-4	565144					1.00 E+00							
118-B-5	565144					1.00 E+00							
118-B-6	565144												1.00 E+03
118-B-7	565144					1.00 E+00							
118-C-2	565144					8.00 E+01							
100-B/C PIPING	565145					1.70 E+00	1.70 E-01	8.70 E+00	1.90 E+00	5.20 E-01	3.30 E+01		3.00 E-01
116-B-1	565145					9.78 E-02	3.90 E-04	3.06 E-01	1.18 E+00	1.90 E-01	2.43 E-02		5.73 E-02
116-B-11	565145					2.42 E+01	2.30 E-02	2.54 E+01	6.58 E+01	1.87 E+01	8.26 E-01		
116-C-1	565145					1.08 E+02	2.50 E-02	5.79 E+00	1.51 E+02	6.17 E+01	3.79 E-01		8.81 E-01
116-C-5	565145					1.61 E+01	1.15 E+00	1.51 E+01	3.65 E+01	1.20 E+01	1.01 E+00		3.19 E-01
216-S-10D	566133	1.59 E-02						3.00 E+00					
216-S-11	566133	2.04 E-03						1.79 E+00					
216-S-17	566133	1.98 E-02						4.09 E+01					
216-S-5	566133	3.82 E+00						1.06 E+02					
216-S-6	566133	3.11 E+00						4.30 E+02					
216-S-1&2	566134	7.90 E+00						3.48 E+03					
216-S-21	566134	1.37 E-02						1.90 E+02					
216-S-25	566134	3.07 E-04						1.88 E-01					1.48 E+02
216-S-3	566134	3.29 E-03						4.34 E+01					
216-S-4	566134												2.00 E-02
216-S-8	566134	1.32 E-02						1.02 E+01					

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	I-129 (Ci)	Mn-54 (Ci)	Nb-95 (Ci)	Ni-63 (Ci)	Pm-147 (Ci)	Po-210 (Ci)	Pu-238 (Ci)	Pu-239 (Ci)	Pu-240 (Ci)	Pu-241 (Ci)	Pu-242 (Ci)	Ra-226 (Ci)
Half-life in years		1.57 E+07	8.55 E-01	9.58 E-02	1.00 E+02	2.62 E+00	3.79 E-01	8.77 E+01	2.41 E+04	6.56 E+03	1.44 E+01	3.75 E+05	1.60 E+03
118-B-1	564143				9.66 E+01								
216-S-16P	565133								2.26 E+01				
216-U-11	565134												
118-C-1	565143				6.26 E+01								
116-B-2	565144							9.00 E-05	7.30 E-03	7.99 E-03			
116-B-3	565144							1.22 E-03	6.03 E-03	6.70 E-04			
116-B-4	565144												
116-B-5	565144												
116-B-6A	565144								1.80 E-03	2.00 E-04			
116-B-6B	565144							1.00 E-05					
116-C-2A	565144												
116-C-2C	565144							1.12 E-01	1.08 E-01	1.20 E-02			
118-B-2	565144												
118-B-3	565144												
118-B-4	565144												
118-B-5	565144												
118-B-6	565144												
118-B-7	565144												
118-C-2	565144				1.60 E+00								
100-B/C PIPING	565145									1.30 E-02			
116-B-1	565145							9.00 E-05	7.30 E-03	7.99 E-03			
116-B-11	565145							1.50 E-02	7.50 E-01				
116-C-1	565145								1.17 E-01	1.30 E-02			
116-C-5	565145								2.50 E-01				
216-S-10D	566133							1.54 E-04	3.49 E-02	1.34 E-03	1.90 E-02	1.14 E-07	
216-S-11	566133							4.77 E-04	2.36 E-02	4.14 E-03	5.88 E-02	3.54 E-07	
216-S-17	566133							4.62 E-03	3.59 E-01	4.01 E-02	5.69 E-01	3.43 E-06	
216-S-5	566133							8.93 E-01	6.95 E+01	7.75 E+00	1.10 E+02	6.63 E-04	
216-S-6	566133							7.28 E-01	5.66 E+01	6.32 E+00	8.96 E+01	5.40 E-04	
216-S-1&2	566134							1.85 E+00	1.44 E+02	1.60 E+01	2.27 E+02	1.37 E-03	
216-S-21	566134							3.20 E-03	2.50 E-01	2.78 E-02	3.94 E-01	2.38 E-06	
216-S-25	566134							7.17 E-05	1.47 E-02	6.23 E-04	8.83 E-03	5.32 E-08	
216-S-3	566134							7.70 E-04	5.99 E-02	6.68 E-03	9.48 E-02	5.71 E-07	
216-S-4	566134												
216-S-8	566134							3.08 E-03	2.40 E-01	2.67 E-02	3.79 E-01	2.29 E-06	

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Re-187 (Ci)	Ru-103 (Ci)	Ru-106 (Ci)	Sb-125 (Ci)	Sn-113 (Ci)	Sn-123M (Ci)	Sr-90 (Ci)	Tc-99 (Ci)	Th-232 (Ci)	U-234 (Ci)	U-235 (Ci)	U-238 (Ci)	Zr-95 (Ci)
Half-life in years		6.26 E+01	1.08 E-01	1.02 E+00	2.76 E+00	3.15 E-01	3.54 E-01	2.91 E+01	2.13 E+05	1.40 E+10	2.46 E+05	7.04 E+08	4.47 E+09	1.75 E-01
118-B-1	564143							1.50 E+00						
216-S-16P	565133			4.47 E-06				1.19 E+02				7.35 E-03	1.04 E+00	
216-U-11	565134			1.60 E-05				4.10 E-02						
118-C-1	565143							1.30 E+00						
116-B-2	565144							7.04 E-02				1.30 E-04	1.29 E-02	
116-B-3	565144							1.96 E-02					3.40 E-04	
116-B-4	565144													
116-B-5	565144							1.15 E-03				2.00 E-05	2.77 E-03	
116-B-6A	565144							9.00 E-01					8.80 E-04	
116-B-6B	565144							1.90 E-04						
116-C-2A	565144							9.82 E-01				9.90 E-04		
116-C-2C	565144							1.80 E+00					1.20 E-01	
118-B-2	565144													
118-B-3	565144													
118-B-4	565144													
118-B-5	565144													
118-B-6	565144													
118-B-7	565144													
118-C-2	565144													
100-B/C PIPING	565145											4.60 E-03		
116-B-1	565145							7.04 E-02				1.30 E-04	1.29 E-02	
116-B-11	565145							4.26 E-01				2.60 E-02		
116-C-1	565145							1.64 E+00				3.10 E-04	3.56 E-02	
116-C-5	565145							1.89 E+00				1.80 E-01		
216-S-10D	566133			3.46 E-01				2.83 E+00				4.70 E-04	6.66 E-02	
216-S-11	566133			2.92 E-01				1.78 E+00				4.80 E-05	6.80 E-03	
216-S-17	566133			3.12 E-10				4.41 E+01				3.17 E-04	4.50 E-02	
216-S-5	566133			7.14 E-10				1.34 E+02				6.35 E-04	9.01 E-02	
216-S-6	566133			5.89 E-06				5.19 E+02				6.34 E-04	9.00 E-02	
216-S-1&2	566134			6.19 E-08				3.63 E+03				5.29 E-03	7.51 E-01	
216-S-21	566134			1.39 E-06				1.26 E+02				9.80 E-06	1.39 E-03	
216-S-25	566134			1.60 E-05				1.65 E-01				3.89 E-04	5.51 E-02	
216-S-3	566134			1.09 E-09				2.19 E+01				8.89 E-07	1.26 E-04	
216-S-4	566134													
216-S-8	566134			1.30 E-10				5.64 E+00				4.55 E-04	6.45 E-02	

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Am-241 (Ci)	C-14 (Ci)	Ce-144 (Ci)	Co-58 (Ci)	Co-60 (Ci)	Cs-134 (Ci)	Cs-137 (Ci)	Eu-152 (Ci)	Eu-154 (Ci)	Eu-155 (Ci)	Fe-59 (Ci)	H-3 (Ci)
Half-life in years		4.33 E+02	5.73 E+01	7.79 E-01	1.94 E-01	5.27 E+00	2.07 E+00	3.02 E+01	1.35 E+01	8.59 E+00	4.71 E+00	1.22 E-01	1.23 E+01
216-U-10	566134	5.32 E+01						3.31 E+01					1.96 E+02
216-U-3	566134	6.59 E-04						8.93 E-01					
216-Z-11	566134												
216-Z-1D	566134												
216-T-19	566135	9.58 E-02						2.14 E+02					4.25 E+00
216-U-13	566135	6.59 E-04						1.32 E-01					
216-Z-1&2	566135	4.63 E+01						1.18 E-01					
216-Z-10	566135	3.29 E-01											
216-Z-12	566135	1.65 E+02						1.58 E-01					
216-Z-16	566135	4.72 E-01						5.00 E-04					
216-Z-17	566135	3.31 E-01						2.24 E-04					
216-Z-18	566135	1.51 E+02											
216-Z-1A	566135	3.78 E+02						4.73 E-01					
216-Z-20	566135	1.01 E+00						2.91 E-01					
216-Z-3	566135	3.75 E+01						1.40 E-01					
216-Z-4	566135	1.32 E-02						1.02 E-01					
216-Z-5	566135	2.24 E+00						8.70 E+00					
216-Z-6	566135	3.29 E-02						1.02 E-01					
216-Z-7	566135	1.32 E+01						6.07 E+02					
216-Z-8	566135	3.19 E-01											
216-Z-9	566135	2.52 E+02						1.50 E-01					
216-T-1	566136	6.59 E-04						1.12 E-01					
216-T-14	566136	5.80 E-03						4.02 E+02					
216-T-15	566136	6.19 E-03						8.91 E+02					
216-T-16	566136	4.28 E-03						4.48 E+02					
216-T-17	566136	3.49 E-03						3.19 E+02					
216-T-18	566136	1.19 E+01						5.03 E+01					
216-T-21	566136	6.59 E-03						3.45 E+02					
216-T-22	566136	1.32 E-02						1.59 E+03					
216-T-23	566136	6.59 E-03						1.15 E+03					
216-T-24	566136	1.32 E-02						1.23 E+03					
216-T-25	566136	6.59 E-03						7.57 E+03					
216-T-26	566136	3.89 E-01						4.33 E+02					
216-T-27	566136	8.56 E-02						1.85 E+02					
216-T-28	566136	4.61 E-01						4.93 E+02					

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Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	I-129 (Ci)	Mn-54 (Ci)	Nb-95 (Ci)	Ni-63 (Ci)	Pm-147 (Ci)	Po-210 (Ci)	Pu-238 (Ci)	Pu-239 (Ci)	Pu-240 (Ci)	Pu-241 (Ci)	Pu-242 (Ci)	Ra-226 (Ci)
Half-life in years		1.57 E+07	8.55 E-01	9.58 E-02	1.00 E+02	2.62 E+00	3.79 E-01	8.77 E+01	2.41 E+04	6.56 E+03	1.44 E+01	3.75 E+05	1.60 E+03
216-U-10	566134							1.23 E+01	9.72 E+02	1.07 E+02	1.52 E+03	9.14 E-03	
216-U-3	566134							1.54 E-04	1.20 E-02	1.34 E-03	1.90 E-02	1.14 E-07	
216-Z-11	566134								1.37 E+02	3.70 E+01			
216-Z-1D	566134								1.37 E+02	3.70 E+01			
216-T-19	566135							2.22 E-02	1.72 E+00	1.92 E-01	2.73 E+00	1.65 E-05	
216-U-13	566135							1.54 E-04	1.20 E-02	1.34 E-03	1.90 E-02	1.14 E-07	
216-Z-1&2	566135							1.08 E+01	8.42 E+02	9.39 E+01	1.33 E+03	8.03 E-03	
216-Z-10	566135							7.70 E-02	5.99 E+00	6.68 E-01	9.48 E+00	5.71 E-05	
216-Z-12	566135							3.86 E+01	3.01 E+03	3.35 E+02	4.76 E+03	2.87 E-02	
216-Z-16	566135							1.10 E-01	8.58 E+00	9.57 E-01	1.36 E+01	8.18 E-05	
216-Z-17	566135							7.73 E-02	6.01 E+00	6.71 E-01	9.51 E+00	5.74 E-05	
216-Z-18	566135							3.52 E+01	2.75 E+03	3.06 E+02	4.34 E+03	2.62 E-02	
216-Z-1A	566135							8.84 E+01	6.88 E+03	7.68 E+02	1.09 E+04	6.56 E-02	
216-Z-20	566135							1.55 E-02	4.26 E+00	1.98 E-03	2.54 E+00	1.69 E-07	
216-Z-3	566135							8.77 E+00	6.83 E+02	7.62 E+01	1.08 E+03	6.51 E-03	
216-Z-4	566135							3.08 E-03	2.40 E-01	2.67 E-02	3.79 E-01	2.29 E-06	
216-Z-5	566135							5.23 E-01	4.08 E+01	4.54 E+00	6.44 E+01	3.88 E-04	
216-Z-6	566135							7.70 E-03	5.99 E-01	6.68 E-02	9.48 E-01	5.71 E-06	
216-Z-7	566135							3.08 E+00	2.40 E+02	2.67 E+01	3.79 E+02	2.29 E-03	
216-Z-8	566135							7.45 E-02	5.80 E+00	6.47 E-01	9.17 E+00	5.53 E-05	
216-Z-9	566135							5.89 E+01	4.59 E+03	5.12 E+02	7.26 E+03	4.38 E-02	
216-T-1	566136							1.54 E-04	1.20 E-02	1.34 E-03	1.90 E-02	1.14 E-07	
216-T-14	566136							1.35 E-03	1.05 E-01	1.18 E-02	1.67 E-01	1.01 E-06	
216-T-15	566136							1.45 E-03	1.13 E-01	1.26 E-02	1.78 E-01	1.07 E-06	
216-T-16	566136							1.00 E-03	7.79 E-02	8.69 E-03	1.23 E-01	7.43 E-07	
216-T-17	566136							8.16 E-04	6.35 E-02	7.08 E-03	1.00 E-01	6.06 E-07	
216-T-18	566136							2.77 E+00	2.16 E+02	2.41 E+01	3.41 E+02	2.06 E-03	
216-T-21	566136							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-T-22	566136							3.08 E-03	2.40 E-01	2.67 E-02	3.79 E-01	2.29 E-06	
216-T-23	566136							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-T-24	566136							3.08 E-03	2.40 E-01	2.67 E-02	3.79 E-01	2.29 E-06	
216-T-25	566136							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-T-26	566136							9.08 E-02	7.07 E+00	7.88 E-01	1.12 E+01	6.74 E-05	
216-T-27	566136							2.00 E-02	1.56 E+00	1.74 E-01	2.46 E+00	1.49 E-05	
216-T-28	566136							1.08 E-01	8.39 E+00	9.35 E-01	1.33 E+01	8.00 E-05	

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Re-187 (Ci)	Ru-103 (Ci)	Ru-106 (Ci)	Sb-125 (Ci)	Sn-113 (Ci)	Sn-123M (Ci)	Sr-90 (Ci)	Tc-99 (Ci)	Th-232 (Ci)	U-234 (Ci)	U-235 (Ci)	U-238 (Ci)	Zr-95 (Ci)
Half-life in years		6.26 E+01	1.08 E-01	1.02 E+00	2.76 E+00	3.15 E-01	3.54 E-01	2.91 E+01	2.13 E+05	1.40 E+10	2.46 E+05	7.04 E+02	4.47 E+09	1.75 E-01
216-U-10	566134			2.78 E-05				3.31 E+01				1.32 E-02	1.87 E+00	
216-U-3	566134			1.38 E-11				5.00 E-01				4.24 E-05	6.01 E-03	
216-Z-11	566134													
216-Z-1D	566134													
216-T-19	566135			6.03 E-06				2.24 E+02				2.23 E-05	3.17 E-03	
216-U-13	566135			1.38 E-10				1.30 E-01				1.06 E-06	1.50 E-04	
216-Z-1&2	566135			1.57 E-11				1.16 E-01				1.89 E-04	2.68 E-02	
216-Z-10	566135													
216-Z-12	566135			9.32 E-07				1.56 E-01				1.17 E-07	1.66 E-05	
216-Z-16	566135							5.00 E-04						
216-Z-17	566135							2.24 E-04						
216-Z-18	566135													
216-Z-1A	566135			5.20 E-06				4.66 E-01				3.51 E-07	4.97 E-05	
216-Z-20	566135			1.07 E-04				2.71 E-01						
216-Z-3	566135			6.04 E-09				1.37 E-01				1.17 E-07	1.66 E-05	
216-Z-4	566135			2.78 E-14				9.99 E-02				1.17 E-07	1.66 E-05	
216-Z-5	566135			5.18 E-12				6.77 E+00				1.17 E-07	1.66 E-05	
216-Z-6	566135			2.78 E-14				9.99 E-02				1.17 E-07	1.66 E-05	
216-Z-7	566135			5.14 E-06				6.04 E+02				1.05 E-05	1.49 E-03	
216-Z-8	566135													
216-Z-9	566135			1.89 E-08				1.48 E-01				1.17 E-07	1.66 E-05	
216-T-1	566136			4.39 E-13				1.10 E-01				1.05 E-05	1.49 E-03	
216-T-14	566136			2.07 E-10				2.00 E+02				7.07 E-05	1.00 E-02	
216-T-15	566136			1.66 E-10				4.49 E+02				6.35 E-05	9.01 E-03	
216-T-16	566136			1.79 E-10				2.24 E+02				5.18 E-05	7.35 E-03	
216-T-17	566136			1.38 E-10				1.58 E+02				4.74 E-05	6.72 E-03	
216-T-18	566136			1.38 E-09				2.89 E+01				6.35 E-05	9.01 E-03	
216-T-21	566136			8.56 E-10				1.74 E+02				2.33 E-06	3.31 E-04	
216-T-22	566136			4.14 E-10				8.11 E+02				4.67 E-06	6.62 E-04	
216-T-23	566136			3.59 E-10				5.87 E+02				2.33 E-06	3.31 E-04	
216-T-24	566136			4.42 E-10				6.26 E+02				1.94 E-05	2.75 E-03	
216-T-25	566136			1.38 E-09				3.71 E+03				2.12 E-06	3.01 E-04	
216-T-26	566136			8.02 E-08				6.39 E+02				3.50 E-04	4.97 E-02	
216-T-27	566136			4.09 E-05				2.04 E+02				1.69 E-05	2.40 E-03	
216-T-28	566136			1.96 E-05				4.06 E+02				9.10 E-04	1.29 E-01	

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Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Am-241 (Ci)	C-14 (Ci)	Ce-144 (Ci)	Co-58 (Ci)	Co-60 (Ci)	Cs-134 (Ci)	Cs-137 (Ci)	Eu-152 (Ci)	Eu-154 (Ci)	Eu-155 (Ci)	Fe-59 (Ci)	H-3 (Ci)
Half-life in years		4.33 E+02	5.73 E+01	7.79 E-01	1.94 E-01	5.27 E+00	2.07 E+00	3.02 E+01	1.35 E+01	8.59 E+00	4.71 E+00	1.22 E-01	1.23 E+01
216-T-32	566136	2.11 E+01						3.01 E+01					
216-T-36	566136	1.63 E-02						1.18 E+01					
216-T-5	566136	1.19 E+00						6.14 E+01					
216-T-7	566136	8.56 E-01						6.58 E+01					
218-W-1	566136	6.19 E+02						1.64 E+00					
218-W-11	566136							1.05 E-03					
218-W-2	566136	8.30 E+02						4.68 E+00					
218-W-2A	566136	4.20 E+01				3.24 E-01		2.77 E+03					
218-W-3	566136	4.48 E+02						9.16 E+00					
218-W-4A	566136	2.33 E+02						3.93 E+01					
216-T-4B	566137	2.44 E-02						1.57 E+01					
216-S-14	567133												2.00 E-02
216-S-19	567133	1.36 E-01						3.85 E+00					1.87 E-01
216-S-20	567133	1.13 E+00						1.35 E+02					
216-S-22	567133	6.65 E-04						1.39 E+00					
216-S-26	567133	5.80 E-04						8.09 E-03					
216-S-12	567134	6.59 E-03						1.26 E+00					
216-S-13	567134	5.27 E-02						5.52 E+00					
216-S-23	567134	6.55 E-03						8.01 E+00					
216-S-7	567134	2.90 E+00						2.79 E+03					
216-S-9	567134	4.28 E-01						6.67 E+02					
216-U-12	567134	1.30 E-02						5.61 E+01					1.88 E-03
216-U-16	567134	2.33 E-01						4.23 E-02					
216-U-17	567134	5.30 E-05											6.97 E+01
216-U-8	567134	2.44 E+00						3.71 E-01					
218-W-9	567134							9.22 E-04					
216-U-1&2	567135	2.81 E-01						1.07 E+01					
216-U-15	567135	6.59 E-04						1.37 E-01					
216-U-4A	567135	5.93 E-05						3.79 E-01					
216-U-4B	567135	3.56 E-04						3.88 E-01					
216-U-5	567135	3.29 E-04						6.03 E-02					
216-U-6	567135	3.29 E-04						6.03 E-02					
216-W-LWC	567135	3.89 E-02						8.48 E-01					4.88 E-06
216-T-12	567136	6.59 E-03						1.06 E+01					
216-T-20	567136							1.26 E+00					

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	I-129 (Ci)	Mn-54 (Ci)	Nb-95 (Ci)	Ni-63 (Ci)	Pm-147 (Ci)	Po-210 (Ci)	Pu-238 (Ci)	Pu-239 (Ci)	Pu-240 (Ci)	Pu-241 (Ci)	Pu-242 (Ci)	Ra-226 (Ci)
Half-life in years		1.57 E+07	8.55 E-01	9.58 E-02	1.00 E+02	2.62 E+00	3.79 E-01	8.77 E+01	2.41 E+04	6.56 E+03	1.44 E+01	3.75 E+05	1.60 E+03
216-T-32	566136							4.92 E+00	3.83 E+02	4.28 E+01	6.06 E+02	3.66 E-03	
216-T-36	566136							3.82 E-03	2.97 E-01	3.31 E-02	4.70 E-01	2.83 E-06	
216-T-5	566136							2.77 E-01	2.16 E+01	2.41 E+00	3.41 E+01	2.06 E-04	
216-T-7	566136							2.00 E-01	1.56 E+01	1.74 E+00	2.46 E+01	1.49 E-04	
218-W-1	566136							1.45 E+02	5.49 E+03	1.26 E+03	1.78 E+04	1.07 E-01	
218-W-11	566136												
218-W-2	566136							1.94 E+02	7.36 E+03	1.68 E+03	2.39 E+04	1.44 E-01	
218-W-2A	566136							9.82 E+00	3.73 E+02	8.53 E+01	1.21 E+03	7.29 E-03	
218-W-3	566136							1.05 E+02	3.97 E+03	9.09 E+02	1.29 E+04	7.77 E-02	
218-W-4A	566136					1.18 E+00		5.44 E+01	2.07 E+03	4.73 E+02	6.71 E+03	4.04 E-02	
216-T-4B	566137							5.71 E-03	4.45 E-01	4.96 E-02	7.03 E-01	4.24 E-06	
216-S-14	567133												
216-S-19	567133							3.17 E-02	2.46 E+00	2.75 E-01	3.90 E+00	2.35 E-05	
216-S-20	567133							2.63 E-01	2.05 E+01	2.29 E+00	3.24 E+01	1.95 E-04	
216-S-22	567133							1.55 E-04	1.21 E-02	1.35 E-03	1.91 E-02	1.15 E-07	
216-S-26	567133								9.35 E-04				
216-S-12	567134							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-S-13	567134							1.23 E-02	9.58 E-01	1.07 E-01	1.52 E+00	9.14 E-06	
216-S-23	567134							1.53 E-03	1.19 E-01	1.33 E-02	1.88 E-01	1.14 E-06	
216-S-7	567134							6.77 E-01	5.27 E+01	5.88 E+00	8.34 E+01	5.03 E-04	
216-S-9	567134							1.00 E-01	7.79 E+00	8.69 E-01	1.23 E+01	7.43 E-05	
216-U-12	567134							1.54 E-03	1.76 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-U-16	567134								9.76 E-02				
216-U-17	567134								2.25 E-04				
216-U-8	567134							5.69 E-01	4.43 E+01	4.94 E+00	7.01 E+01	4.23 E-04	
218-W-9	567134												
216-U-1&2	567135							6.56 E-02	5.11 E+00	5.69 E-01	8.07 E+00	4.87 E-05	
216-U-15	567135							1.54 E-04	1.20 E-02	1.34 E-03	1.90 E-02	1.14 E-07	
216-U-4A	567135							1.39 E-05	1.08 E-03	1.20 E-04	1.71 E-03	1.03 E-08	
216-U-4B	567135							8.31 E-05	6.47 E-03	7.22 E-04	1.02 E-02	6.17 E-08	
216-U-5	567135							7.70 E-05	5.99 E-03	6.68 E-04	9.48 E-03	5.71 E-08	
216-U-6	567135							7.70 E-05	5.99 E-03	6.68 E-04	9.48 E-03	5.71 E-08	
216-W-LWC	567135							6.76 E-04	2.14 E-01	5.87 E-03	8.32 E-02	5.02 E-07	
216-T-12	567136							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-T-20	567136												

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Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Re-187 (Ci)	Ru-103 (Ci)	Ru-106 (Ci)	Sb-125 (Ci)	Sn-113 (Ci)	Sn-123M (Ci)	Sr-90 (Ci)	Tc-99 (Ci)	Th-232 (Ci)	U-234 (Ci)	U-235 (Ci)	U-238 (Ci)	Zr-95 (Ci)
Half-life in years		6.26 E+01	1.08 E-01	1.02 E+00	2.76 E+00	3.15 E-01	3.54 E-01	2.91 E+01	2.13 E+05	1.40 E+10	2.46 E+05	7.04 E+08	4.47 E+09	1.75 E-01
216-T-32	566136			4.44 E-11				3.13 E+01				5.30 E-03	7.52 E-01	
216-T-36	566136			5.24 E-06				1.24 E+01				2.75 E-06	3.90 E-04	
216-T-5	566136			8.25 E-10				3.07 E+01				1.06 E-05	1.50 E-03	
216-T-7	566136			1.02 E-09				6.86 E+01				2.12 E-05	3.01 E-03	
218-W-1	566136			8.83 E-12				1.44 E+00				1.06 E-02	2.33 E-01	
218-W-11	566136			3.13 E-12				9.40 E-04						
218-W-2	566136			5.72 E-10				4.14 E+00				2.12 E-02	4.66 E-01	
218-W-2A	566136			2.51 E-03				2.47 E+03				4.07 E-02	8.95 E-01	
218-W-3	566136			1.32 E-08				8.15 E+00				1.06 E+00	2.33 E+01	
218-W-4A	566136			8.42 E-06				3.54 E+01				5.96 E+00	1.31 E+02	
216-T-4B	566137			8.67 E-07				1.28 E+01				1.62 E-03	2.30 E-01	
216-S-14	567133													
216-S-19	567133			3.89 E-07				3.86 E+00				3.63 E-04	5.14 E-02	
216-S-20	567133			2.49 E-07				1.01 E+02				8.75 E-05	1.24 E-02	
216-S-22	567133			1.41 E-09				1.37 E+00				1.06 E-07	1.50 E-05	
216-S-26	567133							6.83 E-03						
216-S-12	567134			1.38 E-11				1.24 E+00				1.16 E-05	1.65 E-03	
216-S-13	567134			2.36 E-06				2.77 E+00				2.12 E-04	3.01 E-02	
216-S-23	567134			3.49 E-05				5.68 E+00				9.03 E-07	1.28 E-04	
216-S-7	567134			1.30 E-06				3.48 E+03				6.03 E-03	8.56 E-01	
216-S-9	567134			2.87 E-04				4.73 E+02				7.91 E-04	1.12 E-02	
216-U-12	567134			2.18 E-06				1.12 E+02				4.74 E-03	6.72 E-01	
216-U-16	567134							3.50 E-02				4.14 E-05	5.88 E-03	
216-U-17	567134											3.35 E-06	4.75 E-04	
216-U-8	567134			1.16 E-08				3.68 E-01				5.61 E-02	7.95 E+00	
218-W-9	567134			5.77 E-14				8.15 E-04						
216-U-1&2	567135			6.08 E-07				8.41 E+00				4.91 E-03	6.97 E-01	
216-U-15	567135			1.09 E-10				1.34 E-01				5.29 E-06	7.51 E-04	
216-U-4A	567135			1.23 E-07				2.09 E-01				2.07 E-05	2.93 E-03	
216-U-4B	567135							1.92 E-01						
216-U-5	567135			1.74 E-13				5.91 E-02				8.47 E-04	1.20 E-01	
216-U-6	567135			1.74 E-13				5.91 E-02				8.47 E-04	1.20 E-01	
216-W-LWC	567135							7.67 E-01				4.01 E-06	5.69 E-04	
216-T-12	567136			1.38 E-10				8.30 E+00				1.06 E-04	1.50 E-02	
216-T-20	567136			7.44 E-12				1.20 E+00				1.17 E-05	1.66 E-03	

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Am-241 (Ci)	C-14 (Ci)	Ce-144 (Ci)	Co-58 (Ci)	Co-60 (Ci)	Cs-134 (Ci)	Cs-137 (Ci)	Eu-152 (Ci)	Eu-154 (Ci)	Eu-155 (Ci)	Fe-59 (Ci)	H-3 (Ci)
Half-life in years		4.33 E+02	5.73 E+01	7.79 E-01	1.94 E-01	5.27 E+00	2.07 E+00	3.02 E+01	1.35 E+01	8.59 E+00	4.71 E+00	1.22 E-01	1.23 E+01
216-T-3	567136	2.21 E+01						2.52 E+01					
216-T-33	567136	3.29 E-02						7.97 E-01					
216-T-6	567136	2.57 E+00						3.42 E+02					
216-T-8	567136	3.29 E-02						1.17 E+00					
218-W-7	567136	4.61 E-03						3.92 E+01					
218-W-8	567136	1.98 E-03						6.40 E+00					
216-T-34	567137	7.05 E-01						4.91 E+02					
216-T-35	567137	4.36 E-01						3.45 E+01					
218-W-1A	567137	1.32 E+01						4.08 E+02					
116-KW-1	568146		1.10 E+02			1.01 E-03	4.00 E-05	3.64 E-03		8.00 E-05	9.50 E-04		8.19 E+01
116-KW-3	568146					1.02 E-01	3.45 E-04	4.05 E-01	8.37 E-01	2.01 E-01	1.56 E-01		2.22 E-01
216-N-2	569140							2.24 E-01					
216-N-3	569140							2.51 E-01					
116-KE-1	569146		1.10 E+02					4.87 E-01					5.65 E+01
116-KE-2	569146		1.20 E-01			1.11 E+01		6.62 E-01	2.63 E-03	1.70 E-01	1.52 E-02		4.28 E-01
116-KE-4	569146					2.95 E-01	6.27 E-04	1.35 E+00	1.20 E+00	3.30 E-01	7.35 E-02		7.40 E-02
118-K-1	569146		1.56 E+00			2.63 E+03		7.60 E+00	4.72 E+01	8.46 E+01			7.00 E+00
116-K-1	569147					2.83 E+00	1.13 E-02	1.82 E+01	6.57 E+00	2.11 E+00	1.07 E-01		
116-K-2	569147		9.39 E-01			5.40 E+01	7.51 E-01	1.49 E+02	7.23 E+02	2.11 E+02	1.07 E+01		1.57 E+01
216-N-4	570140	6.59 E-03						2.31 E-01					
216-N-5	570140							2.51 E-01					
216-N-6	571140	6.59 E-03						2.31 E-01					
216-N-7	571140							2.51 E-01					
116-N-1	571149					3.80 E+03	5.10 E+01	2.30 E+03					
116-N-3	571149					1.30 E+02	1.40 E-01	3.50 E+02					
UPR-100-N-12	571149			3.40 E-02		1.90 E-01		4.00 E-01					
UPR-100-N-3	571149			1.40 E-01		7.00 E-02		2.50 E-01					1.00 E+00
UPR-100-N-5	571149					4.13 E+00							
UPR-100-N-6	571149					2.00 E-01		3.00 E-03					
UPR-100-N-7	571149			2.00 E-01		5.00 E+00						1.20 E+00	
118-D-2	572150		6.60 E-01			8.49 E+02		1.50 E+00	1.63 E+01	2.79 E+01			3.50 E+00
216-B-14	573134	1.65 E-01						3.98 E+02					
216-B-15	573134	3.29 E-02						2.71 E+02					
216-B-16	573134	6.59 E-02						8.86 E+02					
216-B-17	573134	6.59 E-02						2.65 E+02					

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Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	I-129 (Ci)	Mn-54 (Ci)	Nb-95 (Ci)	Ni-63 (Ci)	Pm-147 (Ci)	Po-210 (Ci)	Pu-238 (Ci)	Pu-239 (Ci)	Pu-240 (Ci)	Pu-241 (Ci)	Pu-242 (Ci)	Ra-226 (Ci)
Half-life in years		1.57 E+07	8.55 E-01	9.58 E-02	1.00 E+02	2.62 E+00	3.79 E-01	8.77 E+01	2.41 E+04	6.56 E+03	1.44 E+01	3.75 E+05	1.60 E+03
216-T-3	567136							5.16 E+00	4.02 E+02	4.48 E+01	6.35 E+02	3.83 E-03	
216-T-33	567136							7.70 E-03	5.99 E-01	6.68 E-02	9.48 E-01	5.71 E-06	
216-T-6	567136							6.00 E-01	4.67 E+01	5.21 E+00	7.39 E+01	4.46 E-04	
216-T-8	567136							7.70 E-03	5.99 E-01	6.68 E-02	9.48 E-01	5.71 E-06	
218-W-7	567136							1.08 E-03	4.09 E-02	9.35 E-03	1.33 E-01	8.00 E-07	
218-W-8	567136							4.62 E-04	1.75 E-02	4.01 E-03	5.69 E-02	3.43 E-07	
216-T-34	567137							1.65 E-01	1.28 E+01	1.43 E+00	2.03 E+01	1.22 E-04	
216-T-35	567137							1.02 E-01	7.93 E+00	8.85 E-01	1.25 E+01	7.56 E-05	
218-W-1A	567137							3.08 E+00	1.17 E+02	2.67 E+01	3.79 E+02	2.29 E-03	
116-KW-1	568146												
116-KW-3	568146												
216-N-2	569140												
216-N-3	569140												
116-KE-1	569146												
116-KE-2	569146								1.70 E-02	1.90 E-03			
116-KE-4	569146								3.00 E-04				
118-K-1	569146				3.76 E+02				2.16 E-01	1.38 E-02			
116-K-1	569147							1.31 E-02	1.26 E-01	1.40 E-02			
116-K-2	569147				1.41 E+02			1.78 E-01	4.50 E+00	5.00 E-01			
216-N-4	570140							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-N-5	570140												
216-N-6	571140							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-N-7	571140												
116-N-1	571149								1.80 E+01				
116-N-3	571149								2.60 E+00				
UPR-100-N-12	571149								5.70 E-04				
UPR-100-N-3	571149								4.00 E-04				
UPR-100-N-5	571149												
UPR-100-N-6	571149		4.00 E-02										
UPR-100-N-7	571149		3.00 E-01	1.00 E-01									
118-D-2	572150				9.24 E+01								
216-B-14	573134							3.85 E-02	2.99 E+00	3.34 E-01	4.74 E+00	2.86 E-05	
216-B-15	573134							7.70 E-03	5.99 E-01	6.68 E-02	9.48 E-01	5.71 E-06	
216-B-16	573134							1.54 E-02	1.20 E+00	1.34 E-01	1.90 E+00	1.14 E-05	
216-B-17	573134							1.54 E-02	1.20 E+00	1.34 E-01	1.90 E+00	1.14 E-05	

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Re-187 (Ci)	Ru-103 (Ci)	Ru-106 (Ci)	Sb-125 (Ci)	Sn-113 (Ci)	Sn-123M (Ci)	Sr-90 (Ci)	Tc-99 (Ci)	Th-232 (Ci)	U-234 (Ci)	U-235 (Ci)	U-238 (Ci)	Zr-95 (Ci)
Half-life in years		6.26 E+01	1.08 E-01	1.02 E+00	2.76 E+00	3.15 E-01	3.54 E-01	2.91 E+01	2.13 E+05	1.40 E+10	2.46 E+05	7.04 E+08	4.47 E+09	1.75 E-01
216-T-3	567136			5.22 E-12				2.25 E+01						
216-T-33	567136			6.86 E-08				7.86 E-01				1.06 E-05	1.50 E-03	
216-T-6	567136			6.07 E-11				3.56 E+02				5.30 E-05	7.52 E-03	
216-T-8	567136			6.63 E-12				1.15 E+00				1.05 E-05	1.49 E-03	
218-W-7	567136			2.30 E-08				3.48 E+01				1.06 E-05	2.33 E-04	
218-W-8	567136			3.61 E-11				5.63 E+00				4.54 E-06	9.98 E-05	
216-T-34	567137			5.98 E-06				5.12 E+02				9.59 E-06	1.36 E-03	
216-T-35	567137			1.44 E-05				3.42 E+01				1.14 E-04	1.62 E-02	
218-W-1A	567137			5.24 E-09				3.59 E+02				1.36 E-02	2.99 E-01	
116-KW-1	568146							6.22 E-03					1.10 E-04	
116-KW-3	568146							5.68 E-02						
216-N-2	569140			4.73 E-14				2.14 E-01						
216-N-3	569140			1.49 E-12				2.41 E-01						
116-KE-1	569146							4.87 E-01						
116-KE-2	569146							2.13 E+00				2.00 E-05	2.08 E-03	
116-KE-4	569146							1.26 E-01						
118-K-1	569146				2.50 E+01			7.60 E+00						
116-K-1	569147							5.81 E-01						
116-K-2	569147							9.00 E+00				2.78 E-03	3.17 E-01	
216-N-4	570140			3.32 E-13				2.21 E-01				1.06 E-05	1.50 E-03	
216-N-5	570140			1.49 E-12				2.41 E-01						
216-N-6	571140			3.32 E-13				2.21 E-01				1.06 E-05	1.50 E-03	
216-N-7	571140			1.49 E-12				2.41 E-01						
116-N-1	571149			1.20 E+02				1.80 E+03						
116-N-3	571149			6.60 E-01				2.00 E+02						
UPR-100-N-12	571149							1.26 E-01						
UPR-100-N-3	571149							8.00 E-01						
UPR-100-N-5	571149													
UPR-100-N-6	571149		3.00 E-03											
UPR-100-N-7	571149		9.00 E-02						8.00 E-01					2.00 E-01
118-D-2	572150							1.50 E+00						
216-B-14	573134			3.24 E-06				4.56 E+02				5.08 E-04	7.21 E-02	
216-B-15	573134			1.45 E-06				2.66 E+02				2.44 E-04	3.46 E-02	
216-B-16	573134			7.13 E-07				8.92 E+02				7.49 E-04	1.06 E-01	
216-B-17	573134			1.37 E-08				2.34 E+02				8.26 E-04	1.17 E-01	

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Am-241 (Ci)	C-14 (Ci)	Ce-144 (Ci)	Co-58 (Ci)	Co-60 (Ci)	Cs-134 (Ci)	Cs-137 (Ci)	Eu-152 (Ci)	Eu-154 (Ci)	Eu-155 (Ci)	Fe-59 (Ci)	H-3 (Ci)
Half-life in years		4.33 E+02	5.73 E+01	7.79 E-01	1.94 E-01	5.27 E+00	2.07 E+00	3.02 E+01	1.35 E+01	8.59 E+00	4.71 E+00	1.22 E-01	1.23 E+01
216-B-18	573134	6.59 E-02						3.07 E+02					
216-B-19	573134	6.59 E-02						3.35 E+02					
216-B-20	573134	8.56 E-03						1.68 E+03					
216-B-21	573134	6.78 E-02						6.52 E+02					
216-B-22	573134	1.71 E-02						2.20 E+02					
216-B-23	573134	1.19 E-02						1.64 E+02					
216-B-24	573134	5.07 E-02						1.96 E+02					
216-B-25	573134	1.32 E-02						1.40 E+02					
216-B-26	573134	1.65 E-02						1.34 E+03					
216-B-27	573134	4.61 E-03						2.96 E+02					
216-B-28	573134	3.69 E-02						7.12 E+01					
216-B-29	573134	7.24 E-03						1.40 E+02					
216-B-30	573134	1.38 E-02						3.34 E+03					
216-B-31	573134	3.42 E-02						1.19 E+02					
216-B-32	573134	1.71 E-02						2.28 E+02					
216-B-33	573134	7.77 E-02						2.68 E+02					
216-B-34	573134	3.75 E-02						3.38 E+01					
216-B-52	573134	1.25 E-01						3.19 E+02					
216-B-53A	573134	6.59 E-01						1.79 E-01					
216-B-53B	573134	3.29 E-02						1.23 E+01					
216-B-54	573134	3.29 E-02						5.27 E-01					
216-B-58	573134	4.41 E-02						1.43 E+01					
216-B-10A	573136	6.45 E-02						2.68 E+00					
216-B-10B	573136	3.12 E-07						3.35 E-04					
216-B-12	573136	2.46 E+00						1.49 E+03					
216-B-13	573136					5.31 E-04		6.99 E-05					
216-B-5	573136	2.81 E+01						8.32 E+01					
216-B-55	573136	4.30 E-03						3.42 E+01					2.68 E+00
216-B-59	573136							5.36 E-02					
216-B-60	573136	5.27 E-04						9.50 E+00					
216-B-62	573136	1.08 E-01						3.44 E+02					1.47 E+01
216-B-9	573136	1.15 E+00						1.39 E+01					
218-E-2A	573136					1.02 E+04		2.77 E+03					
218-E-4	573136	6.59 E-02						9.40 E-02					
218-E-7	573136	6.59 E-03						4.96 E+00					

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	I-129 (Ci)	Mn-54 (Ci)	Nb-95 (Ci)	Ni-63 (Ci)	Pm-147 (Ci)	Po-210 (Ci)	Pu-238 (Ci)	Pu-239 (Ci)	Pu-240 (Ci)	Pu-241 (Ci)	Pu-242 (Ci)	Ra-226 (Ci)
Half-life in years		1.57 E+07	8.55 E-01	9.58 E-02	1.00 E+02	2.62 E+00	3.79 E-01	8.77 E+01	2.41 E+04	6.56 E+03	1.44 E+01	3.75 E+05	1.60 E+03
216-B-18	573134							1.54 E-02	1.20 E+00	1.34 E-01	1.90 E+00	1.14 E-05	
216-B-19	573134							1.54 E-02	1.20 E+00	1.34 E-01	1.90 E+00	1.14 E-05	
216-B-20	573134							2.00 E-03	1.56 E-01	1.74 E-02	2.46 E-01	1.49 E-06	
216-B-21	573134							1.59 E-02	1.23 E+00	1.38 E-01	1.95 E+00	1.18 E-05	
216-B-22	573134							4.00 E-03	3.12 E-01	3.47 E-02	4.93 E-01	2.97 E-06	
216-B-23	573134							2.77 E-03	2.16 E-01	2.41 E-02	3.41 E-01	2.06 E-06	
216-B-24	573134							1.19 E-02	9.23 E-01	1.03 E-01	1.46 E+00	8.80 E-06	
216-B-25	573134							3.08 E-03	2.40 E-01	2.67 E-02	3.79 E-01	2.29 E-06	
216-B-26	573134							3.85 E-03	2.99 E-01	3.34 E-02	4.74 E-01	2.86 E-06	
216-B-27	573134							1.08 E-03	8.39 E-02	9.35 E-03	1.33 E-01	8.00 E-07	
216-B-28	573134							8.62 E-03	6.71 E-01	7.48 E-02	1.06 E+00	6.40 E-06	
216-B-29	573134							1.69 E-03	1.32 E-01	1.47 E-02	2.08 E-01	1.26 E-06	
216-B-30	573134							3.23 E-03	2.52 E-01	2.81 E-02	3.98 E-01	2.40 E-06	
216-B-31	573134							8.00 E-03	6.23 E-01	6.95 E-02	9.86 E-01	5.94 E-06	
216-B-32	573134							4.00 E-03	3.12 E-01	3.47 E-02	4.93 E-01	2.97 E-06	
216-B-33	573134							1.82 E-02	1.41 E+00	1.58 E-01	2.24 E+00	1.35 E-05	
216-B-34	573134							8.77 E-03	6.83 E-01	7.62 E-02	1.08 E+00	6.51 E-06	
216-B-52	573134							2.92 E-02	2.28 E+00	2.54 E-01	3.60 E+00	2.17 E-05	
216-B-53A	573134							1.54 E-01	1.20 E+01	1.34 E+00	1.90 E+01	1.14 E-04	
216-B-53B	573134							7.70 E-03	5.99 E-01	6.68 E-02	9.48 E-01	5.71 E-06	
216-B-54	573134							7.70 E-03	5.99 E-01	6.68 E-01	9.48 E-01	5.71 E-06	
216-B-58	573134							1.03 E-02	8.02 E-01	8.95 E-02	1.27 E+00	7.66 E-06	
216-B-10A	573136							1.51 E-02	1.17 E+00	1.31 E-01	1.86 E+00	1.12 E-05	
216-B-10B	573136							7.29 E-08	5.68 E-06	6.33 E-07	8.98 E-06	5.42 E-11	
216-B-12	573136							5.76 E-01	4.48 E+01	5.00 E+00	7.09 E+01	4.27 E-04	
216-B-13	573136								4.74 E-05	2.91 E-06			
216-B-5	573136							6.57 E+00	5.11 E+02	5.71 E+01	8.09 E+02	4.88 E-03	
216-B-55	573136							1.00 E-03	8.13 E-02	8.73 E-03	1.24 E-01	7.46 E-07	
216-B-59	573136												
216-B-60	573136							1.23 E-04	9.58 E-03	1.07 E-03	1.52 E-02	9.14 E-08	
216-B-62	573136							1.16 E-03	1.51 E-01	1.01 E-02	1.43 E-01	8.63 E-07	
216-B-9	573136							2.68 E-01	2.09 E+01	2.33 E+00	3.30 E+01	1.99 E-04	
218-E-2A	573136								1.32 E+03				
218-E-4	573136							1.54 E-02	5.84 E-01	1.34 E-01	1.90 E+00	1.14 E-05	
218-E-7	573136							1.54 E-03	5.84 E-02	1.34 E-02	1.90 E-01	1.14 E-06	

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Re-187 (Ci)	Ru-103 (Ci)	Ru-106 (Ci)	Sb-125 (Ci)	Sn-113 (Ci)	Sn-123M (Ci)	Sr-90 (Ci)	Tc-99 (Ci)	Th-232 (Ci)	U-234 (Ci)	U-235 (Ci)	U-238 (Ci)	Zr-95 (Ci)
Half-life in years		6.26 E+01	1.08 E-01	1.02 E+00	2.76 E+00	3.15 E-01	3.54 E-01	2.91 E+01	2.13 E+05	1.40 E+10	2.46 E+05	7.04 E+08	4.47 E+09	1.75 E-01
216-B-18	573134			1.04 E-06				2.74 E+02				5.50 E-04	7.80 E-02	
216-B-19	573134			5.58 E-07				2.97 E+02				4.24 E-04	6.01 E-02	
216-B-20	573134			5.47 E-07				1.34 E+03				8.19 E-04	1.16 E-01	
216-B-21	573134			8.07 E-07				8.01 E+02				1.58 E-03	2.23 E-01	
216-B-22	573134			1.65 E-06				3.75 E+02				9.73 E-04	1.38 E-01	
216-B-23	573134			8.21 E-07				1.76 E+02				3.64 E-04	5.16 E-02	
216-B-24	573134			1.27 E-06				2.15 E+02				5.74 E-04	8.14 E-02	
216-B-25	573134			8.55 E-07				2.03 E+02				3.57 E-04	5.06 E-02	
216-B-26	573134			1.94 E-06				1.38 E+03				1.37 E-03	1.95 E-01	
216-B-27	573134			1.91 E-06				5.43 E+02				7.98 E-04	1.13 E-01	
216-B-28	573134			5.71 E-07				1.10 E+02				7.00 E-04	9.93 E-02	
216-B-29	573134			1.76 E-06				1.98 E+02				8.05 E-04	1.14 E-01	
216-B-30	573134			4.25 E-07				2.04 E+03				2.05 E-04	2.91 E-02	
216-B-31	573134			6.66 E-07				1.98 E+02				2.85 E-04	4.04 E-02	
216-B-32	573134			4.15 E-07				2.83 E+02				2.57 E-05	3.64 E-03	
216-B-33	573134			3.54 E-07				1.59 E+02				4.67 E-05	6.62 E-03	
216-B-34	573134			1.51 E-07				4.40 E+01				1.98 E-04	2.81 E-02	
216-B-52	573134			1.41 E-06				1.63 E+02				6.99 E-05	9.91 E-03	
216-B-53A	573134			1.36 E-07				1.77 E-01				5.29 E-05	7.51 E-03	
216-B-53B	573134			2.06 E-08				1.37 E+01				2.11 E-05	3.00 E-03	
216-B-54	573134			1.57 E-07				5.25 E-01				2.11 E-05	3.00 E-03	
216-B-58	573134			4.69 E-07				1.54 E+01				2.13 E-05	3.02 E-03	
216-B-10A	573136			1.48 E-11				4.17 E+00				2.11 E-05	3.00 E-03	
216-B-10B	573136			2.89 E-12				4.64 E-04				1.74 E-09	2.47 E-07	
216-B-12	573136			5.88 E-05				8.49 E+02				4.87 E-02	6.91 E+00	
216-B-13	573136			2.89 E-12				1.98 E-04				2.49 E-07		
216-B-5	573136			1.03 E-11				7.95 E+01						
216-B-55	573136			5.01 E-05				2.77 E+01				1.88 E-04	2.66 E-02	
216-B-59	573136							7.05 E-02						
216-B-60	573136							4.82 E+00				1.67 E-03	2.37 E-01	
216-B-62	573136			4.92 E-03				2.84 E+02				7.00 E-05	9.93 E-03	
216-B-9	573136			8.07 E-11				1.55 E+01				1.06 E-04	1.50 E-02	
218-E-2A	573136			2.51 E-03								5.82 E+00		
218-E-4	573136			1.50 E-11				8.33 E-02				1.51 E-05	3.33 E-04	
218-E-7	573136			2.48 E-11				4.36 E+00				1.51 E-05	3.33 E-04	

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Am-241 (Ci)	C-14 (Ci)	Ce-144 (Ci)	Co-58 (Ci)	Co-60 (Ci)	Cs-134 (Ci)	Cs-137 (Ci)	Eu-152 (Ci)	Eu-154 (Ci)	Eu-155 (Ci)	Fe-59 (Ci)	H-3 (Ci)
Half-life in years		4.33 E+02	5.73 E+01	7.79 E-01	1.94 E-01	5.27 E+00	2.07 E+00	3.02 E+01	1.35 E+01	8.59 E+00	4.71 E+00	1.22 E-01	1.23 E+01
216-B-11A&B	573137	2.63 E-02						4.38 E+01					
216-B-2-2	573137	2.77 E-04						1.48 E+02					
216-B-2-3	573137							4.32 E+02					
216-B-35	573137	7.90 E-03						4.60 E+02					
216-B-36	573137	5.27 E-03						8.56 E+02					
216-B-37	573137	1.32 E-02						2.65 E+03					
216-B-38	573137	7.90 E-03						1.19 E+03					
216-B-39	573137	9.94 E-03						3.86 E+02					
216-B-40	573137	6.59 E-03						4.15 E+02					
216-B-41	573137	1.98 E-03						7.76 E+02					
216-B-42	573137	6.59 E-02						5.48 E+02					
216-B-43	573137	3.29 E-03						8.30 E+02					
216-B-44	573137	9.88 E-02						1.80 E+03					
216-B-45	573137	6.59 E-02						2.49 E+03					
216-B-46	573137	1.32 E-01						8.09 E+02					
216-B-47	573137	3.29 E-02						3.92 E+02					
216-B-48	573137	3.29 E-02						9.45 E+02					
216-B-49	573137	9.88 E-02						1.50 E+03					
216-B-50	573137	1.57 E-03						1.04 E+02					
216-B-57	573137	1.23 E-03						4.45 E+02					
216-B-7A&B	573137	2.83 E+01						2.29 E+03					
216-B-8	573137	1.98 E-01						4.45 E+01					
218-E-2	573137	5.27 E+00						2.13 E+02					
218-E-5	573137	4.08 E+00						7.07 E+01					
218-E-5A	573137	9.09 E+00						1.65 E+02					
118-D-1	573150					6.16 E+01							
116-D-1A	573151					1.38 E-01	6.10 E-04	1.08 E+00	7.23 E-01	1.13 E-01	3.47 E-02		8.81 E-01
116-D-1B	573151					6.75 E-02	3.10 E-04	5.13 E-01	2.83 E-01	4.27 E-02	2.78 E-01		1.26 E-01
116-D-3	573151							4.09 E-02					
116-D-4	573151							4.09 E-02					
116-DR-3	573151					1.01 E-02	1.00 E-05	3.56 E-02	1.97 E-02	3.09 E-03			2.08 E-01
116-DR-4	573151					1.18 E-03		3.81 E-02	3.15 E-03		1.80 E-04		
116-DR-7	573151							5.00 E-02					
116-DR-8	573151							5.00 E-04					
118-D-3	573151		6.60 E-01			5.90 E+02		1.13 E+00	1.47 E+01	2.64 E+01			3.50 E+00

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	I-129 (Ci)	Mn-54 (Ci)	Nb-95 (Ci)	Ni-63 (Ci)	Pm-147 (Ci)	Po-210 (Ci)	Pu-238 (Ci)	Pu-239 (Ci)	Pu-240 (Ci)	Pu-241 (Ci)	Pu-242 (Ci)	Ra-226 (Ci)
Half-life in years		1.57 E+07	8.55 E-01	9.58 E-02	1.00 E+02	2.62 E+00	3.79 E-01	8.77 E+01	2.41 E+04	6.56 E+03	1.44 E+01	3.75 E+05	1.60 E+03
216-B-11A&B	573137							6.16 E-03	4.80 E-01	5.35 E-02	7.58 E-01	4.57 E-06	
216-B-2-2	573137							6.46 E-05	5.03 E-03	5.61 E-04	7.96 E-03	4.80 E-08	
216-B-2-3	573137												
216-B-35	573137							1.85 E-03	1.44 E-01	1.60 E-02	2.27 E-01	1.37 E-06	
216-B-36	573137							1.23 E-03	9.58 E-02	1.07 E-02	1.52 E-01	9.14 E-07	
216-B-37	573137							3.08 E-03	2.40 E-01	2.67 E-02	3.79 E-01	2.29 E-06	
216-B-38	573137							1.85 E-03	1.44 E-01	1.60 E-02	2.27 E-01	1.37 E-06	
216-B-39	573137							2.32 E-03	1.81 E-01	2.02 E-02	2.86 E-01	1.73 E-06	
216-B-40	573137							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-B-41	573137							4.62 E-04	3.59 E-02	4.01 E-03	5.69 E-02	3.43 E-07	
216-B-42	573137							1.54 E-02	1.20 E+00	1.34 E-01	1.90 E+00	1.14 E-05	
216-B-43	573137							7.70 E-04	5.99 E-02	6.68 E-03	9.48 E-02	5.71 E-07	
216-B-44	573137							2.31 E-02	1.80 E+00	2.00 E-01	2.84 E+00	1.71 E-05	
216-B-45	573137							1.54 E-02	1.20 E+00	1.34 E-01	1.90 E+00	1.14 E-05	
216-B-46	573137							3.08 E-02	2.40 E+00	2.67 E-01	3.79 E+00	2.29 E-05	
216-B-47	573137							7.70 E-03	5.99 E-01	6.68 E-02	9.48 E-01	5.71 E-06	
216-B-48	573137							7.70 E-03	5.99 E-01	6.68 E-02	9.48 E-01	5.71 E-06	
216-B-49	573137							2.31 E-02	2.63 E+02	2.00 E-01	2.84 E+00	1.71 E-05	
216-B-50	573137							3.68 E-04	2.87 E-02	3.19 E-03	4.53 E-02	2.73 E-07	
216-B-57	573137							2.88 E-04	2.24 E-02	2.50 E-03	3.54 E-02	2.14 E-07	
216-B-7A&B	573137							6.62 E+00	5.15 E+02	5.75 E+01	8.15 E+02	4.91 E-03	
216-B-8	573137							4.62 E-02	3.59 E+00	4.01 E-01	5.69 E+00	3.43 E-05	
218-E-2	573137							1.23 E+00	4.67 E+01	1.07 E+01	1.52 E+02	9.14 E-04	
218-E-5	573137							9.54 E-01	3.62 E+01	8.29 E+00	1.18 E+02	7.08 E-04	
218-E-5A	573137							2.12 E+00	8.06 E+01	1.84 E+01	2.62 E+02	1.58 E-03	
118-D-1	573150												
116-D-1A	573151								1.80 E-02	2.00 E-03			
116-D-1B	573151								6.03 E-03	6.70 E-04			
116-D-3	573151												
116-D-4	573151												
116-DR-3	573151								2.97 E-03	3.30 E-04			
116-DR-4	573151								9.00 E-05	1.00 E-05			
116-DR-7	573151												
116-DR-8	573151												
118-D-3	573151				5.18 E+01								

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Re-187 (Ci)	Ru-103 (Ci)	Ru-106 (Ci)	Sb-125 (Ci)	Sn-113 (Ci)	Sn-123M (Ci)	Sr-90 (Ci)	Tc-99 (Ci)	Th-232 (Ci)	U-234 (Ci)	U-235 (Ci)	U-238 (Ci)	Zr-95 (Ci)
Half-life in years		6.26 E+01	1.08 E-01	1.02 E+00	2.76 E+00	3.15 E-01	3.54 E-01	2.91 E+01	2.13 E+05	1.40 E+10	2.46 E+05	7.04 E+08	4.47 E+09	1.75 E-01
216-B-11A&B	573137			4.25 E-10				2.45 E+01				3.18 E-05	4.51 E-03	
216-B-2-2	573137							2.95 E+02				1.10 E-07	1.56 E-05	
216-B-2-3	573137							8.64 E+02						
216-B-35	573137			3.16 E-09				3.71 E+02				3.90 E-05	5.53 E-03	
216-B-36	573137			6.50 E-09				7.19 E+02				3.72 E-05	5.28 E-03	
216-B-37	573137			6.90 E-09				1.31 E+03				8.47 E-06	1.20 E-03	
216-B-38	573137			7.73 E-09				1.73 E+03				9.87 E-05	1.40 E-02	
216-B-39	573137			5.75 E-10				2.03 E+02				1.35 E-05	1.92 E-03	
216-B-40	573137			3.37 E-09				3.77 E+02				8.19 E-05	1.16 E-02	
216-B-41	573137			1.81 E-09				4.09 E+02				1.75 E-05	2.48 E-03	
216-B-42	573137			4.13 E-08				9.68 E+02				1.59 E-03	2.25 E-01	
216-B-43	573137			6.90 E-10				1.27 E+03				3.18 E-05	4.51 E-03	
216-B-44	573137			1.40 E-07				2.70 E+03				5.29 E-06	7.51 E-04	
216-B-45	573137			4.68 E-07				3.00 E+03				1.59 E-05	2.25 E-03	
216-B-46	573137			7.70 E-07				1.35 E+03				4.45 E-04	6.31 E-02	
216-B-47	573137			5.23 E-07				5.86 E+02				1.59 E-05	2.25 E-03	
216-B-48	573137			1.87 E-07				1.29 E+03				5.30 E-06	7.52 E-04	
216-B-49	573137			6.60 E-07				2.46 E+03				7.42 E-04	1.05 E-01	
216-B-50	573137			1.08 E-06				5.59 E+01				6.66 E-07	9.44 E-05	
216-B-57	573137			4.76 E-06				2.20 E+02				2.08 E-06	2.95 E-04	
216-B-7A&B	573137			2.81 E-09				4.45 E+03				4.24 E-04	6.02 E-02	
216-B-8	573137			7.12 E-11				3.02 E+01				1.06 E-04	1.50 E-02	
218-E-2	573137			2.39 E-09				1.88 E+02				4.54 E-03	9.98 E-02	
218-E-5	573137			9.92 E-09				6.27 E+01				1.81 E-03	3.99 E-02	
218-E-5A	573137			1.40 E-07				1.47 E+02				1.81 E-03	3.99 E-02	
118-D-1	573150													
116-D-1A	573151							1.23 E-01				3.00 E-05	3.76 E-03	
116-D-1B	573151							1.64 E-01				2.00 E-05	2.48 E-03	
116-D-3	573151							4.09 E-02						
116-D-4	573151							4.09 E-02						
116-DR-3	573151							5.15 E-02						
116-DR-4	573151							4.34 E-03						
116-DR-7	573151							5.00 E-02						
116-DR-8	573151							5.00 E-04						
118-D-3	573151							1.13 E+00						

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Am-241 (Ci)	C-14 (Ci)	Ce-144 (Ci)	Co-58 (Ci)	Co-60 (Ci)	Cs-134 (Ci)	Cs-137 (Ci)	Eu-152 (Ci)	Eu-154 (Ci)	Eu-155 (Ci)	Fe-59 (Ci)	H-3 (Ci)
Half-life in years		4.33 E+02	5.73 E+01	7.79 E-01	1.94 E-01	5.27 E+00	2.07 E+00	3.02 E+01	1.35 E+01	8.59 E+00	4.71 E+00	1.22 E-01	1.23 E+01
118-D-4	573151					1.01 E+02							
118-D-5	573151					1.00 E+00							
118-DR-1	573151					2.41 E+02							
116-D-7	573152					3.22 E+00	8.02 E-04	1.03 E+00	5.56 E+00	1.38 E+00	9.18 E-02		4.61 E-01
116-DR-1	573152					1.08 E+00	2.25 E-03	1.32 E+01	5.39 E+00	9.78 E-01	1.07 E-01		4.47 E-01
116-DR-9	573152					2.44 E-01	2.51 E-05	5.72 E-01	7.18 E-01	1.78 E-01	1.31 E-02		9.68 E-02
216-A-10	574135	3.08 E+00						2.61 E+02					1.85 E+04
216-A-28	574135							3.74 E-03					
216-A-45	574135	1.10 E-01						6.57 E-02					3.85 E+03
218-E-1	574135	5.93 E+00						8.17 E-01					
216-C-1	574136	5.27 E-02						8.65 E+01					
216-C-10	574136	9.88 E-04						3.46 E+01					
216-C-3	574136	6.59 E-03						8.14 E+00					
216-C-4	574136	6.59 E-03						1.19 E+01					
216-C-5	574136	6.59 E-03						4.30 E+00					
216-C-6	574136	6.59 E-04						2.91 E+01					
216-C-7	574136	7.24 E-03						1.60 E-01					
216-C-9	574136	2.23 E-03						3.82 E+00					
218-C-9	574136	6.59 E-07						8.12 E+00		1.02 E-06			
218-E-12A	574136	5.88 E+01						1.10 E+01					
216-A-25	574139	2.82 E+00						6.74 E+02					2.13 E+02
116-DR-2	574152					1.08 E+00	2.25 E-03	1.32 E+01	5.39 E+00	9.78 E-01	1.07 E-01		4.47 E-01
216-A-2	575135	8.56 E-01						3.81 E+00					
216-A-21	575135	9.88 E-01						1.62 E+02					
216-A-27	575135	6.36 E-01						8.84 E+01					
216-A-3	575135	1.32 E-03						1.37 E-01					
216-A-30	575135	6.79 E-01						3.33 E+02					1.64 E+01
216-A-31	575135	5.93 E-02						1.63 E+02					
216-A-36A	575135	5.27 E-01						2.66 E+03					
216-A-36B	575135	1.39 E+00						1.03 E+03					5.07 E+02
216-A-37-1	575135	5.55 E-04						3.49 E-01					1.60 E+03
216-A-4	575135	9.22 E-01						1.80 E+01					
216-A-5	575135	4.28 E-01						6.66 E+01					
216-A-6	575135	2.34 E-01						2.51 E+02					
216-A-1	575136	6.59 E-04						1.29 E-01					

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	I-129 (Ci)	Mn-54 (Ci)	Nb-95 (Ci)	Ni-63 (Ci)	Pm-147 (Ci)	Po-210 (Ci)	Pu-238 (Ci)	Pu-239 (Ci)	Pu-240 (Ci)	Pu-241 (Ci)	Pu-242 (Ci)	Ra-226 (Ci)
Half-life in years		1.57 E+07	8.55 E-01	9.58 E-02	1.00 E+02	2.62 E+00	3.79 E-01	8.77 E+01	2.41 E+04	6.56 E+03	1.44 E+01	3.75 E+05	1.60 E+03
118-D-4	573151												
118-D-5	573151												
118-DR-1	573151												
116-D-7	573152							1.10 E-03	5.30 E-02				
116-DR-1	573152								3.15 E-02	3.50 E-03			
116-DR-9	573152								4.50 E-03				
216-A-10	574135	1.07 E-01				3.12 E-01		8.68 E-01	5.20 E+01	4.68 E+00	1.09 E+02	4.00 E-04	
216-A-28	574135												
216-A-45	574135	1.11 E-02				4.21 E-02		6.13 E-03	1.11 E-01		6.58 E-01		
218-E-1	574135							1.39 E+00	5.26 E+01	1.20 E+01	1.71 E+02	1.03 E-03	
216-C-1	574136							1.23 E-02	9.58 E-01	1.07 E-01	1.52 E+00	9.14 E-06	
216-C-10	574136							2.31 E-04	1.80 E-02	2.00 E-03	2.84 E-02	1.71 E-07	
216-C-3	574136							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-C-4	574136							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-C-5	574136							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-C-6	574136							1.54 E-04	1.20 E-02	1.34 E-03	1.90 E-02	1.14 E-07	
216-C-7	574136							1.69 E-03	1.32 E-01	1.47 E-02	2.08 E-01	1.26 E-06	
216-C-9	574136							5.20 E-04	4.05 E-02	4.52 E-03	6.41 E-02	3.86 E-07	
218-C-9	574136							1.54 E-07	5.84 E-06	1.34 E-06	1.90 E-05	1.14 E-10	
218-E-12A	574136							1.37 E+01	5.22 E+01	1.19 E+02	1.69 E+03	1.02 E-02	
216-A-25	574139					1.44 E+00		6.59 E-01	5.25 E+01	5.72 E+00	8.11 E+01	4.89 E-04	
116-DR-2	574152								3.15 E-02	3.50 E-03			
216-A-2	575135							2.00 E-01	1.56 E+01	1.74 E+00	2.46 E+01	1.49 E-04	
216-A-21	575135							2.31 E-01	1.80 E+01	2.00 E+00	2.84 E+01	1.71 E-04	
216-A-27	575135							1.49 E-01	1.16 E+01	1.29 E+00	1.83 E+01	1.10 E-04	
216-A-3	575135							3.08 E-04	2.40 E-02	2.67 E-03	3.79 E-02	2.29 E-07	
216-A-30	575135					4.29 E-01		1.13 E-01	8.99 E+00	9.77 E-01	1.39 E+01	8.35 E-05	
216-A-31	575135							1.39 E-02	1.08 E+00	1.20 E-01	1.71 E+00	1.03 E-05	
216-A-36A	575135							1.23 E-01	9.58 E+00	1.07 E+00	1.52 E+01	9.14 E-05	
216-A-36B	575135	8.42 E-03				1.99 E+00		2.74 E-01	2.15 E+01	2.38 E+00	3.43 E+01	2.03 E-04	
216-A-37-1	575135	4.26 E-03				9.19 E-02		4.36 E-05	1.03 E-02	3.78 E-04	5.36 E-03	3.23 E-08	
216-A-4	575135							2.15 E-01	1.68 E+01	1.87 E+00	2.65 E+01	1.60 E-04	
216-A-5	575135							1.00 E-01	7.79 E+00	8.69 E-01	1.23 E+01	7.43 E-05	
216-A-6	575135							5.48 E-02	4.27 E+00	4.76 E-01	6.75 E+00	4.07 E-05	
216-A-1	575136							1.54 E-04	1.20 E-02	1.34 E-03	1.90 E-02	1.14 E-07	

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Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Re-187 (Ci)	Ru-103 (Ci)	Ru-106 (Ci)	Sb-125 (Ci)	Sn-113 (Ci)	Sn-123M (Ci)	Sr-90 (Ci)	Tc-99 (Ci)	Th-232 (Ci)	U-234 (Ci)	U-235 (Ci)	U-238 (Ci)	Zr-95 (Ci)
Half-life in years		6.26 E+01	1.08 E-01	1.02 E+00	2.76 E+00	3.15 E-01	3.54 E-01	2.91 E+01	2.13 E+05	1.40 E+10	2.46 E+05	7.04 E+08	4.47 E+09	1.75 E-01
118-D-4	573151													
118-D-5	573151													
118-DR-1	573151													
116-D-7	573152							8.67 E-02				2.80 E-02		
116-DR-1	573152							3.03 E-01				2.40 E-04	2.78 E-02	
116-DR-9	573152							2.29 E-02				1.40 E-02		
216-A-10	574135			3.09 E-01				2.63 E+02				5.67 E-04	8.04 E-02	
216-A-28	574135							3.74 E-03				1.48 E-03	2.10 E-01	
216-A-45	574135			1.33 E-02		6.56 E-05		6.43 E-02				1.58 E-05	2.23 E-03	
218-E-1	574135			7.69 E-12				7.17 E-01				6.05 E-03	1.33 E-01	
216-C-1	574136			1.89 E-08				1.72 E+02				6.88 E-04	9.76 E-02	
216-C-10	574136			8.95 E-08				6.91 E+01				1.06 E-07	1.50 E-05	
216-C-3	574136			8.30 E-11				1.61 E+01				1.06 E-04	1.50 E-02	
216-C-4	574136			5.35 E-10				2.37 E+01				7.91 E-06	1.12 E-03	
216-C-5	574136			1.38 E-10				8.46 E+00				1.27 E-04	1.80 E-02	
216-C-6	574136			2.73 E-08				5.79 E+01				1.06 E-07	1.50 E-05	
216-C-7	574136			1.06 E-08				1.58 E-01				2.33 E-07	3.31 E-05	
216-C-9	574136			8.66 E-08				5.55 E+00				2.14 E-06	3.03 E-04	
218-C-9	574136			5.42 E-06				1.31 E+01						
218-E-12A	574136			1.22 E-06				9.06 E+00				1.50 E-02	3.29 E-01	
216-A-25	574139			1.62 E-04				7.27 E+02				2.97 E-02	4.21 E+00	
116-DR-2	574152							3.03 E-01				2.40 E-04	2.78 E-02	
216-A-2	575135			7.83 E-08				3.28 E+00				1.82 E-04	2.58 E-02	
216-A-21	575135			1.45 E-06				9.05 E+01				4.55 E-04	6.45 E-02	
216-A-27	575135			1.38 E-05				8.05 E+01				1.59 E-04	2.25 E-02	
216-A-3	575135			1.52 E-07				1.34 E-01				3.91 E-03	5.55 E-01	
216-A-30	575135			8.14 E-02		3.15 E-03		3.18 E+02				7.00 E-04	9.93 E-02	
216-A-31	575135			1.30 E-03				8.21 E+01				4.78 E-05	6.78 E-03	
216-A-36A	575135			1.16 E-04				2.79 E+03				3.39 E-04	4.81 E-02	
216-A-36B	575135			3.17 E+00		5.79 E-04		1.01 E+03				2.79 E-04	3.95 E-02	
216-A-37-1	575135			4.15 E-02		2.52 E-03		3.08 E-01				7.63 E-05	1.08 E-02	
216-A-4	575135			4.38 E-08				1.54 E+01				9.31 E-04	1.32 E-01	
216-A-5	575135			1.08 E-07				9.61 E+01				6.14 E-04	8.71 E-02	
216-A-6	575135			5.50 E-06				1.90 E+02				3.85 E-04	5.46 E-02	
216-A-1	575136			2.75 E-12				1.27 E-01				3.60 E-04	5.10 E-02	

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Am-241 (Ci)	C-14 (Ci)	Ce-144 (Ci)	Co-58 (Ci)	Co-60 (Ci)	Cs-134 (Ci)	Cs-137 (Ci)	Eu-152 (Ci)	Eu-154 (Ci)	Eu-155 (Ci)	Fe-59 (Ci)	H-3 (Ci)
Half-life in years		4.33 E+02	5.73 E+01	7.79 E-01	1.94 E-01	5.27 E+00	2.07 E+00	3.02 E+01	1.35 E+01	8.59 E+00	4.71 E+00	1.22 E-01	1.23 E+01
216-A-18	575136	6.59 E-04						1.30 E-01					
216-A-19	575136	6.59 E-04						1.29 E-01					
216-A-20	575136	6.59 E-04						1.29 E-01					
216-A-24	575136	3.33 E-02						5.44 E+02					
216-A-7	575136	6.59 E-03						4.96 E+00					
216-A-8	575136	3.29 E-01						1.08 E+03					3.46 E-01
216-A-9	575136	3.29 E-03						2.02 E+01					
200-E BP	575137												
218-E-8	575137	1.32 E-01						1.02 E-01					
216-A-37-2	576135	9.82 E-02						1.13 E+00					6.13 E+00
216-B-3	576136	5.61 E+00						2.89 E+02					7.90 E+02
116-H-2	577152					9.78 E-03	3.00 E-05	2.56 E-01	5.32 E-02	1.03 E-02	4.11 E-03		2.14 E-01
116-H-3	577152					5.06 E-03		3.31 E-02	6.57 E-03	1.39 E-03	1.20 E-04		8.80 E-04
116-H-6	577152		5.60 E-02			5.00 E+00	7.90 E-04	1.80 E+00	6.80 E+00	2.20 E+00	3.90 E-01		7.80 E-02
118-H-1	577152		6.60 E-01			6.10 E+02		1.00 E+00	1.42 E+01	2.51 E+01			3.50 E+00
118-H-2	577152					4.59 E+00							
118-H-3	577152					1.39 E+01							
118-H-4	577152					3.06 E+00							
118-H-5	577152					1.00 E+00							
116-H-1	578152					9.11 E-01	4.00 E-05	3.81 E+00	9.20 E+00	5.04 E+00	1.45 E-01		3.09 E-02
116-H-7	578152		4.96 E-02			1.34 E+00	2.75 E-05	1.43 E+00	4.07 E+00	9.82 E-01	8.95 E-02		4.44 E-02
118-F-2	579147					3.24 E+01							
116-F-1	580147					2.23 E-01	6.00 E-05	9.10 E-01	5.59 E-01	1.96 E-01	1.33 E-03		2.01 E-01
116-F-10	580147					1.01 E-02		6.70 E-03	1.18 E-02	1.34 E-03	1.96 E-03		3.71 E-02
116-F-3	580147					5.00 E-05			3.00 E-04		9.00 E-05		4.80 E-04
116-F-4	580147					1.90 E-04	1.57 E-03	1.57 E+00	7.23 E-03	2.47 E-02	3.47 E-02		1.07 E-02
116-F-5	580147							4.00 E-05		3.30 E-04	6.00 E-05		
116-F-6	580147					3.37 E-01	2.80 E-04	5.46 E-01	1.12 E+00	2.73 E-01	2.34 E-02		1.45 E+00
116-F-7	580147								5.00 E-05				
118-F-1	580147		6.60 E-01			7.64 E+02		1.30 E+00	1.54 E+01	2.81 E+01			3.50 E+00
118-F-3	580147					1.00 E+00							
118-F-4	580147		2.00 E-02			7.46 E-03							8.00 E-01
118-F-6	580147												
118-F-7	580147					1.00 E+00							
116-F-14	581147		5.76 E-02			9.40 E-01	1.43 E-04	2.30 E-01	4.90 E+00	1.12 E+00	7.58 E-02		1.54 E-01

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	I-129 (Ci)	Mn-54 (Ci)	Nb-95 (Ci)	Ni-63 (Ci)	Pm-147 (Ci)	Po-210 (Ci)	Pu-238 (Ci)	Pu-239 (Ci)	Pu-240 (Ci)	Pu-241 (Ci)	Pu-242 (Ci)	Ra-226 (Ci)
Half-life in years		1.57 E+07	8.55 E-01	9.58 E-02	1.00 E+02	2.62 E+00	3.79 E-01	8.77 E+01	2.41 E+04	6.56 E+03	1.44 E+01	3.75 E+05	1.60 E+03
216-A-18	575136							1.54 E-04	1.20 E-02	1.34 E-03	1.90 E-02	1.14 E-07	
216-A-19	575136							1.54 E-04	1.20 E-02	1.34 E-03	1.90 E-02	1.14 E-07	
216-A-20	575136							1.54 E-04	1.20 E-02	1.34 E-03	1.90 E-02	1.14 E-07	
216-A-24	575136							7.79 E-03	6.07 E-01	6.76 E-02	9.59 E-01	5.78 E-06	
216-A-7	575136							1.54 E-03	1.20 E-01	1.34 E-02	1.90 E-01	1.14 E-06	
216-A-8	575136							7.70 E-02	5.99 E+00	6.68 E-01	9.48 E+00	5.71 E-05	
216-A-9	575136							7.70 E-04	5.99 E-02	6.68 E-03	9.48 E-02	5.71 E-07	
200-E BP	575137												
218-E-8	575137							3.08 E-02	1.17 E+00	2.67 E-01	3.79 E+00	2.29 E-05	
216-A-37-2	576135					1.96 E-01			3.73 E+02				
216-B-3	576136					8.18 E-01		3.87 E-01	3.16 E+01	3.34 E+00	4.74 E+01	2.86 E-04	
116-H-2	577152								3.80 E-04	4.00 E-05			
116-H-3	577152								8.00 E-05				
116-H-6	577152							1.60 E-03	4.80 E-02				
118-H-1	577152												
118-H-2	577152												
118-H-3	577152												
118-H-4	577152												
118-H-5	577152												
116-H-1	578152							3.09 E-03	6.03 E-02	6.69 E-03			
116-H-7	578152							1.48 E-03	4.80 E-02				
118-F-2	579147												
116-F-1	580147								5.94 E-03	6.60 E-04			
116-F-10	580147								7.00 E-05				
116-F-3	580147												
116-F-4	580147							5.30 E-04	3.78 E-02	4.20 E-03			
116-F-5	580147												
116-F-6	580147								8.82 E-03	9.80 E-04			
116-F-7	580147								3.00 E-05				
118-F-1	580147				8.31e+01								
118-F-3	580147												
118-F-4	580147												
118-F-6	580147												
118-F-7	580147												
116-F-14	581147							1.20 E-05	1.60 E-02				

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Re-187 (Ci)	Ru-103 (Ci)	Ru-106 (Ci)	Sb-125 (Ci)	Sn-113 (Ci)	Sn-123M (Ci)	Sr-90 (Ci)	Tc-99 (Ci)	Th-232 (Ci)	U-234 (Ci)	U-235 (Ci)	U-238 (Ci)	Zr-95 (Ci)
Half-life in years		6.26 E+01	1.08 E-01	1.02 E+00	2.76 E+00	3.15 E-01	3.54 E-01	2.91 E+01	2.13 E+05	1.40 E+10	2.46 E+05	7.04 E+08	4.47 E+09	1.75 E-01
216-A-18	575136			2.75 E-12				1.28 E-01				3.28 E-03	4.66 E-01	
216-A-19	575136			2.75 E-12				1.27 E-01				9.10 E-02	1.29 E+01	
216-A-20	575136			2.75 E-12				1.27 E-01				9.45 E-04	1.34 E-01	
216-A-24	575136			1.32 E-06				2.94 E+02				1.17 E-04	1.66 E-02	
216-A-7	575136			1.10 E-07				3.08 E+00				1.59 E-05	2.25 E-03	
216-A-8	575136			4.69 E-05				6.07 E+02				8.61 E-04	1.22 E-01	
216-A-9	575136			3.63 E-08				2.65 E+01				5.30 E-07	7.52 E-05	
200-E BP	575137							9.06 E-02						
218-E-8	575137			1.18 E-10				9.06 E-02				3.02 E-05	6.65 E-04	
216-A-37-2	576135			4.07 E-02		1.57 E-03		1.23 E+00				1.20 E-04	1.71 E-02	
216-B-3	576136			1.42 E+00		7.32 E-07		2.96 E+02				1.47 E-02	2.09 E+00	
116-H-2	577152							4.91 E-01				5.00 E-05	5.94 E-03	
116-H-3	577152							1.40 E-04						
116-H-6	577152							2.60 E-01				4.80 E-02		
118-H-1	577152							1.00 E+00						
118-H-2	577152													
118-H-3	577152													
118-H-4	577152													
118-H-5	577152													
116-H-1	578152							7.53 E-01				1.39 E-03	1.59 E-01	
116-H-7	578152							2.05 E-01				4.80 E-02		
118-F-2	579147													
116-F-1	580147							5.15 E-02				1.60 E-04	1.88 E-02	
116-F-10	580147							6.00 E-05					3.00 E-05	
116-F-3	580147							3.60 E-04						
116-F-4	580147							1.06 E+00				1.00 E-05	1.59 E-03	
116-F-5	580147							2.00 E-05						
116-F-6	580147							1.72 E-01				6.00 E-05	6.93 E-03	
116-F-7	580147							2.00 E-05						
118-F-1	580147							1.30 E+00						
118-F-3	580147													
118-F-4	580147													
118-F-6	580147							1.04 E+01						
118-F-7	580147													
116-F-14	581147							7.88 E-02				1.40 E-02		

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Am-241 (Ci)	C-14 (Ci)	Ce-144 (Ci)	Co-58 (Ci)	Co-60 (Ci)	Cs-134 (Ci)	Cs-137 (Ci)	Eu-152 (Ci)	Eu-154 (Ci)	Eu-155 (Ci)	Fe-59 (Ci)	H-3 (Ci)
Half-life in years		4.33 E+02	5.73 E+01	7.79 E-01	1.94 E-01	5.27 E+00	2.07 E+00	3.02 E+01	1.35 E+01	8.59 E+00	4.71 E+00	1.22 E-01	1.23 E+01
116-F-2	581147					8.00 E-01	2.90 E-04	7.61 E-01	6.05 E+00	1.49 E+00	2.07 E-01		3.73 E-01
116-F-9	581147					1.86 E-01		9.10 E-02	3.94 E-01	1.85 E-01	1.36 E-02		
118-F-5	581147												
618-11	589127					1.44 E+02							
618-10	590121					9.72 E+01							
618-7	592116					1.81 E-06							
618-9	592116					7.21 E-06							
618-3	593116					1.70 E-06							
618-8	593116					3.49 E-05							
316-1	594116					1.00 E-03							
316-2	594116					1.00 E-03							
316-5	594116							3.28 E+00					
618-1	594116												
618-2	594116							1.00 E+03					
618-5	594116					8.52 E+01							
618-4	594117					3.73 E-06							
100-HR PIPING								3.00 E-02	1.90 E-01	2.80 E-01	2.40 E-01		7.40 E-01
216-B-63		3.86 E-02						3.79 E+00					2.12 E+00

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Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	I-129 (Ci)	Mn-54 (Ci)	Nb-95 (Ci)	Ni-63 (Ci)	Pm-147 (Ci)	Po-210 (Ci)	Pu-238 (Ci)	Pu-239 (Ci)	Pu-240 (Ci)	Pu-241 (Ci)	Pu-242 (Ci)	Ra-226 (Ci)
Half-life in years		1.57 E+07	8.55 E-01	9.58 E-02	1.00 E+02	2.62 E+00	3.79 E-01	8.77 E+01	2.41 E+04	6.56 E+03	1.44 E+01	3.75 E+05	1.60 E+03
116-F-2	581147								7.38 E-03	8.20 E-04			
116-F-9	581147								6.30 E-03	7.00 E-04			
118-F-5	581147								3.00 E-01				
618-11	589127												
618-10	590121								4.14 E+01				
618-7	592116												
618-9	592116												
618-3	593116												
618-8	593116												
316-1	594116												
316-2	594116					5.00 E-02							
316-5	594116												
618-1	594116								6.00 E-02	1.70 E-02			
618-2	594116												
618-5	594116												
618-4	594117												
100HR PIPING								2.70 E-02		1.40 E-01			
216-B-63													

Table B2-7. Radionuclide Inventories of Waste Sites. (27 sheets)

Site Code (WIDS)	Cell ID (xxx,yyy)	Re-187 (Ci)	Ru-103 (Ci)	Ru-106 (Ci)	Sb-125 (Ci)	Sn-113 (Ci)	Sn-123M (Ci)	Sr-90 (Ci)	Tc-99 (Ci)	Th-232 (Ci)	U-234 (Ci)	U-235 (Ci)	U-238 (Ci)	Zr-95 (Ci)
Half-life in years		6.26 E+01	1.08 E-01	1.02 E+00	2.76 E+00	3.15 E-01	3.54 E-01	2.91 E+01	2.13 E+05	1.40 E+10	2.46 E+05	7.04 E+08	4.47 E+09	1.75 E-01
116-F-2	581147							6.95 E-02				1.40 E-04	1.58 E-02	
116-F-9	581147							1.96 E+00						
118-F-5	581147							1.04 E+01						
618-11	589127													
618-10	590121											3.11 E-05	3.35 E-07	
618-7	592116									2.19 E-03		3.10 E-02	6.65 E-01	
618-9	592116											3.10 E-01	6.65 E+00	
618-3	593116											3.11 E-02	6.65 E-01	
618-8	593116											3.11 E-01	6.65 E+00	
316-1	594116													
316-2	594116													
316-5	594116							3.28 E+00	1.58 E+00		1.35 E+00	7.33 E-02	1.11 E+00	
618-1	594116													
618-2	594116							1.00 E+03						
618-5	594116											3.10 E-02	6.65 E-01	
618-4	594117											4.66 E-03	9.97 E-02	
100-HR PIPING								1.30 E+00				2.90 E-01		
216-B-63														

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Table B2-8. Aggregated Inventories of Waste Sites: Surface. (2 sheets)

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
565145	Co-60	Co-60	2.70 E-01	4.67 E+03
565145	Cs-134	Cs-134	1.55 E-03	4.67 E+03
565145	Cs-137	Cs-137	6.31 E+00	4.67 E+03
565145	Eu-152	Eu-152	9.25 E-01	4.67 E+03
565145	Eu-154	Eu-154	1.68 E-01	4.67 E+03
565145	Eu-155	Eu-155	4.20 E+00	4.67 E+03
565145	H-3	H-3	1.36 E-01	4.67 E+03
565145	Pu-240	Pu-240	1.30 E-02	4.67 E+03
565145	U-235	U-235	4.60 E-03	4.67 E+03
566133	Am-241	Am-241	2.04 E-03	2.10 E+03
566133	Cs-137	Cs-137	1.79 E+00	2.10 E+03
566133	Pu-238	Pu-238	4.77 E-04	2.10 E+03
566133	Pu-239	Pu-239	2.36 E-02	2.10 E+03
566133	Pu-240	Pu-240	4.14 E-03	2.10 E+03
566133	Pu-241	Pu-241	5.87 E-02	2.10 E+03
566133	Pu-242	Pu-242	3.54 E-07	2.10 E+03
566133	Ru-106	Ru-106	2.91 E-01	2.10 E+03
566133	Sr-90	Sr-90	1.78 E+00	2.10 E+03
566133	U-235	U-235	4.79 E-05	2.10 E+03
566133	U-238	U-238	6.80 E-03	2.10 E+03
566134	Am-241	Am-241	5.32 E+01	1.90 E+02
566134	Cs-137	Cs-137	3.31 E+01	1.90 E+02
566134	H-3	H-3	1.96 E+02	1.90 E+02
566134	Pu-238	Pu-238	1.23 E+01	1.90 E+02
566134	Pu-239	Pu-239	9.72 E+02	1.90 E+02
566134	Pu-240	Pu-240	1.07 E+02	1.90 E+02
566134	Pu-241	Pu-241	1.52 E+03	1.90 E+02
566134	Pu-242	Pu-242	9.14 E-03	1.90 E+02
566134	Ru-106	Ru-106	2.77 E-05	1.90 E+02
566134	Sr-90	Sr-90	3.31 E+01	1.90 E+02
566134	U-235	U-235	1.32 E-02	1.90 E+02
566134	U-238	U-238	1.87 E+00	1.90 E+02
574139	Sr-90	Sr-90	7.26 E+02	1.50 E+05
574139	U-235	U-235	2.97 E-02	1.50 E+05
574139	U-238	U-238	4.21 E+00	1.50 E+05
576136	Am-241	Am-241	5.61 E+00	6.30 E+04
567133	Am-241	Am-241	1.36 E-01	5.00 E+03
567133	Cs-137	Cs-137	3.85 E+00	5.00 E+03
567133	H-3	H-3	1.87 E-01	5.00 E+03
567133	Pu-238	Pu-238	3.17 E-02	5.00 E+03
567133	Pu-239	Pu-239	2.46 E+00	5.00 E+03
567133	Pu-240	Pu-240	2.75 E-01	5.00 E+03
567133	Pu-241	Pu-241	3.90 E+00	5.00 E+03
567133	Pu-242	Pu-242	2.35 E-05	5.00 E+03
567133	Ru-106	Ru-106	3.88 E-07	5.00 E+03
567133	Sr-90	Sr-90	3.86 E+00	5.00 E+03
567133	U-235	U-235	3.63 E-04	5.00 E+03
567133	U-238	U-238	5.14 E-02	5.00 E+03
573152	Co-60	Co-60	1.49 E-01	3.68 E+05
573152	Cs-134	Cs-134	7.13 E-06	3.68 E+05
573152	Cs-137	Cs-137	5.25 E-01	3.68 E+05
573152	Eu-152	Eu-152	5.92 E-01	3.68 E+05
573152	Eu-154	Eu-154	1.32 E-01	3.68 E+05
573152	Eu-155	Eu-155	7.54 E-03	3.68 E+05
573152	H-3	H-3	7.84 E-02	3.68 E+05
573152	Pu-239	Pu-239	4.50 E-03	3.68 E+05
573152	Sr-90	Sr-90	2.09 E-02	3.68 E+05
573152	U-235	U-235	1.40 E-02	3.68 E+05
574139	Am-241	Am-241	2.82 E+00	1.50 E+05
574139	Cs-137	Cs-137	6.73 E+02	1.50 E+05
574139	H-3	H-3	2.13 E+02	1.50 E+05
574139	Pm-147	Pm-147	1.44 E+00	1.50 E+05
574139	Pu-238	Pu-238	6.59 E-01	1.50 E+05
574139	Pu-239	Pu-239	5.25 E+01	1.50 E+05
574139	Pu-240	Pu-240	5.72 E+00	1.50 E+05
574139	Pu-241	Pu-241	8.11 E+01	1.50 E+05
574139	Pu-242	Pu-242	4.89 E-04	1.50 E+05
574139	Ru-106	Ru-106	1.62 E-04	1.50 E+05
576136	U-235	U-235	1.47 E-02	6.30 E+04
576136	U-238	U-238	2.09 E+00	6.30 E+04
577152	C-14	C-14	4.56 E-02	4.90 E+03
577152	Co-60	Co-60	5.35 E-01	4.90 E+03

Table B2-8. Aggregated Inventories of Waste Sites: Surface. (2 sheets)

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
576136	Cs-137	Cs-137	2.89 E+02	6.30 E+04
576136	H-3	H-3	7.90 E+02	6.30 E+04
576136	Pm-147	Pm-147	8.18 E-01	6.30 E+04
576136	Pu-238	Pu-238	3.87 E-01	6.30 E+04
576136	Pu-239	Pu-239	3.16 E+01	6.30 E+04
576136	Pu-240	Pu-240	3.34 E+00	6.30 E+04
576136	Pu-241	Pu-241	4.74 E+01	6.30 E+04
576136	Pu-242	Pu-242	2.86 E-04	6.30 E+04
576136	Ru-106	Ru-106	1.42 E+00	6.30 E+04
576136	Sn-113	Sn-113	7.32 E-07	6.30 E+04
576136	Sr-90	Sr-90	2.96 E+02	6.30 E+04

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
577152	Cs-134	Cs-134	2.63 E-06	4.90 E+03
577152	Cs-137	Cs-137	1.22 E+00	4.90 E+03
577152	Eu-152	Eu-152	2.84 E+00	4.90 E+03
577152	Eu-154	Eu-154	5.58 E-01	4.90 E+03
577152	Eu-155	Eu-155	3.20 E-02	4.90 E+03
577152	H-3	H-3	2.99 E-02	4.90 E+03
577152	Pu-238	Pu-238	1.40 E-03	4.90 E+03
577152	Pu-239	Pu-239	4.80 E-02	4.90 E+03
577152	Sr-90	Sr-90	1.73 E-01	4.90 E+03
577152	U-235	U-235	4.80 E-02	4.90 E+03

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Table B2-9. Aggregated Inventories of Waste Sites: Subsurface. (9 sheets)

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
564143	C-14	C-14	6.31 E-01	6.65 E+04
564143	Co-60	Co-60	5.41 E+02	6.65 E+04
564143	Cs-137	Cs-137	1.38 E+00	6.65 E+04
564143	Eu-152	Eu-152	1.36 E+01	6.65 E+04
564143	Eu-154	Eu-154	2.23 E+01	6.65 E+04
564143	H-3	H-3	3.08 E+03	6.65 E+04
564143	Ni-63	Ni-63	9.41 E+01	6.65 E+04
564143	Sr-90	Sr-90	1.37 E+00	6.65 E+04
565133	Cs-137	Cs-137	1.04 E+02	4.50 E+04
565133	14797558	NO3	1.00 E+04	4.50 E+04
565133	Pu-239	Pu-239	2.26 E+01	4.50 E+04
565133	Ru-106	Ru-106	4.46 E-06	4.50 E+04
565133	Sr-90	Sr-90	1.19 E+02	4.50 E+04
565133	U-235	U-235	7.35 E-03	4.50 E+04
565133	U-238	U-238	1.04 E+00	4.50 E+04
565134	Cs-137	Cs-137	3.03 E-02	3.40 E+03
565134	H-3	H-3	2.30 E+01	3.40 E+03
565134	Ru-106	Ru-106	2.92 E-15	3.40 E+03
565134	Sr-90	Sr-90	1.87 E-02	3.40 E+03
565143	C-14	C-14	3.48 E+00	4.75 E+04
565143	Co-60	Co-60	3.49 E+02	4.75 E+04
565143	Cs-137	Cs-137	1.19 E+00	4.75 E+04
565143	Eu-152	Eu-152	1.17 E+01	4.75 E+04
565143	Eu-154	Eu-154	1.92 E+01	4.75 E+04
565143	H-3	H-3	6.88 E+00	4.75 E+04
565143	Ni-63	Ni-63	6.10 E+01	4.75 E+04
565143	Sr-90	Sr-90	1.19 E+00	4.75 E+04
565144	Co-60	Co-60	1.25 E+02	7.44 E+04
565144	Cs-134	Cs-134	7.32 E-03	7.44 E+04
565144	Cs-137	Cs-137	8.14 E+00	7.44 E+04
565144	Eu-152	Eu-152	5.56 E+00	7.44 E+04
565144	Eu-154	Eu-154	4.18 E-01	7.44 E+04
565144	Eu-155	Eu-155	1.24 E+00	7.44 E+04
565144	H-3	H-3	9.63 E+02	7.44 E+04
565144	10588019	NaCr	1.60 E+06	7.44 E+04
565144	62760	$Na_2C_2O_4$	2.20 E+06	7.44 E+04
565144	5329146	NaSulfam	7.20 E+06	7.44 E+04
565144	Ni-63	Ni-63	1.56 E+00	7.44 E+04
565144	Pu-238	Pu-238	1.10 E-01	7.44 E+04
565144	Pu-239	Pu-239	1.23 E-01	7.44 E+04
565144	Pu-240	Pu-240	2.09 E-02	7.44 E+04
565144	Sr-90	Sr-90	3.45 E+00	7.44 E+04
565144	U-235	U-235	1.14 E-03	7.44 E+04
565144	U-238	U-238	1.37 E-01	7.44 E+04
565145	Co-60	Co-60	9.06 E+01	8.02 E+05
565145	Cs-134	Cs-134	3.40 E-01	8.02 E+05
565145	Cs-137	Cs-137	4.27 E+01	8.02 E+05
565145	Eu-152	Eu-152	2.10 E+02	8.02 E+05
565145	Eu-154	Eu-154	6.84 E+01	8.02 E+05
565145	Eu-155	Eu-155	1.29 E+00	8.02 E+05
565145	H-3	H-3	1.02 E+00	8.02 E+05
565145	10588019	NaCr	1.60 E+05	8.02 E+05
565145	Pu-238	Pu-238	1.46 E-02	8.02 E+05
565145	Pu-239	Pu-239	1.12 E+00	8.02 E+05
565145	Pu-240	Pu-240	2.10 E-02	8.02 E+05
565145	Sr-90	Sr-90	3.68 E+00	8.02 E+05
565145	U-235	U-235	2.06 E-01	8.02 E+05
565145	U-238	U-238	4.85 E-02	8.02 E+05
566133	Am-241	Am-241	6.97 E+00	5.22 E+04
566133	Cs-137	Cs-137	5.80 E+02	5.22 E+04
566133	14797558	NO3	3.80 E+05	5.22 E+04
566133	Pu-238	Pu-238	1.63 E+00	5.22 E+04
566133	Pu-239	Pu-239	1.27 E+02	5.22 E+04
566133	Pu-240	Pu-240	1.41 E+01	5.22 E+04
566133	Pu-241	Pu-241	2.00 E+02	5.22 E+04
566133	Pu-242	Pu-242	1.21 E-03	5.22 E+04
566133	Ru-106	Ru-106	3.45 E-01	5.22 E+04
566133	Sr-90	Sr-90	6.99 E+02	5.22 E+04
566133	U-235	U-235	2.06 E-03	5.22 E+04
566133	U-238	U-238	2.92 E-01	5.22 E+04
566134	13473900	$Al(NO_3)_3$	6.00 E+07	5.13 E+03
566134	Am-241	Am-241	7.93 E+00	5.13 E+03

Table B2-9. Aggregated Inventories of Waste Sites: Subsurface. (9 sheets)

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
566134	Cs-137	Cs-137	3.72 E+03	5.13 E+03
566134	H-3	H-3	1.48 E+02	5.13 E+03
566134	7697372	HNO_3	1.00 E+08	5.13 E+03
566134	7647145	Na	1.01 E+07	5.13 E+03
566134	1302427	NaAl	3.00 E+03	5.13 E+03
566134	10588019	NaCr	2.00 E+03	5.13 E+03
566134	1310732	NaOH	2.00 E+03	5.13 E+03
566134	6484522	NH_4NO_3	8.00 E+05	5.13 E+03
566134	14797558	NO_3	6.01 E+07	5.13 E+03
566134	Pu-238	Pu-238	1.85 E+00	5.13 E+03
566134	Pu-239	Pu-239	4.18 E+02	5.13 E+03
566134	Pu-240	Pu-240	9.01 E+01	5.13 E+03
566134	Pu-241	Pu-241	2.28 E+02	5.13 E+03
566134	Pu-242	Pu-242	1.38 E-03	5.13 E+03
566134	Ru-106	Ru-106	1.74 E-05	5.13 E+03
566134	Sr-90	Sr-90	3.78 E+03	5.13 E+03
566134	U-235	U-235	6.19 E-03	5.13 E+03
566134	U-238	U-238	8.78 E-01	5.13 E+03
566135	#REF!	$AlF(NO_3)_2$	4.10 E+08	3.52 E+04
566135	13473900	$Al(NO_3)_3$	3.60 E+08	3.52 E+04
566135	Am-241	Am-241	6.66 E+02	3.52 E+04
566135	10124375	$Ca(NO_3)_2$	2.60 E+08	3.52 E+04
566135	56235	CCl_4	2.60 E+08	3.52 E+04
566135	Cs-137	Cs-137	8.30 E+02	3.52 E+04
566135	1809194	DBBP	1.50 E+07	3.52 E+04
566135	7782414	F	4.90 E+08	3.52 E+04
566135	13520688	$FeNO_{3(Fe\ II/III)}$	7.70 E+07	3.52 E+04
566135	H-3	H-3	4.25 E+00	3.52 E+04
566135	7697372	HNO_3	7.60 E+07	3.52 E+04
566135	10377603	$Mg(NO_3)_2$	3.50 E+08	3.52 E+04
566135	7647145	Na	1.67 E+09	3.52 E+04
566135	1310732	NaOH	1.00 E+06	3.52 E+04
566135	6484522	NH_4NO_3	1.80 E+07	3.52 E+04
566135	14797558	NO_3	2.87 E+09	3.52 E+04
566135	7601549	PO_4	6.00 E+07	3.52 E+04
566135	Pu-238	Pu-238	1.52 E+02	3.52 E+04
566135	Pu-239	Pu-239	1.22 E+04	3.52 E+04
566135	Pu-240	Pu-240	1.36 E+03	3.52 E+04
566135	Pu-241	Pu-241	1.68 E+04	3.52 E+04
566135	Pu-242	Pu-242	1.16 E-01	3.52 E+04
566135	Ru-106	Ru-106	1.19 E-04	3.52 E+04
566135	12808798	SO4	2.90 E+07	3.52 E+04
566135	Sr-90	Sr-90	8.36 E+02	3.52 E+04
566135	126738	TBP	2.20 E+07	3.52 E+04
566135	U-235	U-235	2.24 E-04	3.52 E+04
566135	U-238	U-238	3.17 E-02	3.52 E+04
566136	Am-241	Am-241	2.21 E+03	1.89 E+05
566136	Co-60	Co-60	3.69 E-01	1.89 E+05
566136	Cs-137	Cs-137	1.82 E+04	1.89 E+05
566136	7782414	F	4.33 E+08	1.89 E+05
566136	13943583	$FeCN_{(Fe\ II/III)}$	6.00 E+06	1.89 E+05
566136	7447407	K	2.50 E+08	1.89 E+05
566136	7647145	Na	5.09 E+09	1.89 E+05
566136	1302427	NaAl	3.11 E+08	1.89 E+05
566136	1310732	NaOH	3.09 E+08	1.89 E+05
566136	62760	$Na_2C_2O_4$	8.00 E+07	1.89 E+05
566136	#REF!	NaSi	1.30 E+08	1.89 E+05
566136	6484522	NH_4NO_3	1.76 E+08	1.89 E+05
566136	Nitrite	NO_2	3.39 E+08	1.89 E+05
566136	14797558	NO_3	6.63 E+09	1.89 E+05
566136	Pm-147	Pm-147	1.54 E+00	1.89 E+05
566136	7601549	PO_4	1.36 E+09	1.89 E+05
566136	Pu-238	Pu-238	5.20 E+02	1.89 E+05
566136	Pu-239	Pu-239	1.99 E+04	1.89 E+05
566136	Pu-240	Pu-240	4.48 E+03	1.89 E+05
566136	Pu-241	Pu-241	6.66 E+04	1.89 E+05
566136	Pu-242	Pu-242	3.83 E-01	1.89 E+05
566136	Ru-106	Ru-106	5.03 E-03	1.89 E+05
566136	12808798	SO_4	2.38 E+08	1.89 E+05
566136	Sr-90	Sr-90	1.09 E+04	1.89 E+05
566136	Th-232	Th-232	3.38 E+01	1.89 E+05
566136	U-235	U-235	7.10 E+00	1.89 E+05

Table B2-9. Aggregated Inventories of Waste Sites: Subsurface. (9 sheets)

1	Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
1	566136	U-238	U-238	1.57 E+02	1.89 E+05
2	566137	Am-241	Am-241	2.44 E-02	2.40 E+04
3	566137	Cs-137	Cs-137	1.57 E+01	2.40 E+04
4	566137	Pu-238	Pu-238	5.71 E-03	2.40 E+04
5	566137	Pu-239	Pu-239	4.45 E-01	2.40 E+04
6	566137	Pu-240	Pu-240	4.96 E-02	2.40 E+04
7	566137	Pu-241	Pu-241	7.03 E-01	2.40 E+04
8	566137	Pu-242	Pu-242	4.24 E-06	2.40 E+04
9	566137	Ru-106	Ru-106	8.65 E-07	2.40 E+04
10	566137	Sr-90	Sr-90	1.28 E+01	2.40 E+04
11	566137	U-235	U-235	1.62 E-03	2.40 E+04
12	566137	U-238	U-238	2.30 E-01	2.40 E+04
13	567133	Am-241	Am-241	1.13 E+00	1.67 E+03
14	567133	Cs-137	Cs-137	1.36 E+02	1.67 E+03
15	567133	7647145	Na	3.00 E+06	1.67 E+03
16	567133	14797558	NO_3	2.70 E+07	1.67 E+03
17	567133	Pu-238	Pu-238	2.63 E-01	1.67 E+03
18	567133	Pu-239	Pu-239	2.05 E+01	1.67 E+03
19	567133	Pu-240	Pu-240	2.29 E+00	1.67 E+03
20	567133	Pu-241	Pu-241	3.24 E+01	1.67 E+03
21	567133	Pu-242	Pu-242	1.96 E-04	1.67 E+03
22	567133	Ru-106	Ru-106	2.50 E-07	1.67 E+03
23	567133	Sr-90	Sr-90	1.02 E+02	1.67 E+03
24	567133	U-235	U-235	8.76 E-05	1.67 E+03
25	567133	U-238	U-238	1.24 E-02	1.67 E+03
26	567134	13473900	$Al(NO_3)_3$	4.00 E+07	1.42 E+04
27	567134	Am-241	Am-241	5.84 E+00	1.42 E+04
28	567134	Cs-137	Cs-137	3.53 E+03	1.42 E+04
29	567134	H-3	H-3	1.88 E-03	1.42 E+04
30	567134	7697372	HNO_3	4.80 E+08	1.42 E+04
31	567134	108101	MIBK	1.00 E+07	1.42 E+04
32	567134	7647145	Na	8.00 E+06	1.42 E+04
33	567134	10588019	NaCr	1.00 E+07	1.42 E+04
34	567134	6484522	NH_4NO_3	6.00 E+05	1.42 E+04
35	567134	14797558	NO_3	1.20 E+08	1.42 E+04
36	567134	Pu-238	Pu-238	1.36 E+00	1.42 E+04

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
567134	Pu-239	Pu-239	1.06 E+02	1.42 E+04
567134	Pu-240	Pu-240	1.18 E+01	1.42 E+04
567134	Pu-241	Pu-241	1.68 E+02	1.42 E+04
567134	Pu-242	Pu-242	1.01 E-03	1.42 E+04
567134	Ru-106	Ru-106	3.27 E-04	1.42 E+04
567134	Sr-90	Sr-90	4.07 E+03	1.42 E+04
567134	U-235	U-235	6.71 E-02	1.42 E+04
567134	U-238	U-238	9.53 E+00	1.42 E+04
567135	Am-241	Am-241	2.82 E-01	3.48 E+02
567135	Cs-137	Cs-137	1.17 E+01	3.48 E+02
567135	7647145	Na	5.00 E+08	3.48 E+02
567135	14797558	NO_3	1.20 E+09	3.48 E+02
567135	#REF!	NPH	4.00 E+07	3.48 E+02
567135	7601549	PO_4	7.00 E+07	3.48 E+02
567135	Pu-238	Pu-238	6.60 E-02	3.48 E+02
567135	Pu-239	Pu-239	5.14 E+00	3.48 E+02
567135	Pu-240	Pu-240	5.73 E-01	3.48 E+02
567135	Pu-241	Pu-241	8.12 E+00	3.48 E+02
567135	Pu-242	Pu-242	4.90 E-05	3.48 E+02
567135	Ru-106	Ru-106	7.30 E-07	3.48 E+02
567135	12808798	SO_4	1.00 E+08	3.48 E+02
567135	Sr-90	Sr-90	9.06 E+00	3.48 E+02
567135	126738	TBP	1.30 E+07	3.48 E+02
567135	U-235	U-235	6.63 E-03	3.48 E+02
567135	U-238	U-238	9.41 E-01	3.48 E+02
567136	Am-241	Am-241	2.47 E+01	6.44 E+02
567136	Cs-137	Cs-137	4.27 E+02	6.44 E+02
567136	7782414	F	6.40 E+07	6.44 E+02
567136	7664939	H_2SO_4	1.00 E+06	6.44 E+02
567136	7697372	HNO_3	1.00 E+06	6.44 E+02
567136	7447407	K	6.00 E+07	6.44 E+02
567136	7647145	Na	4.10 E+08	6.44 E+02
567136	10588019	NaCr	1.00 E+04	6.44 E+02
567136	1310732	NaOH	1.00 E+04	6.44 E+02
567136	62760	$Na_2C_2O_4$	1.50 E+07	6.44 E+02
567136	6484522	NH_4NO_3	6.60 E+06	6.44 E+02

Table B2-9. Aggregated Inventories of Waste Sites: Subsurface. (9 sheets)

	Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
1	567136	14797558	NO_3	4.85 E+08	6.44 E+02
2	567136	7601549	PO_4	3.40 E+07	6.44 E+02
3	567136	Pu-238	Pu-238	5.77 E+00	6.44 E+02
4	567136	Pu-239	Pu-239	4.50 E+02	6.44 E+02
5	567136	Pu-240	Pu-240	5.01 E+01	6.44 E+02
6	567136	Pu-241	Pu-241	7.11 E+02	6.44 E+02
7	567136	Pu-242	Pu-242	4.29 E-03	6.44 E+02
8	567136	Ru-106	Ru-106	1.14 E-07	6.44 E+02
9	567136	12808798	SO_4	3.90 E+06	6.44 E+02
10	567136	Sr-90	Sr-90	4.31 E+02	6.44 E+02
11	567136	U-235	U-235	2.07 E-04	6.44 E+02
12	567136	U-238	U-238	2.75 E-02	6.44 E+02
13	567137	Am-241	Am-241	1.43 E+01	2.30 E+04
14	567137	Cs-137	Cs-137	9.43 E+02	2.30 E+04
15	567137	14797558	NO_3	2.00 E+06	2.30 E+04
16	567137	Pu-238	Pu-238	3.37 E+00	2.30 E+04
17	567137	Pu-239	Pu-239	1.38 E+02	2.30 E+04
18	567137	Pu-240	Pu-240	2.90 E+01	2.30 E+04
19	567137	Pu-241	Pu-241	4.30 E+02	2.30 E+04
20	567137	Pu-242	Pu-242	2.48 E-03	2.30 E+04
21	567137	Ru-106	Ru-106	2.04 E-05	2.30 E+04
22	567137	Sr-90	Sr-90	9.14 E+02	2.30 E+04
23	567137	U-235	U-235	1.37 E-02	2.30 E+04
24	567137	U-238	U-238	3.17 E-01	2.30 E+04
25	568146	C-14	C-14	1.05 E+02	5.84 E+05
26	568146	Co-60	Co-60	6.29 E-02	5.84 E+05
27	568146	Cs-134	Cs-134	1.09 E-04	5.84 E+05
28	568146	Cs-137	Cs-137	3.75 E-01	5.84 E+05
29	568146	Eu-152	Eu-152	6.90 E-01	5.84 E+05
30	568146	Eu-154	Eu-154	1.49 E-01	5.84 E+05
31	568146	Eu-155	Eu-155	9.04 E-02	5.84 E+05
32	568146	H-3	H-3	6.65 E+01	5.84 E+05
33	568146	Sr-90	Sr-90	5.76 E-02	5.84 E+05
34	568146	U-238	U-238	1.10 E-04	5.84 E+05
35	569140	Cs-137	Cs-137	4.75 E-01	3.20 E+01
36	569140	Ru-106	Ru-106	1.53 E-12	3.20 E+01

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
569140	Sr-90	Sr-90	4.54 E-01	3.20 E+01
569146	C-14	C-14	1.07 E+02	7.83 E+05
569146	Co-60	Co-60	1.61 E+03	7.83 E+05
569146	Cs-134	Cs-134	1.78 E-04	7.83 E+05
569146	Cs-137	Cs-137	9.27 E+00	7.83 E+05
569146	Eu-152	Eu-152	3.99 E+01	7.83 E+05
569146	Eu-154	Eu-154	6.29 E+01	7.83 E+05
569146	Eu-155	Eu-155	5.11 E-02	7.83 E+05
569146	H-3	H-3	5.18 E+01	7.83 E+05
569146	7439976	Hg	9.00 E+05	7.83 E+05
569146	1310732	NaOH	1.00 E+08	7.83 E+05
569146	Ni-63	Ni-63	3.66 E+02	7.83 E+05
569146	Pu-239	Pu-239	2.33 E-01	7.83 E+05
569146	Pu-240	Pu-240	1.57 E-02	7.83 E+05
569146	Sb-125	Sb-125	9.74 E+00	7.83 E+05
569146	Sr-90	Sr-90	9.46 E+00	7.83 E+05
569146	U-235	U-235	2.00 E-05	7.83 E+05
569146	U-238	U-238	2.08 E-03	7.83 E+05
569147	C-14	C-14	8.97 E-01	1.05 E+05
569147	Co-60	Co-60	3.47 E+01	1.05 E+05
569147	Cs-134	Cs-134	2.17 E-01	1.05 E+05
569147	Cs-137	Cs-137	1.53 E+02	1.05 E+05
569147	7758987	Cu_2SO_4	5.00 E+05	1.05 E+05
569147	Eu-152	Eu-152	6.02 E+02	1.05 E+05
569147	Eu-154	Eu-154	1.57 E+02	1.05 E+05
569147	Eu-155	Eu-155	6.22 E+00	1.05 E+05
569147	7664939	H_2SO_4	1.00 E+07	1.05 E+05
569147	H-3	H-3	1.27 E+01	1.05 E+05
569147	10588019	NaCr	3.00 E+08	1.05 E+05
569147	Ni-63	Ni-63	1.37 E+02	1.05 E+05
569147	Pu-238	Pu-238	1.86 E-01	1.05 E+05
569147	Pu-239	Pu-239	4.63 E+00	1.05 E+05
569147	Pu-240	Pu-240	5.14 E-01	1.05 E+05
569147	Sr-90	Sr-90	8.76 E+00	1.05 E+05
569147	7664939	H_2SO_4	1.00 E+07	1.05 E+05
569147	U-235	U-235	2.78 E-03	1.05 E+05

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Table B2-9. Aggregated Inventories of Waste Sites: Subsurface. (9 sheets)

	Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
1	569147	U-238	U-238	3.17 E-01	1.05 E+05
2	570140	Am-241	Am-241	6.59 E-03	3.12 E+03
3	570140	Cs-137	Cs-137	4.82 E-01	3.12 E+03
4	570140	Pu-238	Pu-238	1.54 E-03	3.12 E+03
5	570140	Pu-239	Pu-239	1.20 E-01	3.12 E+03
6	570140	Pu-240	Pu-240	1.34 E-02	3.12 E+03
7	570140	Pu-241	Pu-241	1.89 E-01	3.12 E+03
8	570140	Pu-242	Pu-242	1.14 E-06	3.12 E+03
9	570140	Ru-106	Ru-106	1.82 E-12	3.12 E+03
10	570140	Sr-90	Sr-90	4.62 E-01	3.12 E+03
11	570140	U-235	U-235	1.06 E-05	3.12 E+03
12	570140	U-238	U-238	1.50 E-03	3.12 E+03
13	571140	Am-241	Am-241	6.59 E-03	2.42 E+03
14	571140	Cs-137	Cs-137	4.82 E-01	2.42 E+03
15	571140	Pu-238	Pu-238	1.54 E-03	2.42 E+03
16	571140	Pu-239	Pu-239	1.20 E-01	2.42 E+03
17	571140	Pu-240	Pu-240	1.34 E-02	2.42 E+03
18	571140	Pu-241	Pu-241	1.89 E-01	2.42 E+03
19	571140	Pu-242	Pu-242	1.14 E-06	2.42 E+03
20	571140	Ru-106	Ru-106	1.82 E-12	2.42 E+03
21	571140	Sr-90	Sr-90	4.62 E-01	2.42 E+03
22	571140	U-235	U-235	1.06 E-05	2.42 E+03
23	571140	U-238	U-238	1.50 E-03	2.42 E+03
24	571149	Ce-144	Ce-144	5.14 E-06	6.77 E+04
25	571149	Co-60	Co-60	2.20 E+03	6.77 E+04
26	571149	Cs-134	Cs-134	1.19 E+01	6.77 E+04
27	571149	Cs-137	Cs-137	2.38 E+03	6.77 E+04
28	571149	H-3	H-3	5.09 E-01	6.77 E+04
29	571149	Pu-239	Pu-239	2.06 E+01	6.77 E+04
30	571149	Ru-106	Ru-106	6.32 E+00	6.77 E+04
31	571149	Sr-90	Sr-90	1.79 E+03	6.77 E+04
32	572150	C-14	C-14	6.31 E-01	8.19 E+04
33	572150	Co-60	Co-60	5.18 E+02	8.19 E+04
34	572150	Cs-137	Cs-137	1.38 E+00	8.19 E+04
35	572150	Eu-152	Eu-152	1.34 E+01	8.19 E+04
36	572150	Eu-154	Eu-154	2.06 E+01	8.19 E+04

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
572150	H-3	H-3	2.83 E+00	8.19 E+04
572150	Ni-63	Ni-63	9.00 E+01	8.19 E+04
572150	Sr-90	Sr-90	1.37 E+00	8.19 E+04
573134	Am-241	Am-241	1.77 E+00	7.04 E+03
573134	Cs-137	Cs-137	1.17 E+04	7.04 E+03
573134	13943583	FeCN (Fe II/III)	6.42 E+07	7.04 E+03
573134	7647145	Na	1.04 E+10	7.04 E+03
573134	62760	$Na_2C_2O_4$	1.00 E+06	7.04 E+03
573134	14797558	NO_3	2.39 E+10	7.04 E+03
573134	7601549	PO_4	1.26 E+09	7.04 E+03
573134	Pu-238	Pu-238	4.14 E-01	7.04 E+03
573134	Pu-239	Pu-239	3.22 E+01	7.04 E+03
573134	Pu-240	Pu-240	3.59 E+00	7.04 E+03
573134	Pu-241	Pu-241	5.09 E+01	7.04 E+03
573134	Pu-242	Pu-242	3.07 E-04	7.04 E+03
573134	Ru-106	Ru-106	2.33 E-05	7.04 E+03
573134	12808798	SO_4	1.67 E+09	7.04 E+03
573134	Sr-90	Sr-90	1.07 E+04	7.04 E+03
573134	U-235	U-235	1.26 E-02	7.04 E+03
573134	U-238	U-238	1.79 E+00	7.04 E+03
573136	13473900	$Al(NO_3)_3$	5.00 E+06	1.81 E+04
573136	Am-241	Am-241	3.20 E+01	1.81 E+04
573136	Co-60	Co-60	1.02 E+02	1.81 E+04
573136	Cs-137	Cs-137	3.22 E+03	1.81 E+04
573136	7782414	F	5.00 E+07	1.81 E+04
573136	H-3	H-3	1.74 E+01	1.81 E+04
573136	7697372	HNO_3	1.00 E+06	1.81 E+04
573136	7447407	K	8.00 E+07	1.81 E+04
573136	7647145	Na	3.50 E+08	1.81 E+04
573136	10588019	NaCr	1.00 E+05	1.81 E+04
573136	6484522	NH_4NO_3	1.89 E+09	1.81 E+04
573136	14797558	NO_3	4.02 E+08	1.81 E+04
573136	144627	C_2O_4	1.20 E+07	1.81 E+04
573136	7601549	PO_4	2.90 E+07	1.81 E+04
573136	Pu-238	Pu-238	7.45 E+00	1.81 E+04
573136	Pu-239	Pu-239	1.90 E+03	1.81 E+04

Table B2-9. Aggregated Inventories of Waste Sites: Subsurface. (9 sheets)

1	Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
1	573136	Pu-240	Pu-240	6.47 E+01	1.81 E+04
2	573136	Pu-241	Pu-241	9.17 E+02	1.81 E+04
3	573136	Pu-242	Pu-242	5.53 E-03	1.81 E+04
4	573136	Ru-106	Ru-106	5.02 E-03	1.81 E+04
5	573136	12808798	SO_4	4.30 E+06	1.81 E+04
6	573136	Sr-90	Sr-90	1.27 E+03	1.81 E+04
7	573136	U-235	U-235	5.87 E+00	1.81 E+04
8	573136	U-238	U-238	7.20 E+00	1.81 E+04
9	573137	Am-241	Am-241	4.73 E+01	4.65 E+04
10	573137	Cs-137	Cs-137	1.99 E+04	4.65 E+04
11	573137	7782414	F	3.39 E+08	4.65 E+04
12	573137	13943583	$FeCN_{(Fe\ II/III)}$	1.97 E+07	4.65 E+04
13	573137	7664939	H_2SO_4	1.40 E+09	4.65 E+04
14	573137	7447407	K	4.40 E+08	4.65 E+04
15	573137	7647145	Na	7.09 E+09	4.65 E+04
16	573137	1302427	NaAl	3.58 E+08	4.65 E+04
17	573137	1310732	NaOH	7.35 E+07	4.65 E+04
18	573137	#REF!	NaSi	1.48 E+08	4.65 E+04
19	573137	506876	$(NH_4)_2CO_3$	2.11 E+07	4.65 E+04
20	573137	6484522	NH_4NO_3	1.92 E+08	4.65 E+04
21	573137	Nitrite	NO_2	2.83 E+08	4.65 E+04
22	573137	14797558	NO_3	1.15 E+10	4.65 E+04
23	573137	144627	C_2O_4	6.60 E+07	4.65 E+04
24	573137	7601549	PO_4	1.55 E+09	4.65 E+04
25	573137	Pu-238	Pu-238	1.08 E+01	4.65 E+04
26	573137	Pu-239	Pu-239	9.55 E+02	4.65 E+04
27	573137	Pu-240	Pu-240	9.65 E+01	4.65 E+04
28	573137	Pu-241	Pu-241	1.26 E+03	4.65 E+04
29	573137	Pu-242	Pu-242	8.25 E-03	4.65 E+04
30	573137	Ru-106	Ru-106	8.94 E-06	4.65 E+04
31	573137	12808798	SO_4	6.96 E+08	4.65 E+04
32	573137	Sr-90	Sr-90	2.50 E+04	4.65 E+04
33	573137	U-235	U-235	1.19 E-02	4.65 E+04
34	573137	U-238	U-238	7.06 E-01	4.65 E+04
35	573150	Co-60	Co-60	3.76 E+01	1.05 E+05
36	573151	C-14	C-14	6.31 E-01	1.04 E+05

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
573151	Co-60	Co-60	5.70 E+02	1.04 E+05
573151	Cs-134	Cs-134	2.64 E-04	1.04 E+05
573151	Cs-137	Cs-137	2.69 E+00	1.04 E+05
573151	Eu-152	Eu-152	1.30 E+01	1.04 E+05
573151	Eu-154	Eu-154	1.96 E+01	1.04 E+05
573151	Eu-155	Eu-155	1.80 E-01	1.04 E+05
573151	H-3	H-3	3.82 E+00	1.04 E+05
573151	7632044	KBO_2	3.00 E+06	1.04 E+05
573151	10588019	NaCr	1.70 E+06	1.04 E+05
573151	62760	$Na_2C_2O_4$	2.00 E+06	1.04 E+05
573151	5329146	NaSulfam	2.00 E+06	1.04 E+05
573151	Ni-63	Ni-63	5.05 E+01	1.04 E+05
573151	Pu-239	Pu-239	2.71 E-02	1.04 E+05
573151	Pu-240	Pu-240	3.01 E-03	1.04 E+05
573151	Sr-90	Sr-90	1.47 E+00	1.04 E+05
573151	U-235	U-235	5.00 E-05	1.04 E+05
573151	U-238	U-238	6.24 E-03	1.04 E+05
573152	Co-60	Co-60	8.16 E-01	2.90 E+05
573152	Cs-134	Cs-134	6.39 E-04	2.90 E+05
573152	Cs-137	Cs-137	1.27 E+01	2.90 E+05
573152	Eu-152	Eu-152	6.15 E+00	2.90 E+05
573152	Eu-154	Eu-154	9.38 E-01	2.90 E+05
573152	Eu-155	Eu-155	6.47 E-02	2.90 E+05
573152	H-3	H-3	4.88 E-01	2.90 E+05
573152	10588019	NaCr	4.00 E+04	2.90 E+05
573152	Pu-238	Pu-238	9.17 E-04	2.90 E+05
573152	Pu-239	Pu-239	8.45 E-02	2.90 E+05
573152	Pu-240	Pu-240	3.50 E-03	2.90 E+05
573152	Sr-90	Sr-90	3.27 E-01	2.90 E+05
573152	U-235	U-235	2.82 E-02	2.90 E+05
573152	U-238	U-238	2.78 E-02	2.90 E+05
574135	Am-241	Am-241	9.01 E+00	3.60 E+04
574135	Cs-137	Cs-137	2.61 E+02	3.60 E+04
574135	H-3	H-3	1.85 E+04	3.60 E+04
574135	I-129	I-129	1.07 E-01	3.60 E+04
574135	Pm-147	Pm-147	3.12 E-01	3.60 E+04

96-RCD-202

Table B2-9. Aggregated Inventories of Waste Sites: Subsurface. (9 sheets)

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
574135	Pu-238	Pu-238	2.26 E+00	3.60 E+04
574135	Pu-239	Pu-239	1.05 E+02	3.60 E+04
574135	Pu-240	Pu-240	1.67 E+01	3.60 E+04
574135	Pu-241	Pu-241	2.88 E+02	3.60 E+04
574135	Pu-242	Pu-242	1.43 E-03	3.60 E+04
574135	Ru-106	Ru-106	3.08 E-01	3.60 E+04
574135	Sr-90	Sr-90	2.63 E+02	3.60 E+04
574135	U-235	U-235	6.62 E-03	3.60 E+04
574135	U-238	U-238	2.13 E-01	3.60 E+04
574136	Am-241	Am-241	5.90 E+01	8.89 E+04
574136	Cs-137	Cs-137	1.98 E+02	8.89 E+04
574136	Eu-154	Eu-154	1.10 E-06	8.89 E+04
574136	7697372	HNO_3	1.50 E+07	8.89 E+04
574136	7647145	Na	3.00 E+06	8.89 E+04
574136	14797558	NO_3	8.35 E+06	8.89 E+04
574136	#REF!	NPH	2.40 E+07	8.89 E+04
574136	Pu-238	Pu-238	1.39 E+01	8.89 E+04
574136	Pu-239	Pu-239	5.23 E+02	8.89 E+04
574136	Pu-240	Pu-240	1.20 E+02	8.89 E+04
574136	Pu-241	Pu-241	1.78 E+03	8.89 E+04
574136	Pu-242	Pu-242	1.02 E-02	8.89 E+04
574136	Ru-106	Ru-106	1.33 E-05	8.89 E+04
574136	Sr-90	Sr-90	3.76 E+02	8.89 E+04
574136	78466	TBPPH	1.40 E+07	8.89 E+04
574136	U-235	U-235	1.59 E-02	8.89 E+04
574136	U-238	U-238	4.61 E-01	8.89 E+04
574152	Co-60	Co-60	6.60 E-01	2.05 E+03
574152	Cs-134	Cs-134	6.39 E-04	2.05 E+03
574152	Cs-137	Cs-137	1.21 E+01	2.05 E+03
574152	Eu-152	Eu-152	4.44 E+00	2.05 E+03
574152	Eu-154	Eu-154	7.23 E-01	2.05 E+03
574152	Eu-155	Eu-155	6.16 E-02	2.05 E+03
574152	H-3	H-3	3.62 E-01	2.05 E+03
574152	10588019	NaCr	4.00 E+04	2.05 E+03
574152	Pu-239	Pu-239	3.15 E-02	2.05 E+03
574152	Pu-240	Pu-240	3.50 E-03	2.05 E+03
574152	Sr-90	Sr-90	2.77 E-01	2.05 E+03
574152	U-235	U-235	2.40 E-04	2.05 E+03
574152	U-238	U-238	2.78 E-02	2.05 E+03
575135	Am-241	Am-241	6.72 E+00	1.97 E+04
575135	Cs-137	Cs-137	4.78 E+03	1.97 E+04
575135	H-3	H-3	2.12 E+03	1.97 E+04
575135	I-129	I-129	1.27 E-02	1.97 E+04
575135	7647145	Na	2.10 E+07	1.97 E+04
575135	10588019	NaCr	6.10 E+05	1.97 E+04
575135	6484522	NH_4NO_3	7.03 E+08	1.97 E+04
575135	14797558	NO_3	1.04 E+09	1.97 E+04
575135	#REF!	NPH	1.25 E+08	1.97 E+04
575135	Pm-147	Pm-147	2.51 E+00	1.97 E+04
575135	Pu-238	Pu-238	1.47 E+00	1.97 E+04
575135	Pu-239	Pu-239	1.15 E+02	1.97 E+04
575135	Pu-240	Pu-240	1.28 E+01	1.97 E+04
575135	Pu-241	Pu-241	1.82 E+02	1.97 E+04
575135	Pu-242	Pu-242	1.09 E-03	1.97 E+04
575135	Ru-106	Ru-106	3.29 E+00	1.97 E+04
575135	Sn-113	Sn-113	6.21 E-03	1.97 E+04
575135	12808798	SO_4	2.90 E+07	1.97 E+04
575135	Sr-90	Sr-90	4.68 E+03	1.97 E+04
575135	126738	TBP	7.29 E+07	1.97 E+04
575135	U-235	U-235	8.08 E-03	1.97 E+04
575135	U-238	U-238	1.15 E+00	1.97 E+04
575136	Am-241	Am-241	3.75 E-01	3.01 E+04
575136	50328	BP	2.20 E+08	3.01 E+04
575136	Cs-137	Cs-137	1.65 E+03	3.01 E+04
575136	H-3	H-3	3.46 E-01	3.01 E+04
575136	506876	$(NH_4)_2CO_3$	5.20 E+08	3.01 E+04
575136	14797558	NO_3	3.21 E+08	3.01 E+04
575136	#REF!	NPH	2.56 E+08	3.01 E+04
575136	Pu-238	Pu-238	8.77 E-02	3.01 E+04
575136	Pu-239	Pu-239	6.83 E+00	3.01 E+04
575136	Pu-240	Pu-240	7.61 E-01	3.01 E+04
575136	Pu-241	Pu-241	1.08 E+01	3.01 E+04

Table B2-9. Aggregated Inventories of Waste Sites: Subsurface. (9 sheets)

1	Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
1	575136	Pu-242	Pu-242	6.51 E-05	3.01 E+04
2	575136	Ru-106	Ru-106	4.83 E-05	3.01 E+04
3	575136	Sr-90	Sr-90	9.31 E+02	3.01 E+04
4	575136	126738	TBP	1.00 E+08	3.01 E+04
5	575136	U-235	U-235	9.66 E-02	3.01 E+04
6	575136	U-238	U-238	1.37 E+01	3.01 E+04
7	575137	Am-241	Am-241	1.32 E-01	1.83 E+04
8	575137	Cs-137	Cs-137	1.04 E-01	1.83 E+04
9	575137	Pu-238	Pu-238	3.10 E-02	1.83 E+04
10	575137	Pu-239	Pu-239	1.17 E+00	1.83 E+04
11	575137	Pu-240	Pu-240	2.67 E-01	1.83 E+04
12	575137	Pu-241	Pu-241	3.98 E+00	1.83 E+04
13	575137	Pu-242	Pu-242	2.29 E-05	1.83 E+04
14	575137	Ru-106	Ru-106	2.32 E-10	1.83 E+04
15	575137	Sr-90	Sr-90	9.28 E-02	1.83 E+04
16	575137	U-235	U-235	3.02 E-05	1.83 E+04
17	575137	U-238	U-238	6.65 E-04	1.83 E+04
18	577152	C-14	C-14	6.31 E-01	1.18 E+05
19	577152	Co-60	Co-60	3.86 E+02	1.18 E+05
20	577152	Cs-134	Cs-134	8.52 E-06	1.18 E+05
21	577152	Cs-137	Cs-137	1.18 E+00	1.18 E+05
22	577152	Eu-152	Eu-152	1.18 E+01	1.18 E+05
23	577152	Eu-154	Eu-154	1.86 E+01	1.18 E+05
24	577152	Eu-155	Eu-155	2.44 E-03	1.18 E+05
25	577152	H-3	H-3	3.01 E+00	1.18 E+05
26	577152	10588019	NaCr	3.60 E+06	1.18 E+05
27	577152	62760	$Na_2C_2O_4$	2.00 E+06	1.18 E+05
28	577152	5329146	NaSulfam	2.00 E+06	1.18 E+05
29	577152	Pu-239	Pu-239	4.60 E-04	1.18 E+05
30	577152	Pu-240	Pu-240	4.00 E-05	1.18 E+05
31	577152	Sr-90	Sr-90	1.36 E+00	1.18 E+05
32	577152	U-235	U-235	5.00 E-05	1.18 E+05
33	577152	U-238	U-238	5.94 E-03	1.18 E+05
34	578152	C-14	C-14	4.04 E-02	4.40 E+05
35	578152	Co-60	Co-60	7.00 E-01	4.40 E+05
36	578152	Cs-134	Cs-134	1.15 E-05	4.40 E+05

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
578152	Cs-137	Cs-137	4.46 E+00	4.40 E+05
578152	Eu-152	Eu-152	9.28 E+00	4.40 E+05
578152	Eu-154	Eu-154	3.97 E+00	4.40 E+05
578152	Eu-155	Eu-155	9.08 E-02	4.40 E+05
578152	H-3	H-3	4.20 E-02	4.40 E+05
578152	10588019	NaCr	9.00 E+04	4.40 E+05
578152	Pu-238	Pu-238	4.29 E-03	4.40 E+05
578152	Pu-239	Pu-239	1.08 E-01	4.40 E+05
578152	Pu-240	Pu-240	6.69 E-03	4.40 E+05
578152	Sr-90	Sr-90	8.25 E-01	4.40 E+05
578152	U-235	U-235	4.94 E-02	4.40 E+05
578152	U-238	U-238	1.59 E-01	4.40 E+05
579147	Co-60	Co-60	1.98 E+01	3.10 E+04
580147	C-14	C-14	6.50 E-01	1.51 E+05
580147	Co-60	Co-60	4.68 E+02	1.51 E+05
580147	Cs-134	Cs-134	5.42 E-04	1.51 E+05
580147	Cs-137	Cs-137	3.98 E+00	1.51 E+05
580147	Eu-152	Eu-152	1.41 E+01	1.51 E+05
580147	Eu-154	Eu-154	2.11 E+01	1.51 E+05
580147	Eu-155	Eu-155	3.54 E-02	1.51 E+05
580147	H-3	H-3	4.86 E+00	1.51 E+05
580147	10588019	NaCr	2.10 E+06	1.51 E+05
580147	62760	$Na_2C_2O_4$	2.00 E+06	1.51 E+05
580147	5329146	NaSulfam	2.00 E+06	1.51 E+05
580147	Ni-63	Ni-63	8.10 E+01	1.51 E+05
580147	Pu-238	Pu-238	5.15 E-04	1.51 E+05
580147	Pu-239	Pu-239	5.27 E-02	1.51 E+05
580147	Pu-240	Pu-240	5.84 E-03	1.51 E+05
580147	Sr-90	Sr-90	1.19 E+01	1.51 E+05
580147	7664939	H_2SO_4	1.30 E+07	1.51 E+05
580147	U-235	U-235	2.30 E-04	1.51 E+05
580147	U-238	U-238	2.73 E-02	1.51 E+05
581147	C-14	C-14	5.50 E-02	2.97 E+05
581147	Co-60	Co-60	1.18 E+00	2.97 E+05
581147	Cs-134	Cs-134	1.23 E-04	2.97 E+05
581147	Cs-137	Cs-137	9.93 E-01	2.97 E+05

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Table B2-9. Aggregated Inventories of Waste Sites: Subsurface. (9 sheets)

Cell ID	Case ID	Name	Soil Inventory (Ci or g)	Soil Volume (m^3)
581147	Eu-152	Eu-152	9.35 E+00	2.97 E+05
581147	Eu-154	Eu-154	2.07 E+00	2.97 E+05
581147	Eu-155	Eu-155	1.71 E-01	2.97 E+05
581147	H-3	H-3	4.27 E-01	2.97 E+05
581147	10588019	NaCr	6.00 E+04	2.97 E+05
581147	Pu-238	Pu-238	1.16 E-05	2.97 E+05
581147	Pu-239	Pu-239	3.30 E-01	2.97 E+05
581147	Pu-240	Pu-240	1.52 E-03	2.97 E+05
581147	Sr-90	Sr-90	1.14 E+01	2.97 E+05
581147	U-235	U-235	1.41 E-02	2.97 E+05
581147	U-238	U-238	1.58 E-02	2.97 E+05
589127	Co-60	Co-60	8.79 E+01	7.61 E+04
590121	Co-60	Co-60	5.94 E+01	1.04 E+05
590121	Pu-239	Pu-239	4.14 E+01	1.04 E+05
590121	U-235	U-235	3.11 E-05	1.04 E+05
590121	U-238	U-238	3.35 E-07	1.04 E+05
591122	108101	MIBK	3.00 E+06	8.06 E+01
591122	14797558	NO_3	1.00 E+06	8.06 E+01
591122	7440611	U	2.00 E+06	8.06 E+01
592116	Co-60	Co-60	5.51 E-06	1.85 E+05
592116	Th-232	Th-232	2.19 E-03	1.85 E+05
592116	U-235	U-235	3.41 E-01	1.85 E+05
592116	U-238	U-238	7.31 E+00	1.85 E+05
593116	Co-60	Co-60	2.13 E-05	3.69 E+04
593116	U-235	U-235	3.42 E-01	3.69 E+04
593116	U-238	U-238	7.31 E+00	3.69 E+04
594115	7440224	AgI	3.00 E+05	1.07 E+04
594115	7440417	Be	1.00 E+04	1.07 E+04
594115	7440439	CdII	2.00 E+04	1.07 E+04
594115	7440473	CrVI	1.00 E+06	1.07 E+04
594115	7440508	CuII	2.00 E+07	1.07 E+04
594115	7782414	F	2.00 E+06	1.07 E+04
594115	7439976	Hg	1.00 E+04	1.07 E+04
594115	7440020	NiII	3.00 E+06	1.07 E+04
594115	7439921	PbII	6.00 E+05	1.07 E+04
594115	7440611	U	1.00 E+07	1.07 E+04
594115	Zn-65	ZnII	1.00 E+06	1.07 E+04
594116	Cs-137	Cs-137	9.17 E+02	1.63 E+04
594116	Pu-239	Pu-239	6.00 E-02	1.63 E+04
594116	Pu-240	Pu-240	1.70 E-02	1.63 E+04
594116	Sr-90	Sr-90	9.15 E+02	1.63 E+04

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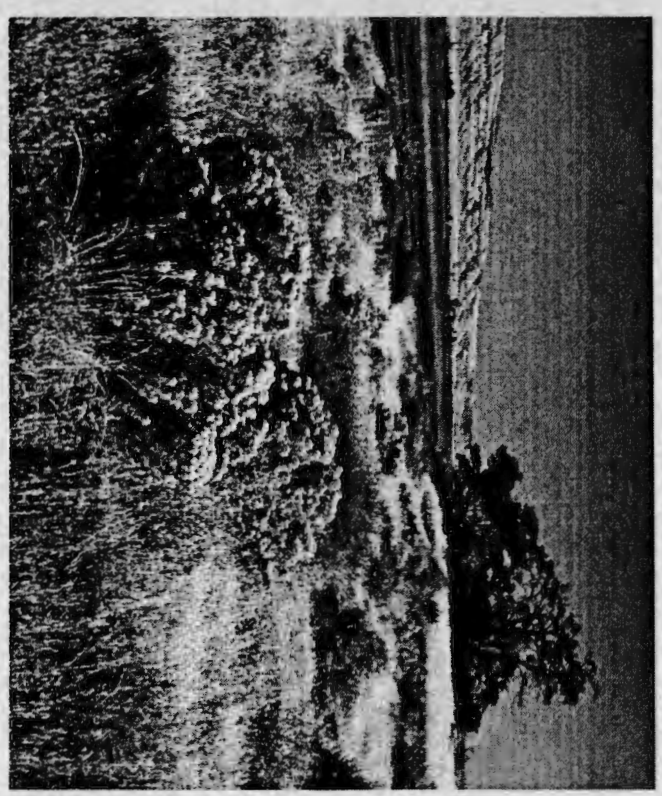

Appendix B3

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B3.0 Transport

Transport refers to the movement of a contaminant in the environment from the source to the potential receptor, typically a human or other organism. Transport modeling is divided into two regions (near and far field) depending on whether natural phenomena or the chemical and physical characteristics of the waste predominate (Till and Meyer 1983). For the far-field case, natural phenomena are the predominant transport mechanisms for the contaminant. For the near field case, the chemical and physical properties of the contaminants are the predominant transport mechanisms. Neither near-field nor far-field effects are solely responsible for the transport to a receptor, and for the *Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan* (HRA-EIS) both effects were modeled for a given exposure scenario.

A unit transport analysis (UTA) was conducted to generate unit concentrations for soil, groundwater, surface water, and air at multiple locations within an 80-km (50-mi) radius at years 40, 100, 140, 1000, and 10,000. Computer modeling runs were made to generate unit soil, air, groundwater, and surface water concentrations and the UTA output represents an intermediate step in presenting information as part of this risk assessment. Consequently, a summary of the output results is not presented, although the output data is available upon request. The scope of the effort associated with generating unit concentrations for all constituents is summarized as follows.

- Define transport scenarios.
- Determine characteristics in the environmental settings.
- Collect and review physical source-term data.
- Develop a structure for performing unit transport simulations and developing the database associated with those simulations for the following environments: soils, ponds, rivers, and groundwater.
- Develop a structure for analysis of unit transport results in the following environments: groundwater (soils), groundwater (ponds), surface water (Columbia River), and atmosphere.
- Develop an interface and pre- and post-processing programs.
- Identify the distribution coefficient (K_d) per environmental setting per constituent.
- Modify the Multimedia Environmental Pollutant Assessment System (MEPAS) to run as compartments, providing spatially varying results.
- Determine the number of matrix simulations.
- Analyze the unit transport through the following transport media: groundwater (soils), groundwater (ponds), surface water (Columbia River), and atmosphere.
- Generate unit concentrations in soil, groundwater, surface water, and atmospheric media at multiple locations within an 80-km (50-mi) radius of the center of the Hanford Site for multiple constituents in two waste forms (i.e., contaminated soils and ponded wastes) for times of 40, 100, 140, 1000, and 10,000 years in the future.

The baseline risk is evaluated for the year 1989 (T_0) and the five future times. These times were are selected based on the following logic.

- T_0 is 1989, the start of remedial activities.
- T_{40} is 2029, the anticipated completion of remedial activities.
- T_{100} is 2089, when the postulated loss of institutional controls occurs in the absence of any remedial activities.
- T_{140} is 2129, when the postulated loss of institutional controls occurs after completion of remedial activities.
- T_{1000} is an intermediate time between T_{140} and T_{10000}.
- T_{10000} is consistent with the U.S. Environmental Protection Agency's performance assessment regulations for waste repositories (40 CFR Part 191).

B3.1 Unit Transport Analysis

Although the current conditions at the Site have been identified under the source-term analysis, future conditions must also be assessed. To assess future impacts to surrounding populations, the environment, or workers, a transport analysis was performed to project where the contaminants might go. The transport, migration, and fate of contaminants in the environment was analyzed at locations away from each grid-cell source. The transport analysis temporally and spatially redistributes the contaminants within the 80-km (50-mi) radius for each environmental medium (i.e., soil, groundwater, surface water, and air). Following redistribution of the contaminants by the transport analysis, new contaminant levels in the soil, groundwater, surface water, and air were determined in each grid cell. The transport analysis assumes that all of the source-term contaminants can be released to the environment over time.

Before analyzing transport, a sensitivity analysis was performed to determine conditions of linearity. For example, if the concentration at the receptor varies linearly with the mass of contaminant at the source, doubling the emission rate from the source would double the contaminant concentration rate at the receptor. Under conditions of linearity, it is not necessary to know the source strength prior to performing the transport analysis. If, for example, the assessment is linear with respect to waste-site inventory (e.g., a temporally far-field case), a unit inventory (e.g., 1 Ci or 1 kg) could be assumed for the waste site, resulting in a unit environmental concentration at the receptor. When the inventory is determined at the source, the predicted concentration at the receptor is the unit concentration times the inventory. Each time the source is changed, the predicted concentration at the receptor is determined by simple multiplication. In effect, the transport computer codes only have to be run once.

B3.1.1 Calculations of Linearity

Source-term area, mass, and concentration are the important parameters driving the linearity of the Modular Risk Analysis (MRA) at Hanford. The importance of these parameters stems from the relevant assumptions, which are as follows.

Contaminant movement through the subsurface environment for all non-standing-water waste sites (e.g., contaminated soils) is mainly driven by precipitation, resulting in deep-drainage percolation. For those sites that do not contain concentration information, the source-term concentration (i.e., total concentration) is determined from the mass reported for the waste site divided by the total volume:

$$C_T = \frac{M}{V_T} = \frac{M}{A\ T} \tag{1}$$

where C_T is the total concentration (mass per total volume), M is the mass or inventory of the constituent, V_T is the total volume of contamination at the site, A is the area of contamination, and T is the thickness of the contamination. C_T is used to calculate the dissolved concentration as follows:

$$C_o = \frac{C_T}{\theta + \beta_d\ K_d} \tag{2}$$

where C_o is the dissolved concentration, θ is the moisture content, β_d is the bulk density, and K_d is the distribution (partition or equilibrium) coefficient for the chemical of concern. In the case of constituents undergoing radioactive decay, the K_d of both the parent and daughter are assigned the value of the K_d of the parent.

The contaminant mass flux from the waste site is assumed to be equal to the water mass flux times the dissolved contaminant concentration:

$$Q_c = C_o\ Q \tag{3}$$

where Q_c is the contaminant mass flux and Q is the water volumetric flux rate, where Q is defined as follows:

$$Q = i\ A \tag{4}$$

where i is the deep-drainage percolation rate (i.e., infiltration rate, Darcy velocity, or volumetric water discharge per unit area), and A is the area of contamination, as in Equation (1).

Based on Equations (1) through (4), the contaminant mass flux from the waste site can be calculated as follows:

$$Q_c = \frac{M\ i}{T\ (\theta + \beta_d\ K_d)} \tag{5}$$

Based on Equation (5), the contaminant mass flux and, hence, the receptor concentration and risk for a given contaminant appears to be proportional to and solely dependent on the mass at the waste site, assuming the same geologic setting. The mass flux would only be proportional to the receptor concentration as long as the concentration is below some limiting amount (e.g., C_o), where the relationship is linear.

Although the area appears to have no impact on the resulting receptor concentrations, its effects appear in the solution to the advective-dispersive equation. The instantaneous solution of the advective-dispersive equation for an area source in a saturated zone is as follows:

$$C_i = \delta \; X \; Y \; Z \qquad \text{where } X \equiv \text{flow direction} \tag{6}$$

in which

$$\delta = M / (R_f \, \eta_e) \tag{7}$$

$$X = \left(\frac{1}{2\,L}\right) \exp(-\lambda\, t) \left(\operatorname{erf}\left[\frac{x + \frac{L}{2} - u_p^{*}\, t}{(4\, D_x^{*}\, t)^{0.5}} \right] - \operatorname{erf}\left[\frac{x - \frac{L}{2} - u_p^{*}\, t}{(4\, D_x^{*}\, t)^{0.5}} \right] \right) \tag{8}$$

$$Y = \left(\frac{1}{2\,W}\right) \left(\operatorname{erf}\left[\frac{y + \frac{W}{2}}{(4\, D_y^{*}\, t)^{0.5}} \right] - \operatorname{erf}\left[\frac{y - \frac{W}{2}}{(4\, D_y^{*}\, t)^{0.5}} \right] \right) \tag{9}$$

$$Z = \left(\frac{1}{H}\right) \left\{ 1 + 2 \sum_{n=1}^{\infty} \left[\exp\left(- \frac{n^2\, \pi^2\, D_z^{*}\, t}{H^2} \right) \cos\left(\frac{n\, \pi\, z}{H} \right) \right] \right\} \tag{10}$$

$$R_f = 1 + \frac{\beta_d\, K_d}{\eta_e} \tag{11}$$

$$D^{*} = \frac{D + 190 \text{ cm}^2/\text{yr}}{R_f} \tag{12}$$

$$D = \alpha\, u_p \tag{13}$$

$$u* = u_p / R_f \tag{14}$$

$$v_d = u_p \eta_e \tag{15}$$

$$A = L W \tag{16}$$

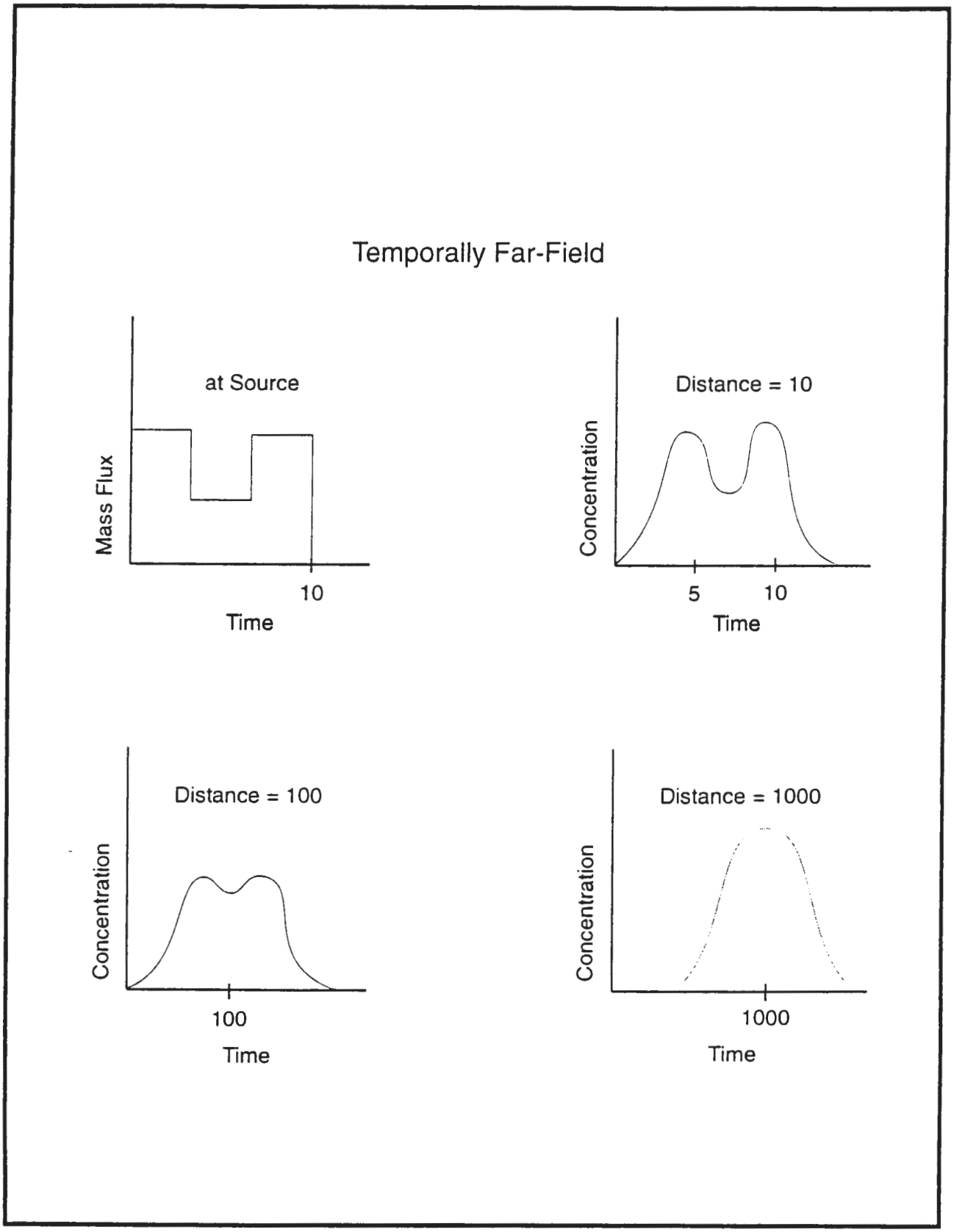
The contaminant mass flux from the waste site and the instantaneous concentration are combined through the convolution integral to provide the concentration at the receptor:

$$C(\tau) = \int_0^{\tau} Q_C(t)\ C_i(\tau - t)\ dt \tag{17}$$

where C_i is the instantaneous concentration solution to the advective-dispersive equation; δ is a mass-related constant; X, Y, and Z are Green's functions in the x, y, and z directions, respectively; R_f is the retardation factor; η_e is the effective porosity; D is the dispersion coefficient; t is the time; x is the travel distance; u_p is the pore-water velocity; λ is the decay constant; u* is the contaminant velocity; v_d is the Darcy velocity; y is the off-centerline distance; h_m is the mixing-zone thickness; 190 cm^2/yr equals molecular diffusion; α is the dispersivity in the x, y, or z direction; A is the area of the waste site; L is the length of the waste site in the groundwater flow direction; W is the width of the waste site perpendicular to the groundwater flow direction; $C(\tau)$ is the concentration at the receptor at time τ; and τ is the limit of the integral representing the current time associated with the concentration.

By inspection, Equations (8) and (9) illustrate that the length and width of the waste site are an integral part in determining the concentration at the receptor; as such, area may become an important variable for near-field problems. Spatially, far-field problems are those where an area source looks like a point source. Temporally, the convolution integral of far-field problems simplifies to the instantaneous concentration solution as presented in Equation (6). The MRA analysis of the aggregated waste sites assumed that the areas were all 929 m^2 (10,000 ft^2; 100 ft by 100 ft). To demonstrate the linearity of the system and to show that the assessment at Hanford is spatially far-field, an illustrative waste site was analyzed in the 200 East Area. A unit release rate was assumed for the waste site. The effect of waste site size on the downgradient concentration was analyzed at four different distances (Figure B3-1). Four different areas were assessed: point source, 10 m by 10 m (33 ft by 33 ft), 100 m by 100 m (328 ft by 328 ft), and 1,000 m by 1,000 m (3,280 ft by 3,280 ft). Four different distances were assessed: 10 m (33 ft); 100 m (328 ft); 1,000 m (3,280 ft); and 10,000 m (32,800 ft). As Figure B3-1 illustrates, all of the areas produce the same concentration as the point-source solution at a distance of 1 km (0.6 mi) or more from the source, clearly indicating spatially far-field conditions.

Figure B3-1. Peak Concentrations as a Function of Waste Site Area and Downgradient Distance.



Because spatially far-field conditions have been demonstrated for grid cells at least 1 km (0.6 mi) from the cells containing the aggregated waste sites, the mass (inventory) or activity at the source represents the only source-term parameter that directly affects the downgradient receptor concentrations, as illustrated by Equation (5). Because mass or activity is linear with respect to receptor concentration, the UTA is based on the unit mass of 1 kg (2.2 lb) for chemicals and the unit activity of 1 Ci for radionuclides.

B3.1.2 Pathline Analysis

Flow paths were calculated based on December 1992 flow conditions (the most current represented by the model) (Figure B3-2). It was assumed that those flow conditions remain constant for the duration of the particle tracking. Particle paths were started at elements that contain cells representing the waste sites (Figure B3-3) and tracked until they reached a model boundary. Figure B3-4 shows the location of the cells representing waste sites. The pathlines generated by the model are shown on Figure B3-5. These pathlines were then approximated to straight-line segments using an ArcINFO function that weeds coordinates in a line by finding the trend of the line and eliminating vertices that fall within the specified tolerable distance of the trend line. The weed tolerance used was 1 km (0.6 mi), which is equal to the cell size. The resulting pathlines consist of one to five straight-line segments (Figure B3-6). The points representing the vertices of the pathlines were then used in MEPAS to describe the travel paths from waste sites.

To generate pathlines for input to MEPAS, the unconfined aquifer at the Hanford Site was simulated with the two-dimensional version of the Hanford Site groundwater model (Wurstner and Devary 1993). This model consists of the Coupled Fluid, Energy, and Solute Transport (CFEST) (Gupta 1987) groundwater modeling library integrated with ArcINFO. The model is used to support work under the Groundwater Surveillance Project at the Hanford Site and has been applied to other sites as well.

B3.1.2.1 CFEST/GIS Link. The commercially available geographic information system (GIS) ArcINFO has been integrated with the CFEST groundwater modeling library (Cole 1988; Gupta 1987). A series of ArcINFO macro routines and FORTRAN utility programs have been developed to create an ArcINFO-CFEST interface. For example, an ArcINFO macro may be used to select elements that represent starting points for particle travel analyses. A FORTRAN utility program would then generate a command file used to execute the CFEST travel path module. Another ArcINFO macro has been written to create a triangular irregular network surface from CFEST output, from which contour maps can be generated. Additional ArcINFO macros for grid generation and parameter assignment are being used in support of the three-dimensional model development under the Groundwater Surveillance Project.

B3.1.2.2 Groundwater Model Description, Assumptions and Limitations. The finite-element grid used by the Hanford Site groundwater model contains 997 nodes and 904 elements. Boundary conditions for the model consist primarily of prescribed head along the Columbia and Yakima Rivers, no-flow boundaries at the bottom of the aquifer and along basalt outcrops and subcrops, and constant flux along a portion of Rattlesnake Mountain to reflect spring discharges. A prescribed head boundary was also used at the entrance of Cold Creek Valley onto the Hanford Site. Figure B3-7 shows the finite-element grid with boundary conditions. The transmissivity distribution (Figure B3-8) and initial conditions for the groundwater model were derived from the inverse calibration performed for 1979 steady-state conditions (Jacobson and Freshley 1990). A transient simulation was run for a

Figure B3-2. CFEST Simulated Hydraulic Head Contours for 1992 Flow Conditions.

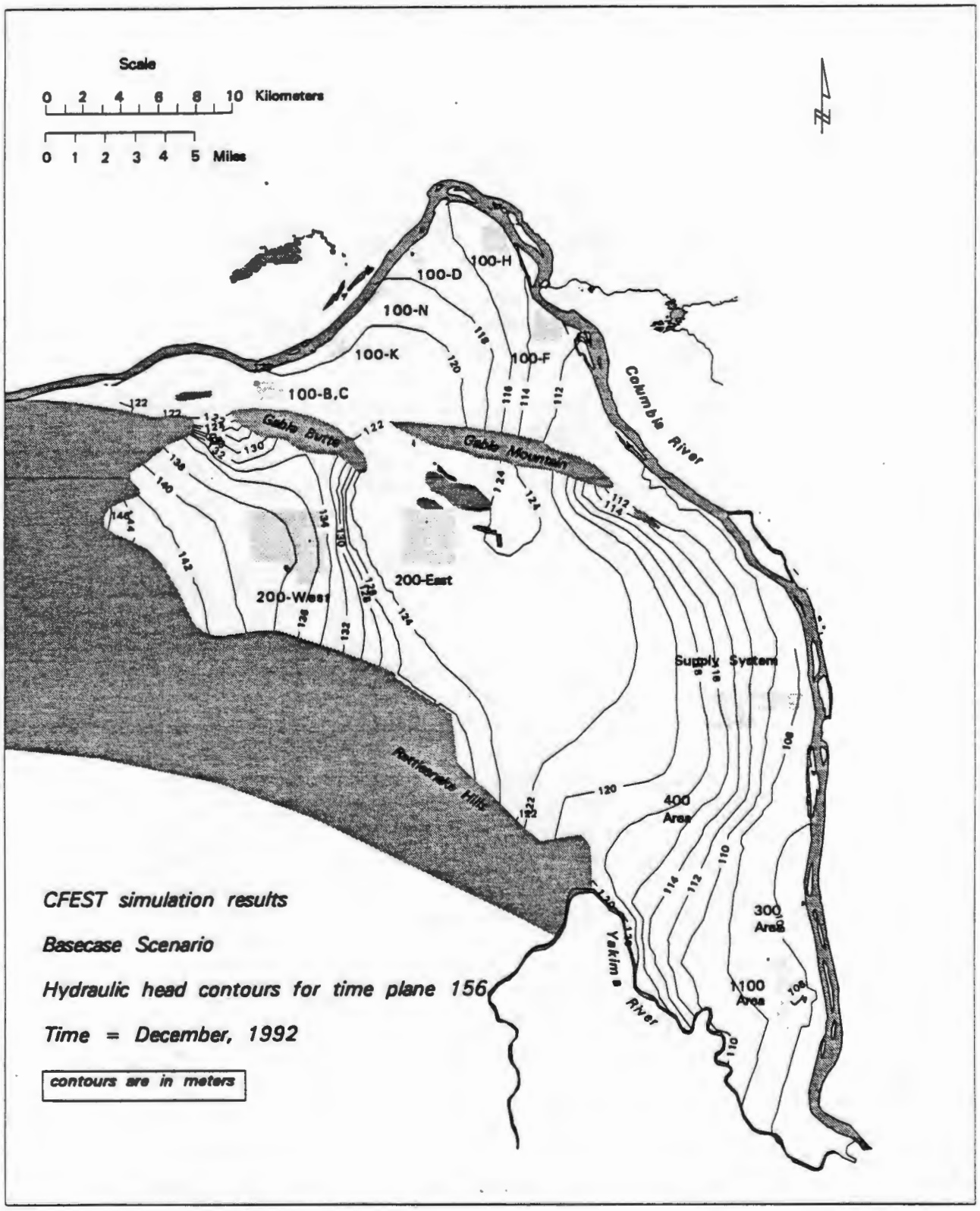


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Figure B3-3. Finite Elements Where Pathlines Started.

Figure B3-4. Finite Element Grid with Waste Cell Locations.

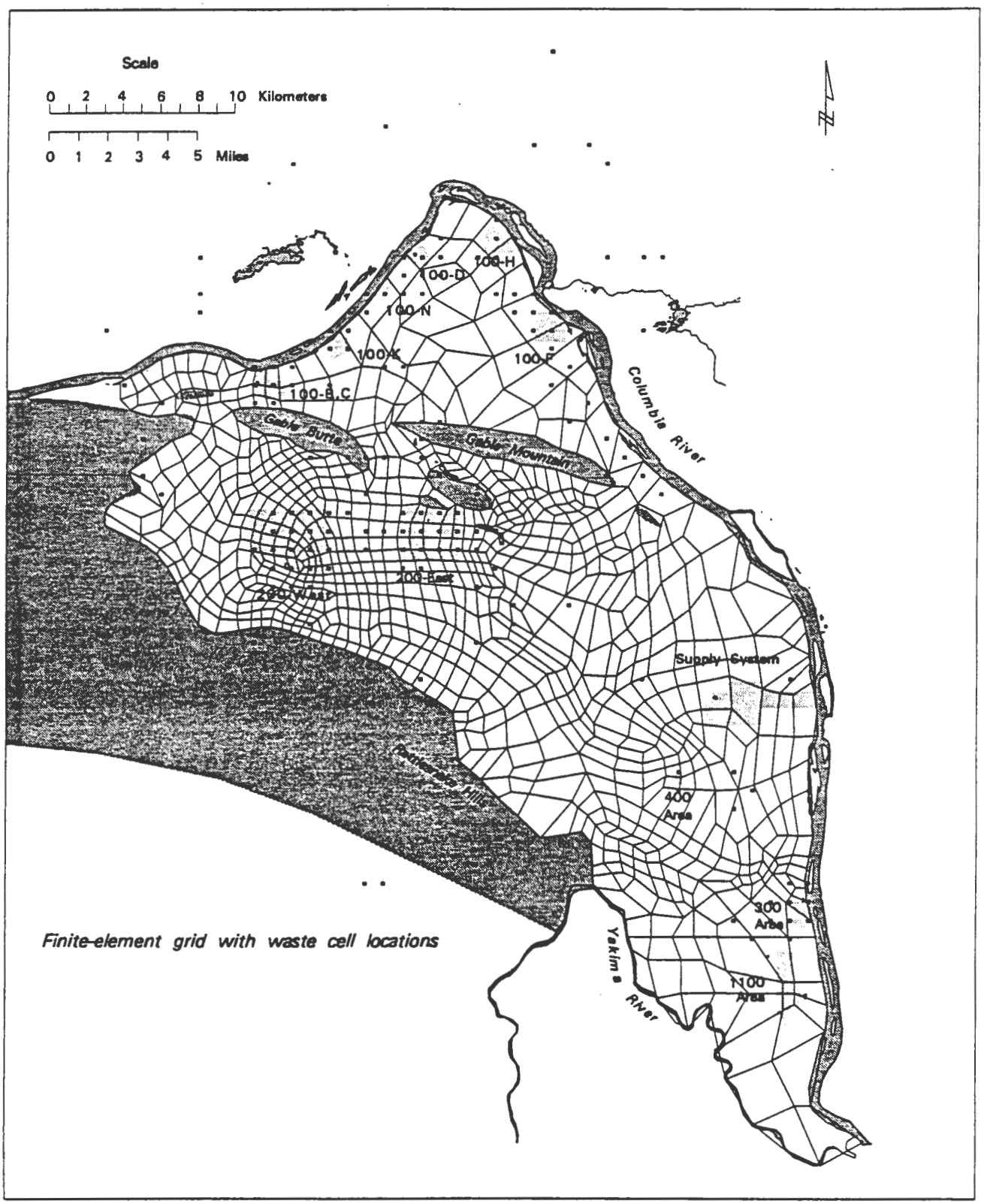

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Figure B3-5. Plume Pathlines Generated by CFEST.

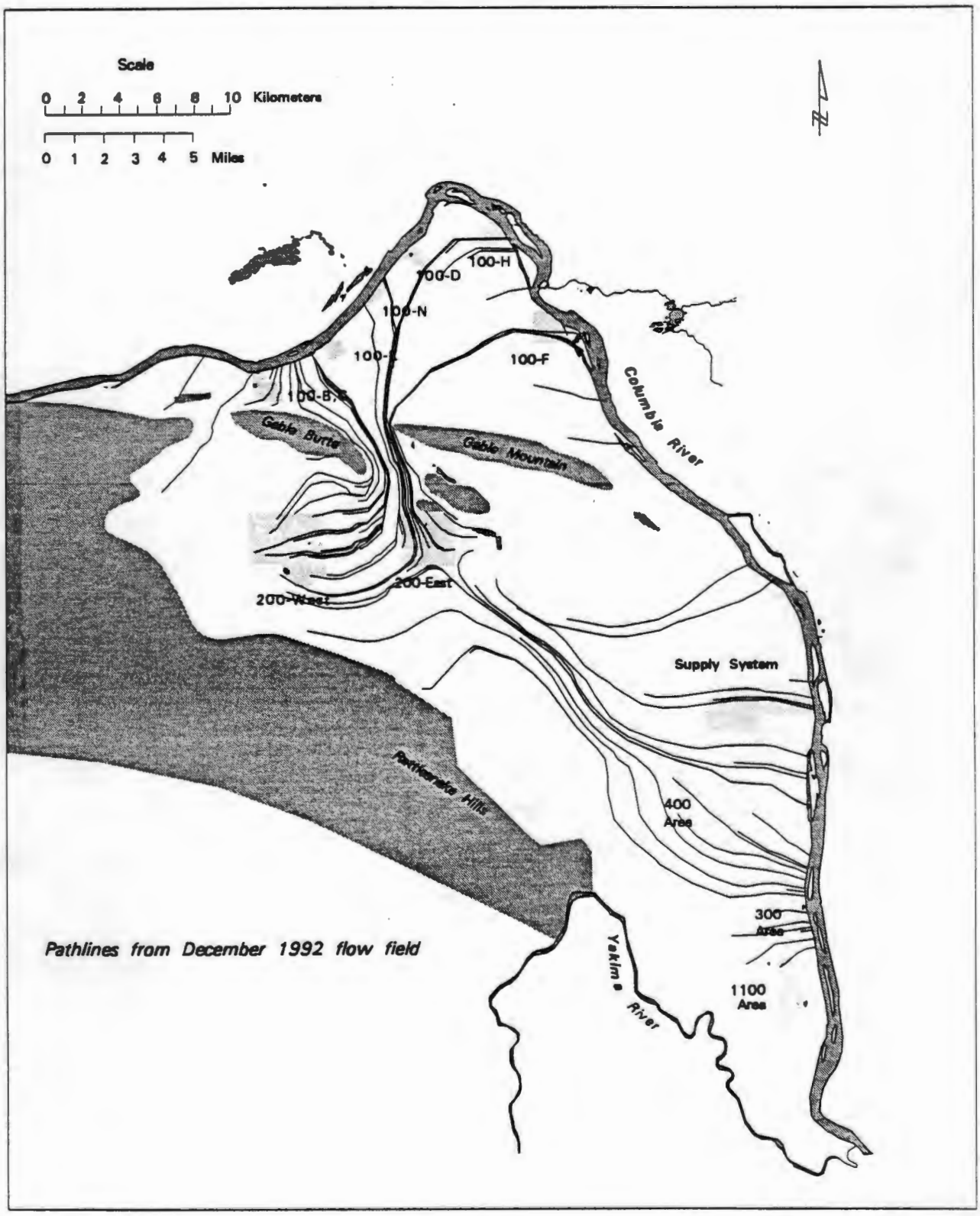

Figure B3-6. Approximated Travel Paths for Groundwater Plumes.

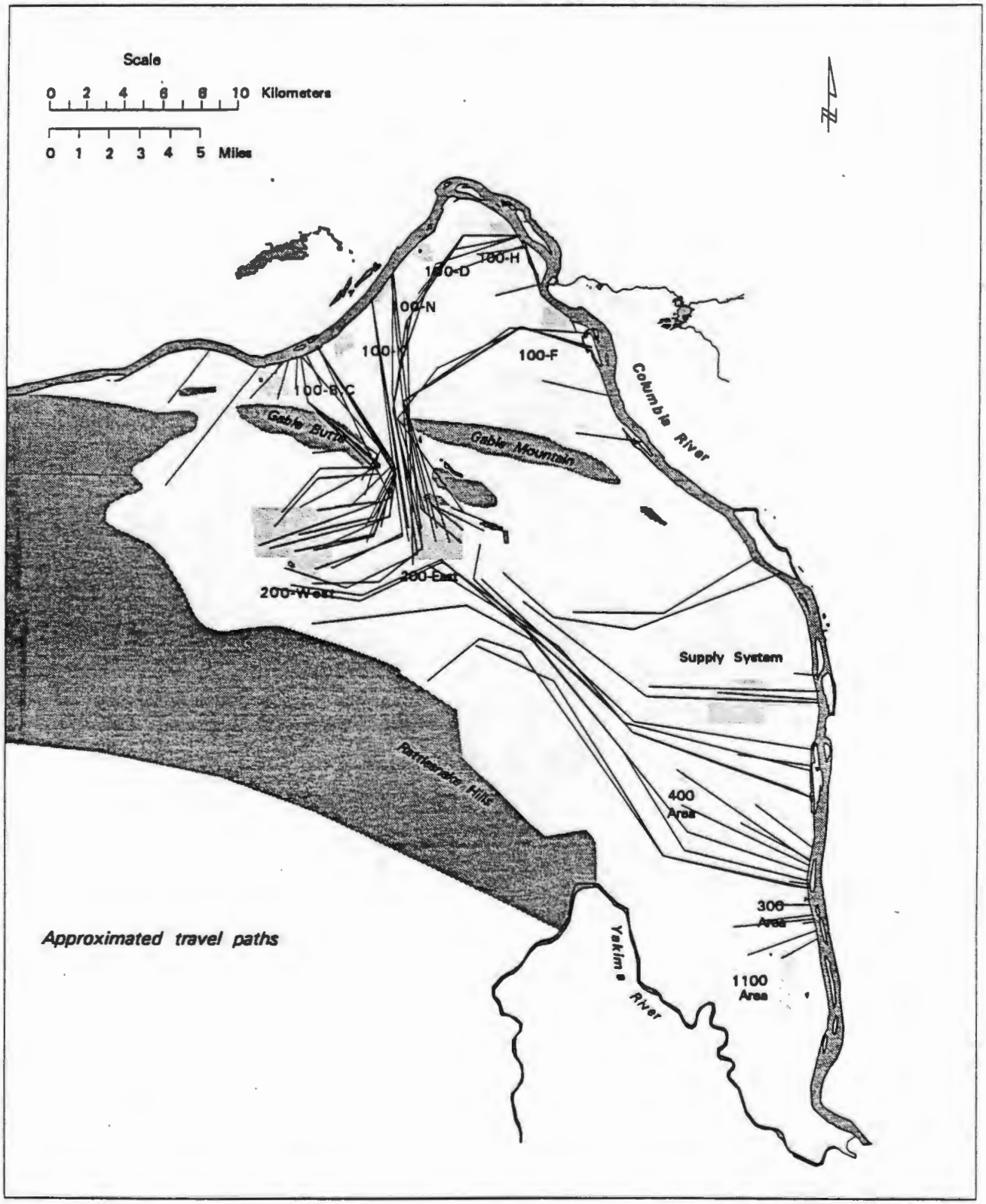

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Figure B3-7. Finite Element Grid with Boundary Conditions.

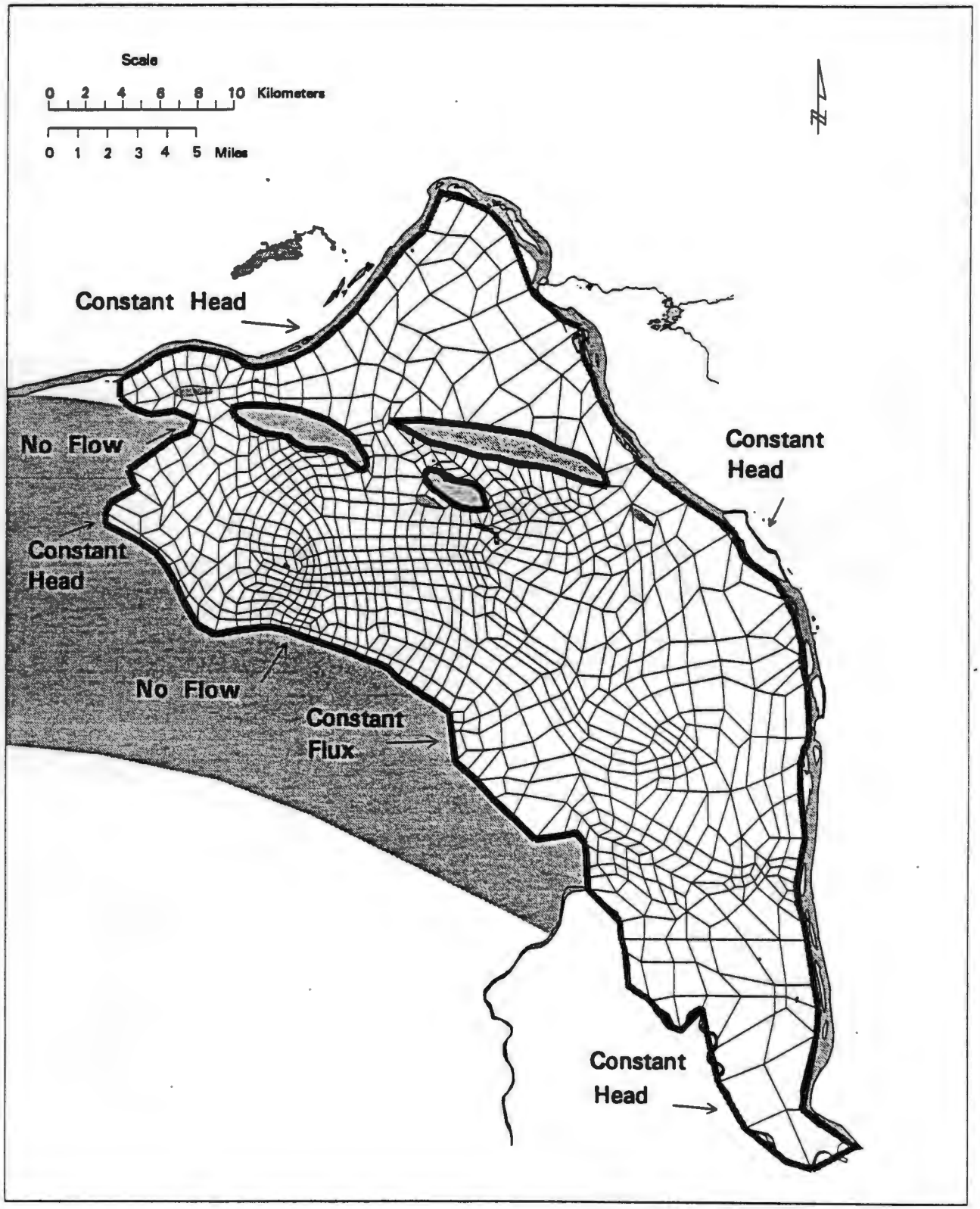
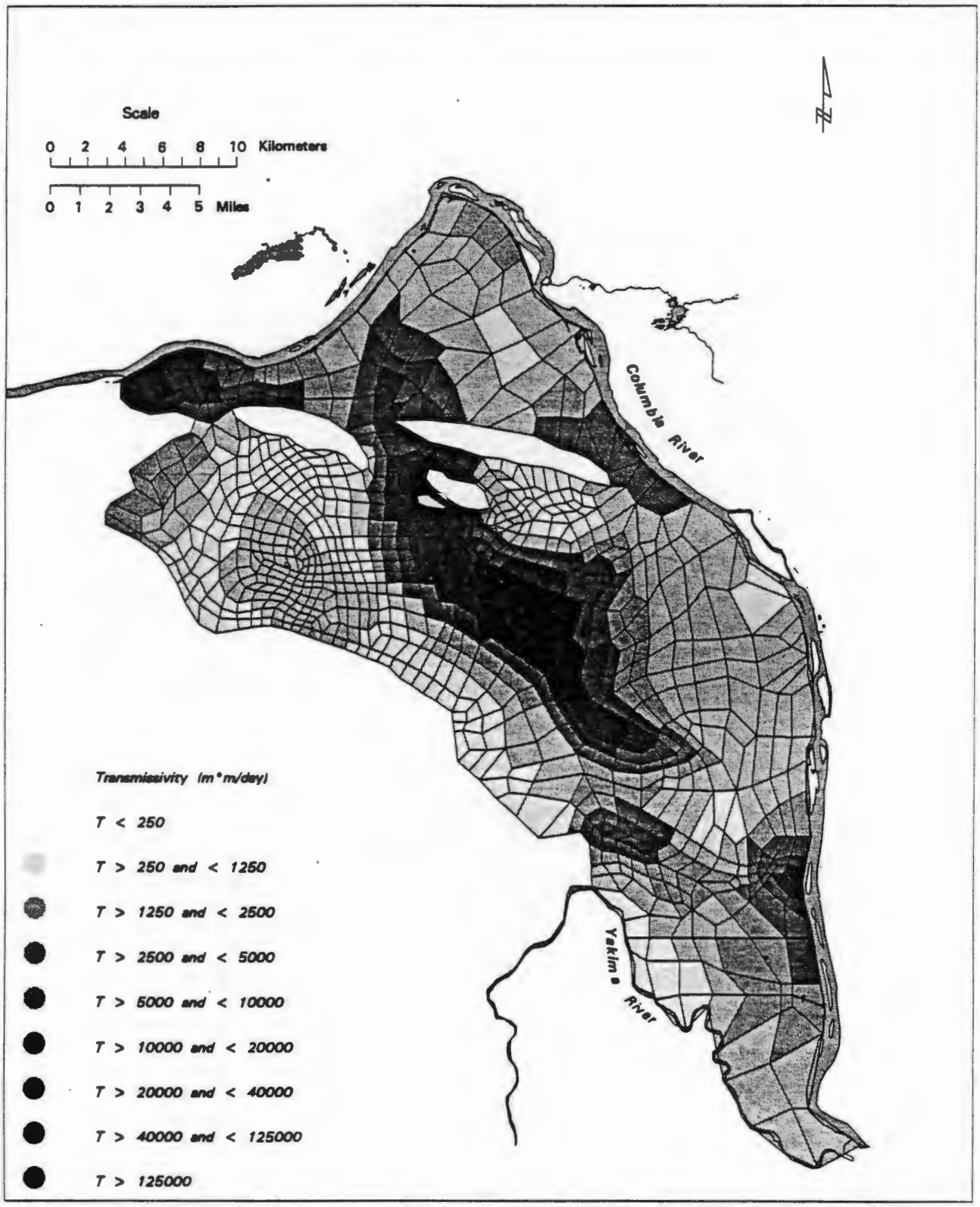


Figure B3-8. Transmissivity Distribution for the Hanford Site.



12-year period from 1980 to 1992 using a time step of 1 month. The monthly effluent discharges used for this simulation were based on Westinghouse Hanford Company effluent reports. The discharge estimates were revised based on input from staff members responsible for effluent monitoring (the Groundwater Surveillance Project maintains a database of these effluent discharges). There are relatively few measurements of storativity for the unconfined aquifer, so a constant value of 0.1 was assumed. No natural recharge was included in this simulation, although it is recognized to occur on the Hanford Site (Gee 1992). Interconnection between the unconfined aquifer and the deeper basalt aquifers is also not accounted for in the model.

There is a certain degree of uncertainty inherent in all models that comes from the assumptions made when developing and applying a model. Many assumptions are associated with the current Hanford Site regional groundwater model that may no longer be appropriate. Since development of the conceptual model, new hydrogeologic data have been collected, new interpretations have been made, and the hydrogeologic conditions and driving forces (e.g., boundary conditions) at the Hanford Site have changed. The current model was developed based on the assumption that artificial recharge from Site operations was much greater than any natural recharge from precipitation or the basalt aquifers below the unconfined aquifer system at Hanford. In the past, it was reasonable to ignore natural recharge since the flow system was dominated by effects from artificial recharge. However, artificial recharge is decreasing at the present time and is projected to decrease even more. As the flow system approaches pre-Hanford conditions, this assumption becomes invalid and it becomes crucial to include natural recharge in the model to accurately represent the water balance and the driving forces that control water movement.

Additional sources for uncertainty include the use of a constant value for specific yield and a constant "average" head value assigned to the Columbia and Yakima rivers. In addition, the hydraulic conductivity distribution used in the model is based on an averaging of properties across Hanford and Ringold formation layers into a transmissivity value for each element. The flow system response to water being released from storage in the Hanford formation, for example, would be quite different from the response observed in the Ringold sediments because of the difference in hydraulic properties. This assumption may greatly influence the results of a transient, two-dimensional simulation. In addition, the finite-elements are large in some areas, resulting in poor resolution for the solution of groundwater flow.

B3.1.3 Unit Transport Analysis Using Multimedia Environmental Pollutant Assessment System

The Multimedia Environmental Pollutant Assessment System (MEPAS) (Droppo 1989) was used in the HRA-EIS because it is the only multimedia computer model that includes all of the following elements. The Multimedia Environmental Pollutant Assessment System (1) addresses radioactive and hazardous chemical wastes; (2) provides user flexibility in describing the geology, hydrology, hydraulics, and meteorology at an installation by allowing the use of site-specific data; (3) performs on- and off-site calculations; (4) is largely based on the solutions to the advective-dispersive equations for solute transport; (5) includes the ability to model atmospheric dispersion over complex terrain, channeling of winds, fugitive dust emissions, wet and dry deposition, and gaseous and particulate releases; (6) addresses both active and inactive sites and releases; (7) allows for user- or code-specified time-varying (i.e., transient), source-term emission rates; and (8) addresses contaminated soils; ponded sites; liquid discharges; injection wells; and point, line, and area sources (Droppo 1991).

B3.2 Unit Transport Application

To assess the human health risks at Hanford, the MEPAS model was modularized to calculate spatial variations in environmental concentrations. The model was connected to the GIS to ensure that groundwater, surface water, soil, and air concentrations were supplied for every grid cell in the 80-km (50-mi) radius. The output from the application runs resulted in unit transport factors (UTF) [i.e., C_{us} in Equation (1) Appendix B5], based on an assumed unit source strength [i.e., S_u in Equation (1) Appendix B5] of 1 Ci for radionuclides and 1 kg (2.2 pounds) for chemicals. When multiple aggregated waste sites contributed to the same downgradient receptor cell, the concentrations were summed because the system is linear for each environmental medium.

The first step in computing the UTFs is to create a data set that describes the unit release from the source, the physical/chemical characteristics of the contaminants of interest, and the environmental conditions for each medium that contaminants migrate through. Parameter files were created in MEPAS for each contaminant, aggregated waste site, and environmental setting; these parameter files are a record of all data utilized for model runs. The MEPAS parameter files are automatically created when MEPAS (version 3.0g) is utilized. These data sets represent the overall Base Data Set for the Hanford Site. Figure B3-9 illustrates the process of building the Base Data Set; demonstrating how the environmental setting, contaminant library, and source-term data feed into the MEPAS model; and how the data sets are created for each of the five environmental settings.

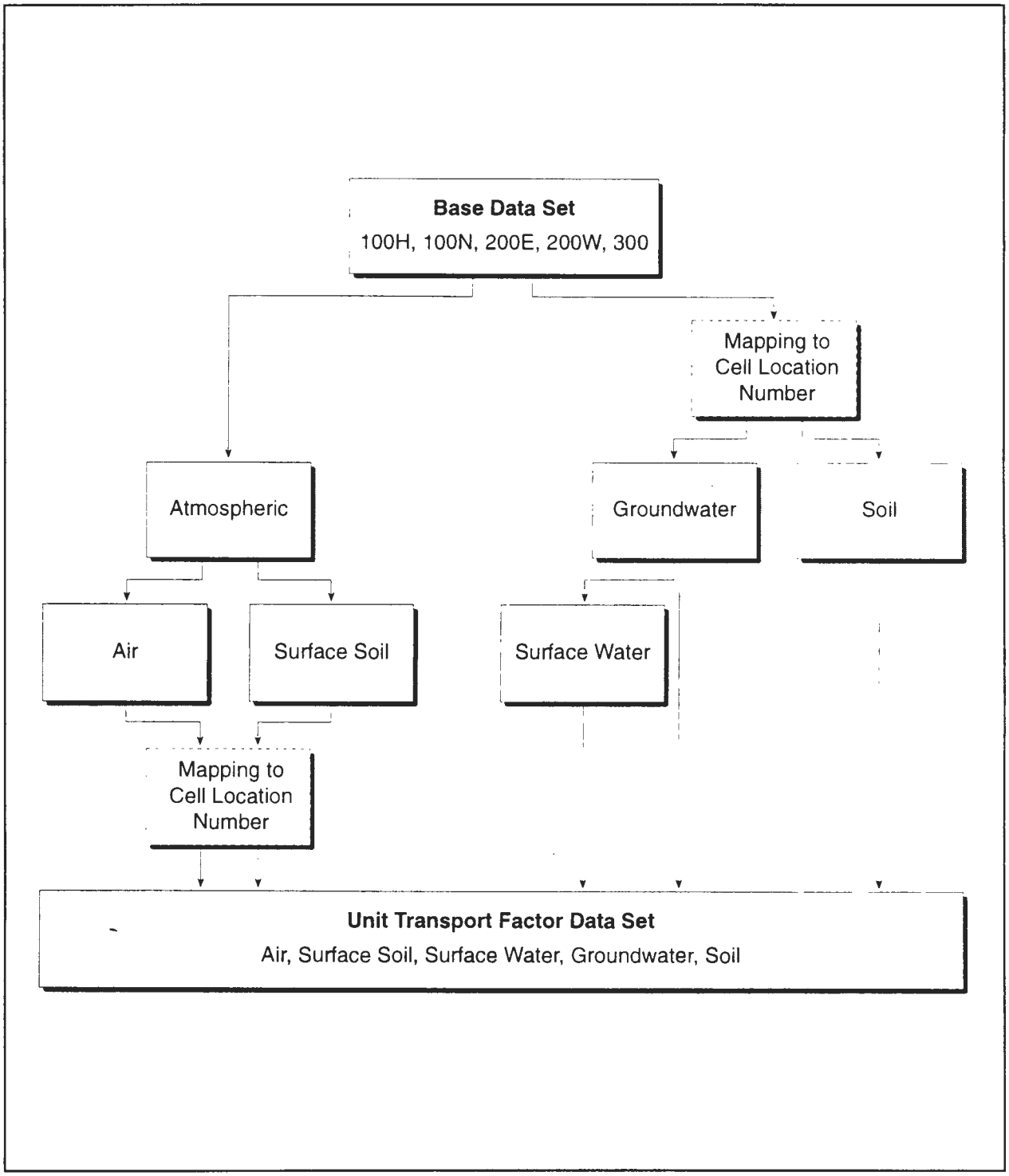
Once the Base Data Set is created, two different computational options are available, depending on the release mechanism and the environmental medium to which the contaminant is being released: (1) atmospheric releases due to volatilization or resuspension of contaminated soils, or (2) subsurface (vadose or saturated zone) or soil releases due to infiltration or leaching. Figure B3-9 includes the two computational options associated with the UTA.

B3.2.1 Atmospheric Option

When the atmospheric option is selected, air and soil concentrations are calculated for locations within an 80-km (50-mi) radius for 16 different directional sectors (i.e., N, NNE, NE, NEE, E, SEE, SE, SSE, S, SSW, SW, SWW, W, NWW, NW, and NNW) and 12 different radii from the center of the aggregated waste site; therefore, 165 sectors are populated with air and soil concentrations from the atmospheric modeling exercise. Seven wind stability types are also accounted for: three particulates, a depositing gas with surface residue, a nondepositing gas, a gas emission particle deposition, and a depositing gas with no surface residue. The polar-coordinate system describing the radial distribution of atmospheric contamination is then overlaid on the GIS cartesian system, and the sector concentrations are automatically mapped onto the corresponding and appropriate grid-cell locations. As a final result, unit concentrations are identified in each cell for air and surface soil. The mass at the source is depleted over time, and this depletion is accounted for at the source. The different locations associated with the aggregated wastes sites are also automatically accounted for when mapping the polar-coordinate results of each waste site onto the GIS cartesian-coordinate system.

For each atmospheric run, environmental setting, and contaminant, the following data were used to calculate volatilization and resuspension, starting at time zero and continuing until year 10,000 or until the contaminant inventory was zero: contaminant name, Chemical Abstract Service

Figure B3-9. Flow Diagram Illustrating the Utilization of the Base Data Set and Implementation of the Unit Transport Analysis.



identification, half-life, decay products for radionuclides, inventories/activities, toxicity type (where appropriate), stability class, volatilization rate, and suspension-emission rate. For year zero to 100, the time step was 1 year; for year 100 to 1000, the time step was 10 years; for year 1000 to 10,000, the time step was 100 years. For radionuclides, inventory decay was accounted for using Bateman's equation (Droppo 1989).

Figures B3-10, B3-11, and B3-12 illustrate the output of the atmospheric assessment prior to converting the polar-coordinate results to the GIS cartesian-coordinate system. Each figure illustrates the spatial distribution of the air concentration for 4-methyl-2-pentanone at various resolutions for time 140 years. The resolution increases from Figure B3-10 to B3-12. The radius of the outer circle on Figure B3-10 is approximately 75 km (46 mi); the outer radius on Figure B3-11 is approximately 10 km (6 mi); the outer radius on Figure B3-12 is approximately 0.6 km (0.4 mi). Each figure is coded to denote concentration levels as a function of the highest concentration presented. A bar in the upper left-hand corner of each figure shows the codes. The uppermost and darkest shading in the coding bar represents the highest unit concentration. Each successive shading decreases in concentration by a factor of two, as related to the shading above it.

B3.2.2 Subsurface/Soil Option

When the subsurface/soil option is selected, groundwater, soil, and surface water concentrations are calculated for every 1-km^2 (0.4-mi^2) grid-cell location within the Hanford Site and at locations along the Columbia River within an 80-km (50-mi) radius. Each aggregated waste site is mapped to a grid-cell location. The leaching of the contaminants through the vadose zone to groundwater is then modeled to various locations surrounding the waste site, based on the value of a contaminant's distribution coefficient (i.e., Kd, ratio of distribution of the contaminant between the soil and water phases). To conserve mass, the depletion of mass/activity in the contaminated soil from which the constituents originated is accounted for over time.

Unlike the atmospheric modeling, where the shape of the flow paths was identical for each aggregated waste site per environmental setting per constituent, the subsurface modeling (and in particular the groundwater modeling) had different flow paths for each aggregated waste site. Figure B3-6 illustrates the flow paths from the 52 grid cells that contain aggregated waste sites. Unlike other semi-analytical groundwater models that address only unidirectional flow, MEPAS 3.0 g approximates curvilinear flow, as illustrated by the pathlines on Figure B3-5. As such, each cell containing an aggregated waste site had to be modeled separately for each contaminant to each downgradient grid cell identified. Each modeled plume was then automatically overlaid on the GIS grid.

There are over 100 contaminants, 52 grid-cell locations containing aggregated waste sites, and 5 modeling time periods (i.e., years 40, 100, 140, 1000, and 10,000). These numbers represent the minimum number of runs to produce groundwater or surface water concentrations in one downgradient cell. Figure B3-13 illustrates the spatial distribution of one chemical (nitrite) from one aggregated waste site (200 East Area) for one time (year 140). As with Figures B3-10, B3-11, and B3-12, Figure B3-13 is coded to denote concentration levels as a function of the highest concentration presented. Each successive shading in the bar decreases by a factor of 10, as related to the color

Figure B3-10. Atmospheric Results for an 80-km Radius from an Aggregated Waste Site in the 200 East Area Illustrating the Spatial Distribution of the 4-Methyl-2-Pentanone (radius of the largest circle is 75 km).

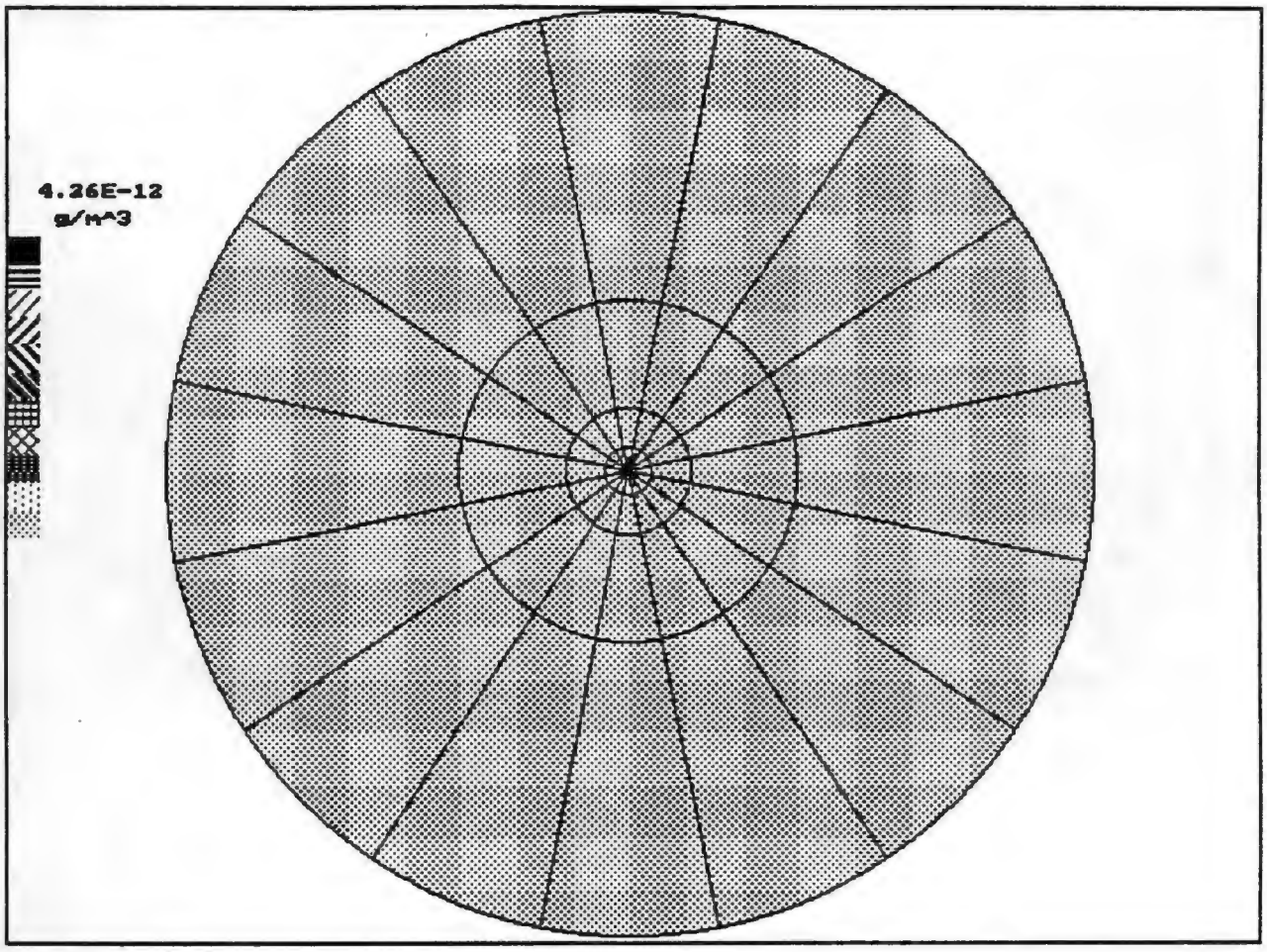
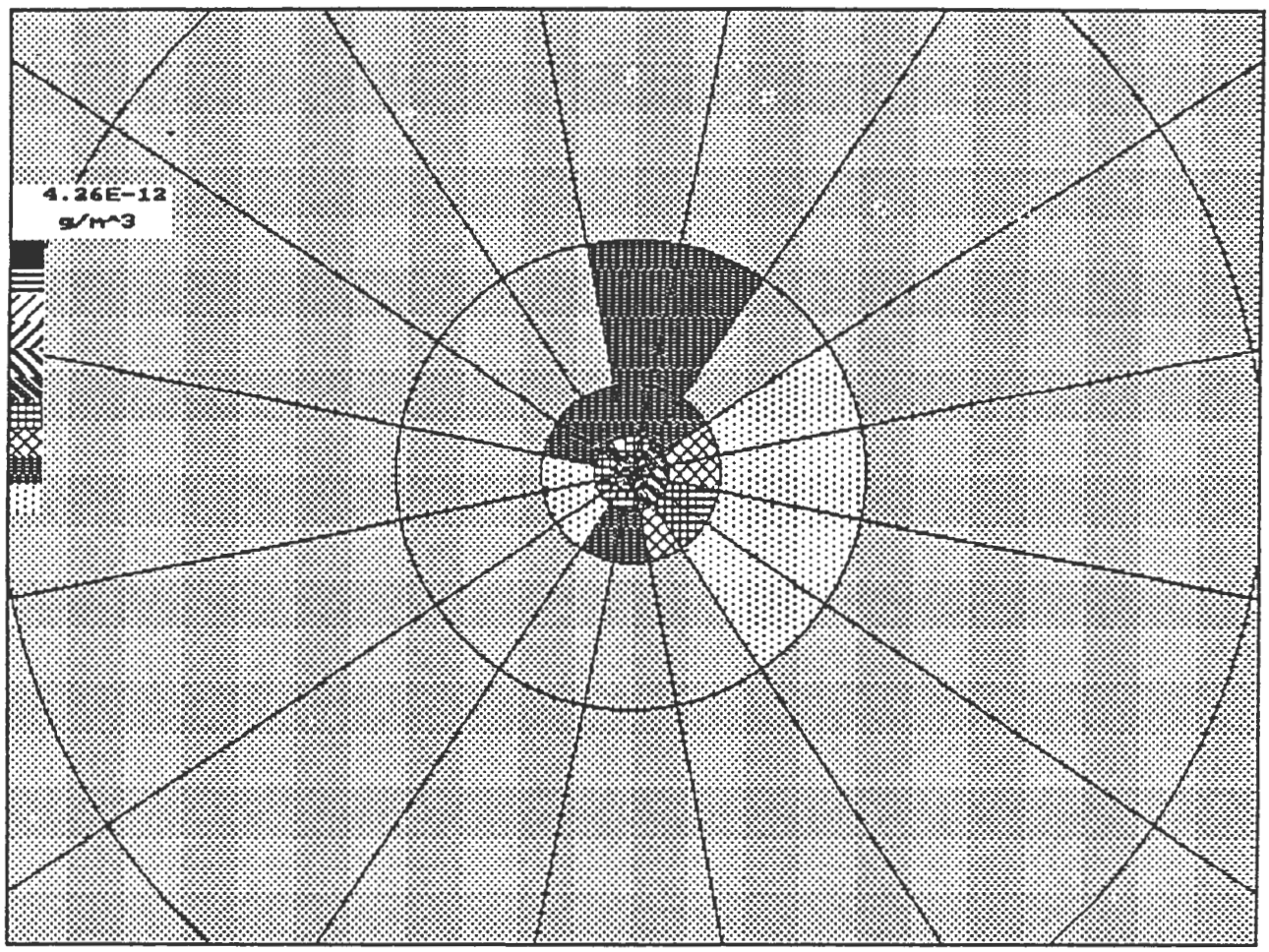


Figure B3-11. Atmospheric Results for the 12-km Radius from an Aggregated Waste Site in the 200 East Area Illustrating the Spatial Distribution of the 4-Methyl-2-Pentanone (radius of the largest circle is 10.2 km).



9613459.2318

Figure B3-12. Atmospheric Results for the 12-km Radius from an Aggregated Waste Site in the 200 East Area Illustrating the Spatial Distribution of the 4-Methyl-2-Pentanone (radius of the largest circle is 0.6 km).

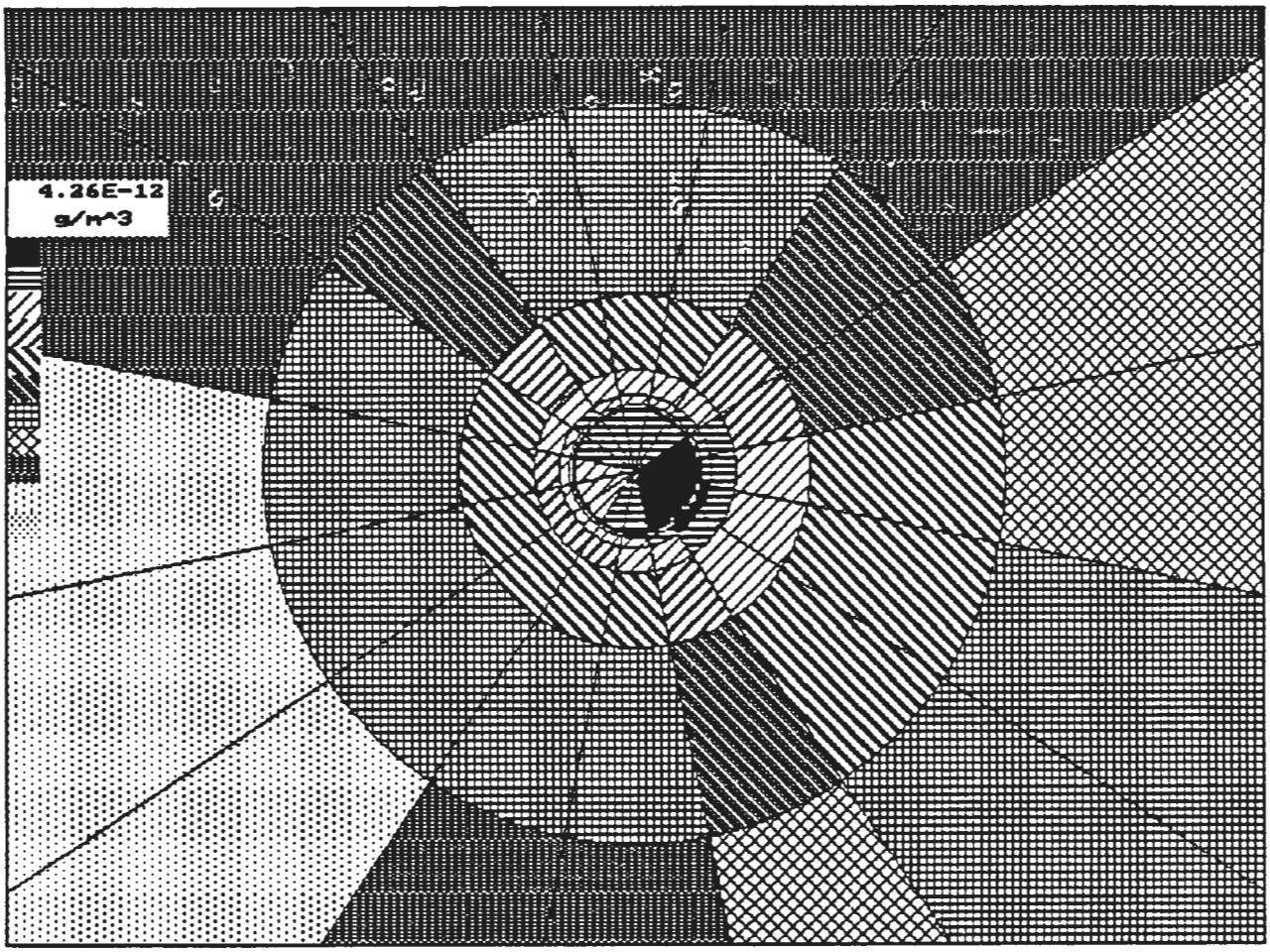
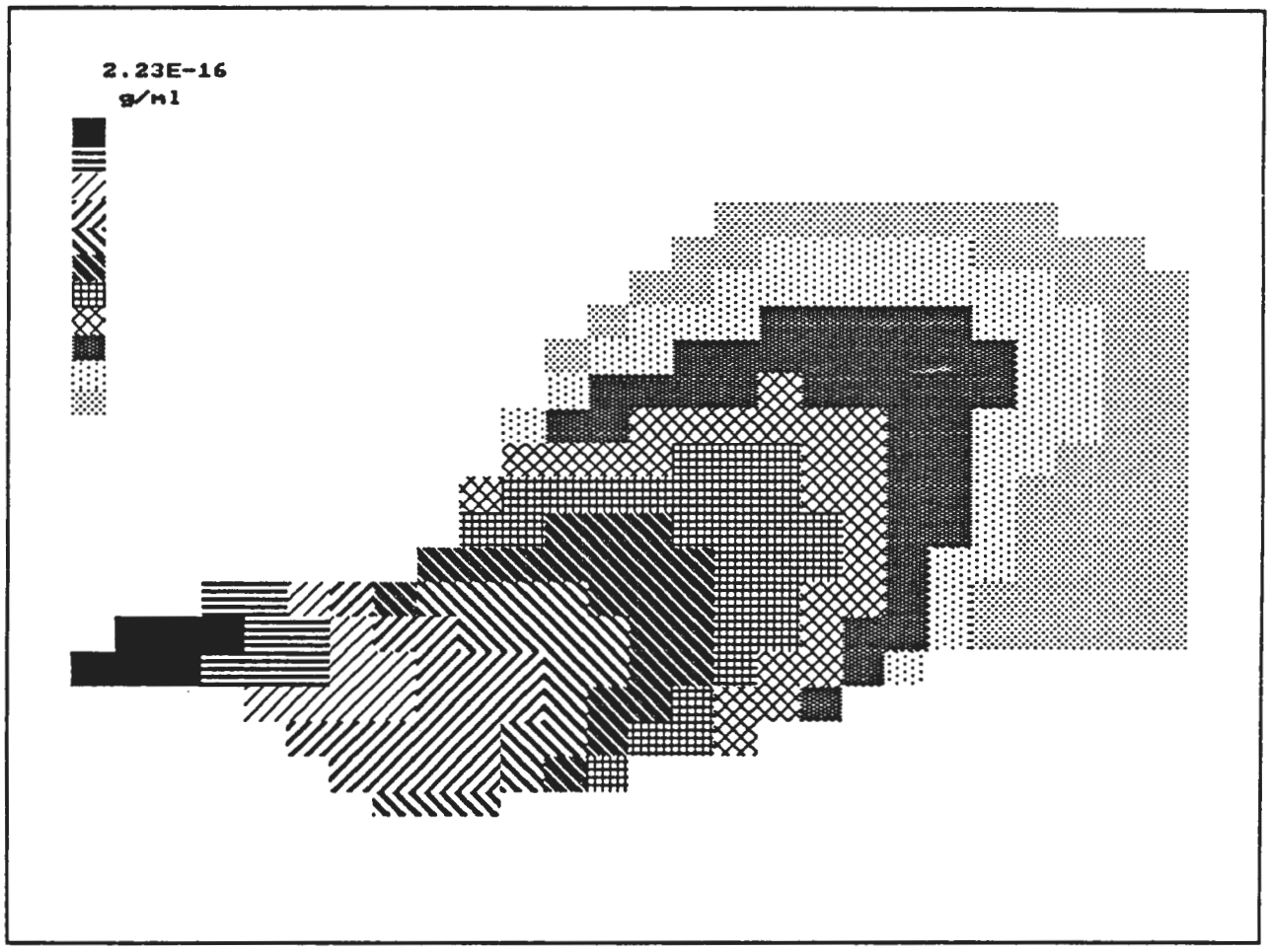


Figure B3-13. Two-dimensional Spatial Distribution of Nitrite from an Aggregated Waste Site in the 200 Area after 140 Years.



above it. Similar plumes were generated for every (1) contaminant, (2) aggregated waste site, (3) time period, and (4) source-term type (i.e., ponded liquid waste and contaminated soils). When multiple plumes from different sources intersect the same downgradient grid-cell location, the unit concentrations are summed to produce one (i.e., combined) groundwater concentration for that grid cell.

B3.2.3 Contaminant Arrival Time at the Columbia River

Although spatially distributed risks associated with six different time periods were analyzed, additional modeling is required to determine if the bulk of the contaminant mass has already passed through the environmental system, i.e., passed through the 80-km (50-mi) radius, or whether the main body of contamination is still in the system. Two contaminant characteristics greatly influence the mobility and availability of the constituents in the environment: K_d and contaminant half-life. The distribution coefficient significantly influences the mobility of the contaminant in the subsurface system. The effects of K_d are mathematically described by Equations (13), (14), and (16). The higher the K_d, the longer the travel times. The half-life is also important. If the half-life is small, then the contaminant can decay away prior to reaching the receptor. As such, there is an important relationship between travel time (i.e., K_d) and half-life. Contaminant travel time is a function of the K_d and half-life, characteristics of the environmental setting, and location of the environmental setting as it relates to the Columbia River. Upon entering the Columbia River, this contaminant would move quickly out of the 80-km (50-mi) radius. Therefore, it would be very valuable to know when the peak concentration reaches the Columbia River.

This analysis was performed to 10,000 years. All five environmental settings were analyzed (i.e., 200 West, 200 East, 100-N, 100-H, and 300 Areas); the results of the assessment are presented in Tables B3-1 through B3-5. These tables present the travel time of the peak concentration from the source (in the vadose zone) to the Columbia River as a function of K_d and half-life. The average flow distances from the 200 West, 200 East, 100-N, 100-H, and 300 Areas to the Columbia River were assumed as 21 km (13 mi), 18 km (11 mi), 1.6 km (1.0 mi), 1.1 km (0.7 mi), and 2.2 km (1.4 mi), respectively.

B3.3 Environmental Setting Assumptions

The environmental setting information consists of the site-specific data required to model (using MEPAS) the atmospheric, groundwater, and surface water transport of contaminants within and near the boundaries of the Hanford Site. The environmental settings data describe the climate, atmospheric dispersion, hydrogeology, and surface water characteristics of the Site (Schramke 1994). The number of environmental settings developed for the Hanford Site was the fewest that could provide accurate results when used in the risk assessment modeling. To capture the regional heterogeneity associated with the Hanford Site, Schramke (1994) have divided Hanford into one climatic setting, two atmospheric dispersion settings, seven major hydrogeologic settings, and one river setting (i.e., Columbia River).

Table B3-1. Distribution Coefficient Versus Half-life Versus Arrival Time for the 200 West Area.

K_d per Layer (in mL/g)	Contaminant Half-Life (yr)		
	0.1	100	10,000
0-0-0-0-0-0*	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 776.	The peak arrives at year 825.
0-1-0-1-0-0	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 3216.	The peak arrives at year 2851.
2-2-2-2-2-2	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 9022.	The contaminants are still moving toward the Columbia River and peak would reach the river after 10,000 years.
2-4-2-4-2-2	The contaminants never reach the Columbia River due to a short half-life.	The contaminants never reach the Columbia River due to a short half-life.	The contaminants are still moving toward the Columbia River and peak would reach the river after 10,000 years.
5-10-5-10-5-5	The contaminants never reach the Columbia River due to a short half-life.	The contaminants never reach the Columbia River due to a short half-life.	The contaminants are still moving toward the Columbia River and peak would reach the river after 10,000 years.
15-30-15-30-15-15	The contaminants never reach the Columbia River due to a short half-life.	The contaminants never reach the Columbia River due to a short half-life.	The contaminants are still moving toward the Columbia River and peak would reach the river after 10,000 years.

*The 200 West Area environmental setting contains five vadose zones and one saturated zone. The first five numbers in the series represent the assigned K_d values for each successive vadose zone layer; the last value represents the K_d for the saturated zone.

Table B3-2. Distribution Coefficient Versus Half-life Versus Arrival Time for the 200 East Area.

K_d per Layer (in mL/g)	Contaminant Half-Life (yr)		
	0.1	100	10,000
0-0-0-0*	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 682.	The peak arrives at year 728.
1-1-1-1	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 5308.	The peak arrives at year 7292.
5-5-5-5	The contaminants never reach the Columbia River due to a short half-life.	The contaminants never reach the Columbia River due to a short half-life.	The contaminants are still moving toward the Columbia River and peak would reach the river after 10,000 years.
15-15-15-15	The contaminants never reach the Columbia River due to a short half-life.	The contaminants never reach the Columbia River due to a short half-life.	The contaminants are still moving toward the Columbia River and peak would reach the river after 10,000 years.

*The 200 East Area environmental setting contains three vadose zones and one saturated zone. The first three numbers in the series represent the assigned K_d values for each successive vadose zone layer; the last value represents the K_d for the saturated zone.

Table B3-3. Distribution Coefficient Versus Half-life Versus Arrival Time for the 100-N Area.

K_d per Layer (in mL/g)	Contaminant Half-Life (yr)		
	0.1	100	10,000
0-0-0*	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 92.	The peak arrives at year 95.
2.5-5-2.5	The contaminants never reach the Columbia River due to a short half-life.	This case was not modeled.	The peak arrives at year 6000.
5-10-5	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 4356.	The contaminants are still moving toward the Columbia River and peak would reach the river after 10,000 years.
10-20-10	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 6894.	The contaminants are still moving toward the Columbia River and peak would reach the river after 10,000 years.
15-30-15	The contaminants never reach the Columbia River due to a short half-life.	The contaminants never reach the Columbia River due to a short half-life.	The contaminants are still moving toward the Columbia River and peak would reach the river after 10,000 years.

*The 100-N Area environmental setting contains two vadose zones and one saturated zone. The first two numbers in the series represent the assigned K_d values for each successive vadose zone layer; the last value represents the K_d for the saturated zone.

Table B3-4. Distribution Coefficient Versus Half-life Versus Arrival Time for the 100-H Area.

K_d per Layer (in mL/g)	Contaminant Half-Life (yr)		
	0.1	100	10,000
0-0*	The contaminants never reach the Columbia River due to a short half-life.	The contaminants have already reached the Columbia River.	The contaminants have already reached the Columbia River.
5-5	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 1550.	The peak arrives at year 3250.
15-15	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 2827.	The peak arrives at year 9000.

*The 100-N Area environmental setting contains one vadose zone and one saturated zone. The first number in the series represents the assigned K_d values for the vadose zone layer; the last value represents the K_d for the saturated zone.

Table B3-5. Distribution Coefficient Versus Half-life Versus Arrival Time for the 300 Area.

K_d per Layer (in mL/g)	Contaminant Half-Life (yr)		
	0.1	100	10,000
0-0*	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 43.	The peak arrives at year 43.
5-5	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 2412.	The peak arrives at year 5251.
10-10	The contaminants never reach the Columbia River due to a short half-life.	This case was not modeled.	The contaminants are still moving toward the Columbia River and peak would reach the river after 10,000 years.
15-15	The contaminants never reach the Columbia River due to a short half-life.	The peak arrives at year 4470.	The contaminants are still moving toward the Columbia River and peak would reach the river after 10,000 years.

*The 300 Area environmental setting contains one vadose zone and one saturated zone. The first number in the series represents the assigned K_d value for the vadose zone layer; the last value represents the K_d for the saturated zone.

Criteria used to establish the hydrogeological settings included the characteristics of the Hanford formation, the location of the water table (in the Ringold Formation or the Hanford formation), and the number of distinct hydrogeological units that had been described for various locations on the Hanford Site. For each of these settings, a single set of hydrogeological input parameters was selected. The hydrogeological input parameters are representative of the specific areas where waste sites occur within the settings.

This section discusses the following environmental settings: climatologic and atmospheric, hydrogeologic, and surface water. Because contaminant mobility is a function of the hydrogeologic environmental setting and the distribution coefficient assigned to each contaminant, a discussion is presented on the distribution coefficients that were assigned to certain contaminants of concern.

B3.3.1 Climatologic and Atmospheric Settings[1]

The Hanford Site has a mid-latitude (≈46°), semiarid climate. The climate is strongly influenced by the Cascade Range, which limits much of the maritime influence of the Pacific Ocean, resulting in a much lower rate of precipitation than would normally occur if the mountains were not present. The Rocky Mountains (far to the north and east) also influence the climate of the region by protecting it from the more severe winter storms and extreme temperature swings associated with modified arctic air masses that move southward from Canada.

Continuous hourly observations have been conducted at the Hanford Meteorology Station since 1944. Currently, 28 automated meteorological monitoring stations operate within and near the Hanford Site. Average annual precipitation at Hanford is 16 cm (6.3 in.), with more than 40% of the annual precipitation occurring between November and January. The average annual snowfall is 33 cm (13 in.). The average annual temperature at Hanford is 12°C (53°F) with a daily average high temperature of 3°C (37°F) in January and 33°C (92°F) in July. Daily average low temperatures are -6°C (22°F) in January and 16°C (61°F) in July.

Winds at Hanford are strongly influenced by their proximity to local terrain features; as such, two atmospheric setting have been defined: 200 Areas and 300/400 areas. Because of the influence of Rattlesnake Hills, the prevailing wind direction in the 200 Areas is from the northwest with an average velocity of 3.4 m/s (7.7 mi/hr). In the 300 and 400 areas, the prevailing wind direction is from the southwest. For more information on climatologic and atmospheric conditions at the Hanford Site (e.g., wind rose, joint frequency distributions), refer to Schramke (1994) and Stone (1983).

B3.3.2 Hydrogeologic Environmental Settings[2]

The Hanford Site is located within the Pasco Basin, a structural depression on the Columbia Plateau. The geology of the area is described in detail in Schramke (1994), Thorne and Chamness (1992), and Tallman (1979). The principal surface water features at Hanford are the Columbia River, north and east, and the Yakima River, south of the Site, respectively. Small amounts of local surface recharge occur from precipitation and through small ephemeral streams to the west of the area.

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[1]Paraphrased from Schramke (1994) and Stone(1993).

[2]This section has been paraphrased from Schramke (1994).

Although infiltration amounts have ranged up to 10 cm/yr (3.9 in./yr) (Whelan 1989), 1 to 2 cm/yr is not unrealistic (depending on weather conditions), and most precipitation is returned to the atmosphere through evapotranspiration (Bjornstad 1990). Local recharge makes its way through the vadose zone to the water table. The unconfined aquifer at Hanford occurs primarily within the Hanford formation and Ringold Formation. Prior to operational disposal of waste waters, the unconfined aquifer was almost entirely in the less transmissive Ringold Formation; however, wastewater disposal in the 200 Areas has created a groundwater mound, and the water is now moving through the more transmissive Hanford formation (Thorne and Newcomer 1992). Because the wastewater disposal facilities have shut down, the water table is declining and estimates of groundwater travel times and directions based on 1992 water surface elevations are expected to be conservative. Figure B3-2 presents the spatial distribution of hydraulic head contours in the aquifer beneath the Hanford Site during December 1992. Figure B3-5 presents the pathlines for the aquifer conditions during December 1992.

Distribution coefficients were obtained from Hanford documents. When the coefficients were not derived from previous site modeling, they were tested by analytical simulation of relatively simple and well defined Hanford plumes. If the tested distribution coefficients from Hanford documents were not consistent with analytical modeling results, a compatible distribution coefficient was selected. The distribution coefficients selected for the HRA-EIS modeling are presented in Table B3-6.

Table B3-6. Estimated Distribution Coefficients for Groundwater Contaminant Transport Modeling.

Contaminant	Distribution coefficient (mL/g)
Americium-241	6
Antimony-125	0
Cesium-137	51
Cobalt-60	0
Iodine-129	0
Plutonium	20
Strontium-90	24.5
Technetium-99	0
Tritium	0
Uranium-238	2
Arsenic	0
Chromium	0
Fluoride	0
Nitrate	0
Carbon Tetrachloride	0.04
Chloroform	0.02
Cyanide	0.1
Cis-dichloroethylene	0.44
Trichloroethylene	0.44

The seven hydrogeologic settings are illustrated on Figure B3-14. Each is comprised of an overburden soil layer (i.e., top-soil layer), a vadose zone, and a saturated zone. Each setting has been divided into several vadose zone layers. The 300, 200 West, 200 East, 100-H, and 100-N Areas contain one, five, three, one, and two vadose zone layers, respectively. Figure B3-15 presents the hydrostratigraphy of the seven settings. Of the seven settings, only five contain significant past-practice waste sites (i.e., 200 East, 200 West, 100-N, 100-H, and 300 Areas); these five are associated with the UTA. Criteria used to establish the settings included the hydrogeologic characteristics of the Hanford formation, location of the water table, and number of hydrogeologic units that have been described for various locations beneath the Hanford Site. For each of these settings, a single set of hydrogeologic input parameters was selected. The hydrogeologic input parameters are representative of the specific areas where the waste sites occur within the settings.

A summation of the characteristics of each environmental setting is presented in Tables B3-7 through B3-21. They show the infiltration rates, vadose zone parameters, and saturated zone parameters.

B3.3.3 Surface Water Environmental Setting

The Columbia River has also been divided into three reaches within the 80-km (50-mi) radius from the center of the Hanford Site. Each reach corresponds to a location where a major tributary enters the river. The first reach corresponds to the free-flowing Hanford Reach at median flow; its median discharge is 2,905 cms (102,600 cfs), based on 27 years of records (Whelan 1987a). The second reach corresponds to the confluence of the Yakima and Columbia Rivers. The mean discharge of the Yakima River is 104 cms (3,673 cfs), based on 57 years of records (DOE 1994), while the combined discharge is 3,009 cms (106,270 cfs) (Whelan 1987a; DOE 1994; Evergreen Publishing 1992). The third reach corresponds to the confluence of the Snake and Columbia Rivers. The mean discharge of the Snake River is 1,530 cms (54,100 cfs), based on 35 years of records (Ruppert[3]), while the combined discharge is 4,541 cms (160,400 cfs) (Whelan 1987a; Evergreen Publishing 1992; Ruppert[3]). A summary of the Columbia River discharges, widths, depths, and flow velocities for each of the three reaches is reported in Table B3-22.

B3.3.4 Soil

The hydrogeological setting information represents the partially saturated and saturated zones. For partially saturated zones, this information includes layer thickness, soil type (i.e., percent sand, silt, and clay), bulk density, total porosity, field capacity, saturated hydraulic conductivity, and longitudinal dispersivity. For saturated zones, this information includes layer thickness, soil type, and bulk density total.

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[3]Ruppert, G., 1994. Telephone conversation with Mr. Greg Ruppert on April 27, 1994, based on U.S. Geological Survey water-discharge records.

Figure B3-14. Hanford Site Environmental Settings.

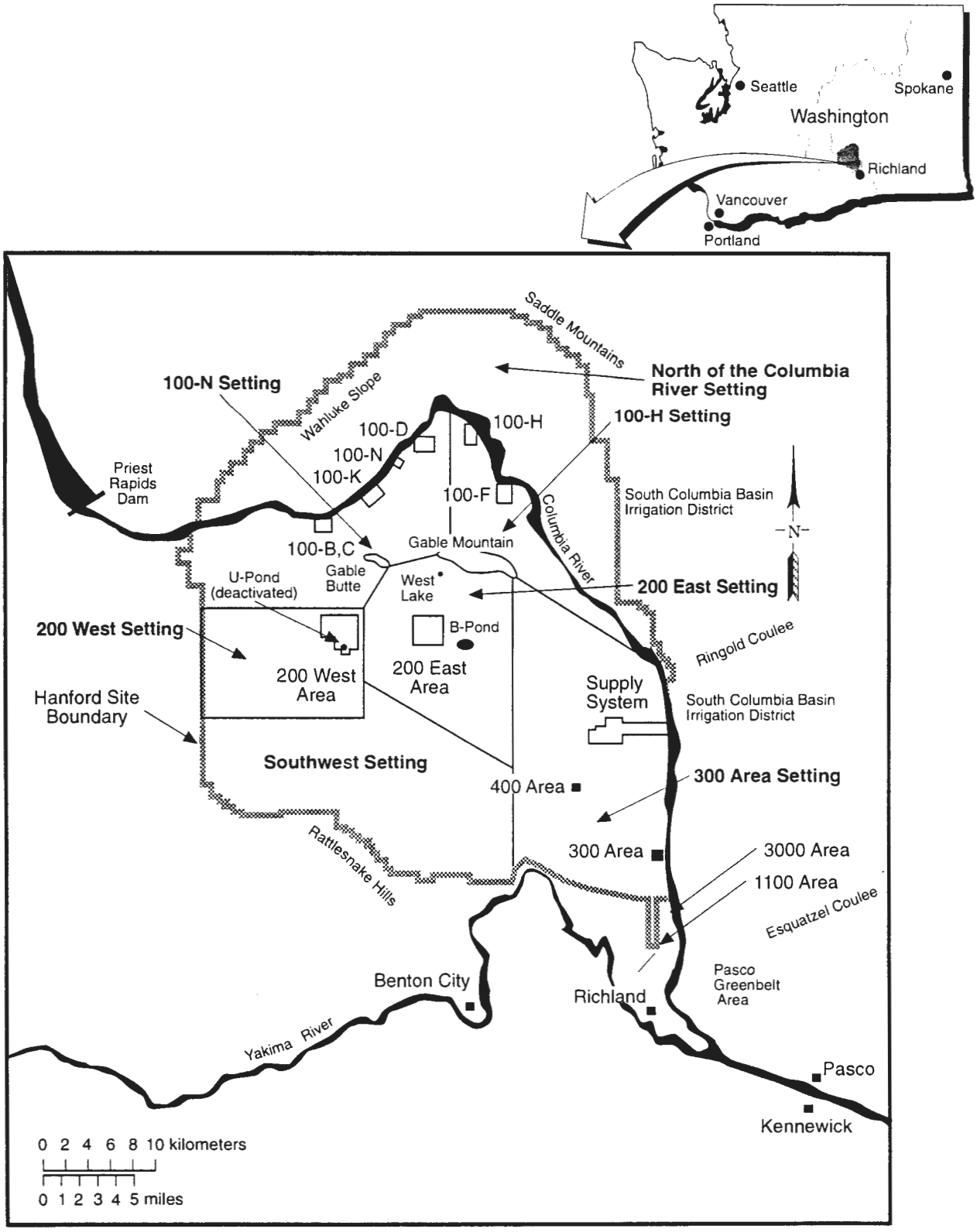


Figure B3-15. Hydrostratigraphy of Hanford's Environmental Settings.

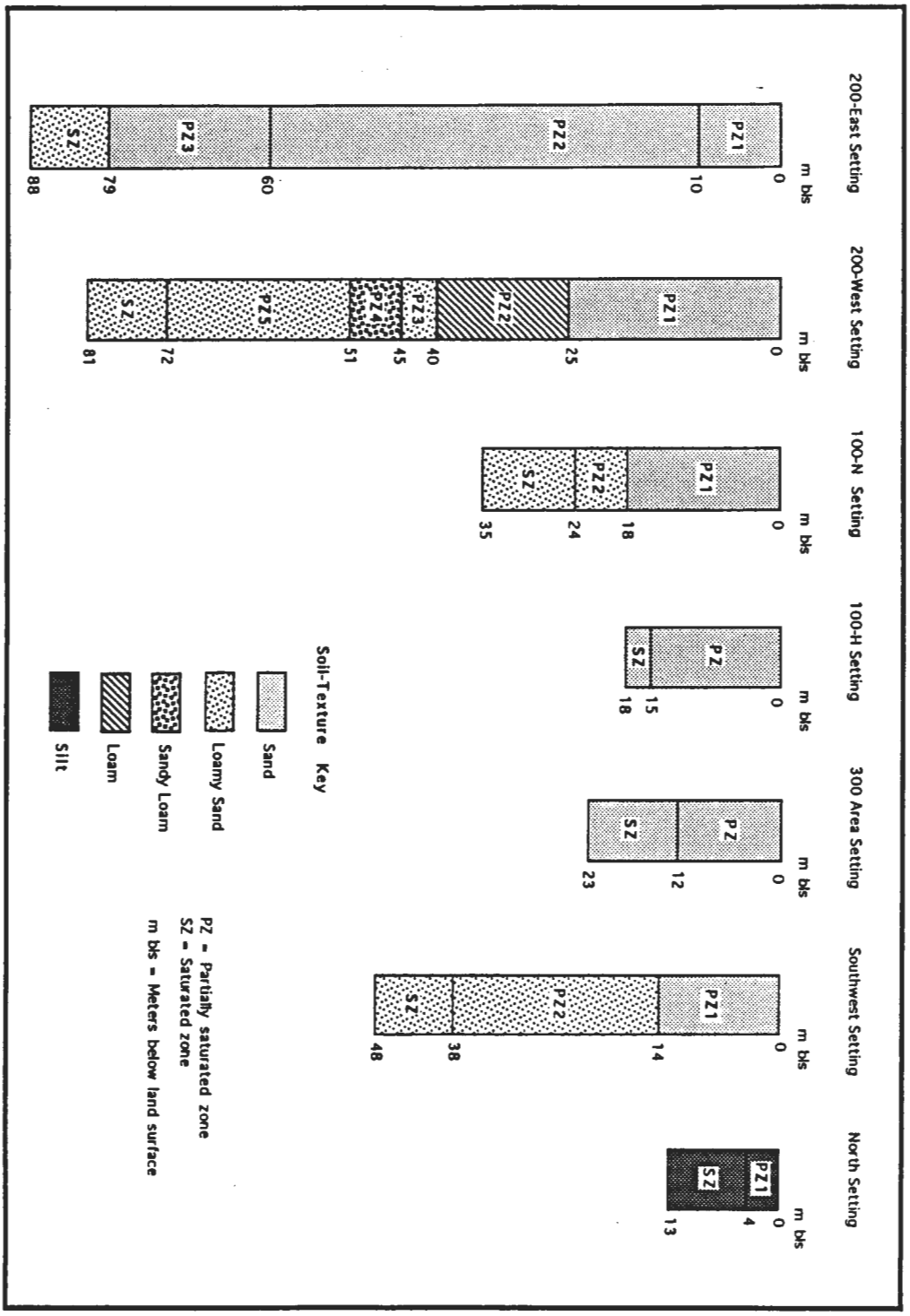


Table B3-7. Source Term Parameter Values Used for 100-N Area.

MEPAS Parameter	Parameter	Value	Reference
WS-LEACHV	Waste liquid infiltration rate (ft/d)	1.6 E-04	MEPAS*

*Calculated from MEPAS analysis.

Table B3-8. Partially Saturated Zone (PSZ) Parameter Values Used for 100-N Area.

MEPAS Parameter	Parameter	Parameter Values		Reference
		PSZ 1 of 2 layers	PSZ 2 of 2 layers	
WP-CLASS	Soil classification in PSZ	Sand	Loamy sand	Short and Smith 1994
WP-SAND	% sand in PSZ	90	87	Short and Smith 1994
WP-SILT	% silt in PSZ	7	11	Short and Smith 1994
WP-CLAY	% clay in PSZ	3	2	Short and Smith 1994
WP-OMC	% organic matter content in PSZ	0	0	Short and Smith 1994
WP-IRON	% iron and aluminum in PSZ	0	0	Short and Smith 1994
WP-PH	pH of the pore water in PSZ	8.5	7.0	Short and Smith 1994
WP-THICK	Thickness of PSZ (ft)	60.0	20.0	Short and Smith 1994
WP-BULKD	Bulk density of PSZ (g/cm^3)	1.99	1.90	Short and Smith 1994
WP-TOTPOR	Total porosity of PSZ (%)	30.0	30.0	Short and Smith 1994
WP-FIELD	Field capacity of PSZ (%)	9.0	12.0	Short and Smith 1994
WP-LDISP	Longitudinal dispersivity of PSZ (ft)	0.6	0.2	Short and Smith 1994
WP-CONDUC	Saturated hydraulic conductivity (ft/d)	40.0	5.95	Short and Smith 1994

Table B3-9. Saturated Zone (SZ) Values Used for 100-N Area.

MEPAS Parameter	Parameter	Parameter Values	Reference
WZ-CLASS	Soil classification in SZ	Loamy sand	Short and Smith 1994
WZ-SAND	% sand in SZ	87	Short and Smith 1994
WZ-SILT	% silt in SZ	11	Short and Smith 1994
WZ-CLAY	% clay in SZ	2	Short and Smith 1994
WZ-OMC	% organic matter content in SZ	0	Short and Smith 1994
WZ-IRON	% iron and aluminum in SZ	0	Short and Smith 1994
WZ-PH	pH of the pore water in SZ	7.7	Short and Smith 1994
WZ-THICK	Thickness of SZ (ft)	35.0	Short and Smith 1994
WZ-BULKD	Bulk density of SZ (g/cm^3)	1.90	Short and Smith 1994
WZ-TOTPOR	Total porosity of SZ (%)	30.0	Short and Smith 1994
WZ-EFFPOR	Effective porosity of SZ (%)	11.0	Short and Smith 1994
WZ-PVELOC	Pore-water velocity of SZ (ft/d)	10.8	Schramke et al. 1994

Table B3-10. Source Term Parameter Values Used for 100-H Area.

MEPAS Parameter	Parameter	Value	Reference
WS-LEACHV	Waste liquid infiltration rate (ft/d)	1.6 E-04	MEPAS*

*Calculated from MEPAS analysis.

Table B3-11. Partially Saturated Zone (PSZ) Parameter Values Used for 100-H Area.

MEPAS Parameter	Parameter	Parameter Values	Reference
		PSZ 1 of 1 layers	
WP-CLASS	Soil classification in PSZ	Sand	Short and Smith 1994
WP-SAND	% sand in PSZ	91	Short and Smith 1994
WP-SILT	% silt in PSZ	6	Short and Smith 1994
WP-CLAY	% clay in PSZ	3	Short and Smith 1994
WP-OMC	% organic matter content in PSZ	0	Short and Smith 1994
WP-IRON	% iron and aluminum in PSZ	0	Short and Smith 1994
WP-PH	pH of the pore water in PSZ	8.5	Short and Smith 1994
WP-THICK	Thickness of PSZ (ft)	50.0	Short and Smith 1994
WP-BULKD	Bulk density of PSZ (g/cm^3)	1.64	Short and Smith 1994
WP-TOTPOR	Total porosity of PSZ (%)	38.0	Short and Smith 1994
WP-FIELD	Field capacity of PSZ (%)	7.5	Short and Smith 1994
WP-LDISP	Longitudinal dispersivity of PSZ (ft)	0.5	Short and Smith 1994
WP-CONDUC	Saturated hydraulic conductivity (ft/d)	40.0	Short and Smith 1994

Table B3-12. Saturated Zone (SZ) Values Used for 100-H Area.

MEPAS Parameter	Parameter	Parameter Values	Reference
WZ-CLASS	Soil classification in SZ	Sand	Short and Smith 1994
WZ-SAND	% sand in SZ	91	Short and Smith 1994
WZ-SILT	% silt in SZ	6	Short and Smith 1994
WZ-CLAY	% clay in SZ	3	Short and Smith 1994
WZ-OMC	% organic matter content in SZ	0	Short and Smith 1994
WZ-IRON	% iron and aluminum in SZ	0	Short and Smith 1994
WZ-PH	pH of the pore water in SZ	7.5	Short and Smith 1994
WZ-THICK	Thickness of SZ (ft)	10.0	Short and Smith 1994
WZ-BULKD	Bulk density of SZ (g/cm^3)	1.64	Short and Smith 1994
WZ-TOTPOR	Total porosity of SZ (%)	38.0	Short and Smith 1994
WZ-EFFPOR	Effective porosity of SZ (%)	26.0	Short and Smith 1994
WZ-PVELOC	Pore-water velocity of SZ (ft/d)	11.5	Schramke et al. 1994

Table B3-13. Source Term Parameter Values Used for 200 East Area.

MEPAS Parameter	Parameter	Value	Reference
WS-LEACHV	Waste liquid infiltration rate (ft/d)	1.6 E-04	MEPAS*

*Calculated from MEPAS analysis.

Table B3-14. Partially Saturated Zone (PSZ) Parameter Values Used for 200 East Area.

MEPAS Parameter	Parameter	Parameter Values			Reference
		PSZ 1 of 3 layers	PSZ 2 of 3 layers	PSZ 3 of 3 layers	
WP-CLASS	Soil classification in PSZ	Sand	Sand	Sand	Short and Smith 1994
WP-SAND	% sand in PSZ	90	95	90	Short and Smith 1994
WP-SILT	% silt in PSZ	9	3	9	Short and Smith 1994
WP-CLAY	% clay in PSZ	1	2	1	Short and Smith 1994
WP-OMC	% organic matter content in PSZ	0	0	0	Short and Smith 1994
WP-IRON	% iron and aluminum in PSZ	2	2	2	Short and Smith 1994
WP-PH	pH of the pore water in PSZ	8.5	8.5	8.5	Short and Smith 1994
WP-THICK	Thickness of PSZ (ft)	33.0	164.0	62.0	Short and Smith 1994
WP-BULKD	Bulk density of PSZ (g/cm3)	1.76	1.60	1.76	Short and Smith 1994
WP-TOTPOR	Total porosity of PSZ (%)	36.0	42.0	36.0	Short and Smith 1994
WP-FIELD	Field capacity of PSZ (%)	19.0	8.5	19.0	Short and Smith 1994
WP-LDISP	Longitudinal dispersivity of PSZ (ft)	0.33	1.64	0.62	Short and Smith 1994
WP-CONDUC	Saturated hydraulic conductivity (ft/d)	4.34	14.2	4.34	Short and Smith 1994

Table B3-15. Saturated Zone (SZ) Parameter Values Used for 200 East Area.

MEPAS Parameter	Parameter	Parameter Values	Reference
WZ-CLASS	Soil classification in SZ	Loamy Sand	
WZ-SAND	% sand in SZ	86	Short and Smith 1994
WZ-SILT	% silt in SZ	12	Short and Smith 1994
WZ-CLAY	% clay in SZ	2	Short and Smith 1994
WZ-OMC	% organic matter content in SZ	0	Short and Smith 1994
WZ-IRON	% iron and aluminum in SZ	0	Short and Smith 1994
WZ-PH	pH of the pore water in SZ	7.7	Short and Smith 1994
WZ-THICK	Thickness of SZ (ft)	30.0	Short and Smith 1994
WZ-BULKD	Bulk density of SZ (g/cm^3)	1.64	Short and Smith 1994
WZ-TOTPOR	Total porosity of SZ (%)	18.0	Short and Smith 1994
WZ-EFFPOR	Effective porosity of SZ (%)	10.0	Short and Smith 1994
WZ-PVELOC	Pore-Water velocity of SZ (ft/d)	10.8	Schramke et al. 1994

Table B3-16. Source Term Parameter Values Used for 200 West Area.

MEPAS Parameter	Parameter	Value	Reference
WS-LEACHV	Waste liquid infiltration rate (ft/d)	1.6 E-04	MEPAS*

*Calculated from MEPAS analysis.

Table B3-17. Partially Saturated Zone (PSZ) Parameter Values Used for 200 West Area.

MEPAS Parameter	Parameter	Parameter Values					Reference
		PSZ 1 of 5 layers	PSZ 2 of 5 layers	PSZ 3 of 5 layers	PSZ 4 of 5 layers	PSZ 5 of 5 layers	
WP-CLASS	Soil classification in PSZ	Sand	Loam	Loamy Sand	Loamy Sand	Loamy Sand	Short and Smith 1994
WP-SAND	% sand in PSZ	95	45	86	73	87	Short and Smith 1994
WP-SILT	% silt in PSZ	3	55	12	25	11	Short and Smith 1994
WP-CLAY	% clay in PSZ	2	0	2	2	2	Short and Smith 1994
WP-OMC	% organic matter content in PSZ	0	0	0	0	0	Short and Smith 1994
WP-IRON	% iron and aluminum in PSZ	0	0	0	0	0	Short and Smith 1994
WP-PH	pH of the pore water in PSZ	8.5	7.0	7.0	7.0	7.0	Short and Smith 1994
WP-THICK	Thickness of PSZ (ft)	82.0	49.2	15.0	20	70.0	Short and Smith 1994
WP-BULKD	Bulk density of PSZ (g/cm3)	1.75	1.65	1.65	1.90	1.76	Short and Smith 1994
WP-TOTPOR	Total porosity of PSZ (%)	36	40	40	31.0	36	Short and Smith 1994
WP-FIELD	Field capacity of PSZ (%)	11.0	13.0	18.0	7.2	12.0	Short and Smith 1994
WP-LDISP	Longitudinal dispersivity of PSZ (ft)	0.82	0.492	0.15	0.20	0.7	Short and Smith 1994
WP-CONDUC	Saturated hydraulic conductivity (ft/d)	34.0	6.46	193.0	5.67	5.95	Short and Smith 1994

Table B3-18. Saturated Zone (SZ) Parameter Values Used for 200 West Area.

MEPAS Parameter	Parameter	Parameter Values	Reference
WZ-CLASS	Soil classification in SZ	Loamy Sand	
WZ-SAND	% sand in SZ	87	Short and Smith 1994
WZ-SILT	% silt in SZ	11	Short and Smith 1994
WZ-CLAY	% clay in SZ	2	Short and Smith 1994
WZ-OMC	% organic matter content in SZ	0	Short and Smith 1994
WZ-IRON	% iron and aluminum in SZ	0	Short and Smith 1994
WZ-PH	pH of the pore water in SZ	7.9	Short and Smith 1994
WZ-THICK	Thickness of SZ (ft)	30.0	Short and Smith 1994
WZ-BULKD	Bulk density of SZ (g/cm^3)	1.76	Short and Smith 1994
WZ-TOTPOR	Total porosity of SZ (%)	36.0	Short and Smith 1994
WZ-EFFPOR	Effective porosity of SZ (%)	11.0	Short and Smith 1994
WZ-PVELOC	Pore-Water velocity of SZ (ft/d)	0.6	Schramke et al. 1994

Table B3-19. Source Term Parameter Values Used for 300 Area.

MEPAS Parameter	Parameter	Value	Reference
WS-LEACHV	Waste liquid infiltration rate (ft/d)	1.6 E-04	MEPAS*

*Calculated from MEPAS analysis.

Table B3-20. Partially Saturated Zone (PSZ) Parameter Values Used for 300 Area.

MEPAS Parameter	Parameter	Parameter Values	Reference
		PSZ 1 of 1 layers	
WP-CLASS	Soil classification in PSZ	Sand	Short and Smith 1994
WP-SAND	% sand in PSZ	92	Short and Smith 1994
WP-SILT	% silt in PSZ	6	Short and Smith 1994
WP-CLAY	% clay in PSZ	2	Short and Smith 1994
WP-OMC	% organic matter content in PSZ	0	Short and Smith 1994
WP-IRON	% iron and aluminum in PSZ	0	Short and Smith 1994
WP-PH	pH of the pore water in PSZ	8.5	Short and Smith 1994
WP-THICK	Thickness of PSZ (ft)	40.0	Short and Smith 1994
WP-BULKD	Bulk density of PSZ (g/cm^3)	2.06	Short and Smith 1994
WP-TOTPOR	Total porosity of PSZ (%)	26.0	Short and Smith 1994
WP-FIELD	Field capacity of PSZ (%)	7.5	Short and Smith 1994
WP-LDISP	Longitudinal dispersivity of PSZ (ft)	0.4	Short and Smith 1994
WP-CONDUC	Saturated hydraulic conductivity (ft/d)	40.0	Short and Smith 1994

Table B3-21. Saturated Zone (SZ) Values Used for 300 Area.

MEPAS Parameter	Parameter	Parameter Values	Reference
WZ-CLASS	Soil classification in SZ	Sand	Short and Smith 1994
WZ-SAND	% sand in SZ	92	Short and Smith 1994
WZ-SILT	% silt in SZ	6	Short and Smith 1994
WZ-CLAY	% clay in SZ	2	Short and Smith 1994
WZ-OMC	% organic matter content in SZ	0	Short and Smith 1994
WZ-IRON	% iron and aluminum in SZ	0	Short and Smith 1994
WZ-PH	pH of the pore water in SZ	7.1	Short and Smith 1994
WZ-THICK	Thickness of SZ (ft)	34.0	Short and Smith 1994
WZ-BULKD	Bulk density of SZ (g/cm^3)	2.06	Short and Smith 1994
WZ-TOTPOR	Total porosity of SZ (%)	26.0	Short and Smith 1994
WZ-EFFPOR	Effective porosity of SZ (%)	23.2	Short and Smith 1994
WZ-PVELOC	Pore-water velocity of SZ (ft/d)	35.0	Schramke et al. 1994

Table B3-22. Summary of Hydraulic and Geometric Conditions in the Columbia River.

River Reach	Discharge (ft^3/s)	Width (ft)	Depth (ft)	Velocity (ft/s)	Reference
Hanford Reach	102,600	1,480	21	3.3	Whelan 1987c Walters 1983
Downstream of Yakima R. Confluence	106,270	2,170	33	1.5	SNF 1994 EP 1991 Whelan 1987c Walters 1983
Downstream of Snake R. Confluence	160,370	4,335	55	0.7	Ruppert* EP 1991 Whelan 1987c Walters 1983

*Ruppert, G., 1994, Telephone conversation with Mr. Greg Ruppert on April 27, 1994, based on U.S. Geological Survey water-discharge records.

B3.4 Transport Media

B3.4.1 Distribution Coefficients at Hanford

The degree of mobility of contaminants through the subsurface region is strongly influenced by the value of their distribution coefficients (i.e., K_d, ratio of distribution of the contaminant between the soil and water phases). Based on the physical and chemical/radiological attributes of the constituents, the Hanford soils fall into three basic categories with respect to the distribution coefficients: Type I (sand with pH $>$ 7.5), Type II (sand with pH $\leq$ 7.5), and Type III (loam/sandy loam with pH = 7) (Table B3-23). Distribution coefficients were developed for various aqueous species present in natural groundwater contacting various Hanford sediments. Table B3-24 presents a consolidated list of the Hanford sediments in the five geographic areas (300, 200 West, 200 East, 100-H, and 100-N) (Schramke 1994), where the waste sites are located, presenting the soil distribution of the 22 soil categories associated with the overburden, vadose zones, and saturated zones at Hanford. Fifteen soils fall in Category I, five soils fall in Category II, and two soils fall in Category III.

Table B3-25 contains a list of the aqueous species that would form from many of the chemicals that have been identified in the waste site sites at Hanford. These chemicals represent the species that would be present if the inorganic chemicals were dissolved in water. For compounds that dissolve, K_ds are identified for the individual species that are formed. There is no chemical difference and, thus, no K_d difference between various isotopes (stable or radioactive) for a given element; thus, separate K_d values have not been listed for Sn, Sn-113, Sn-123, etc. Because of the difficulty of determining K_d values for all organics, a zero value is assigned to them, except for the list of organics identified in Table B3-26, for which research has been performed to determine site-specific K_d values (Ames and Serne 1991). For more information on Hanford distribution coefficients, refer to Serne (1993), and Serne and Wood (1990).

Table B3-23. Regional Soil Characteristics as a Function of pH.

Soil Type	Texture	pH
I	Sand	8.5 (text says pH > 7.5)
II	Sand	7 (text says pH <= 7.5)
III	Loam	7

Table B3-24. List of Hanford Sediments in the Five Geographic Areas.

Soil Type	Hydrostratigraphic Zone	Texture	Sand (%)	Silt (%)	Clay (%)	Omc (%)	Iron (%)	pH
300 Area								
I	Topsoil	Sand	92	6	2	0	0	8.5
I	PSZ	Sand	92	6	2	0	0	8.5
II	SZ	Sand	92	6	2	0	0	7.1
200 West Area								
I	Topsoil	Sand	95	3	2	0	0	8.5
I	PSZ (1)	Sand	95	3	2	0	0	8.5
III	PSZ (2)	Loam	45	55	0	0	0	7
II	PSZ (3)	Loamy Sand	86	12	2	0	0	7
III	PSZ (4)	Sandy Loam	73	25	2	0	0	7
II	PSZ (5)	Loamy Sand	87	11	2	0	0	7
I	SZ	Loamy Sand	87	11	2	0	0	7.9
200 East Area								
I	Topsoil	Sand	90	9	1	0	2	8.5
I	PSZ (1)	Sand	90	9	1	0	2	8.5
I	PSZ (2)	Sand	95	3	2	0	2	8.5
I	PSZ (3)	Sand	90	9	1	0	2	8.5
I	SZ	Loamy Sand	86	12	2	0	0	7.7
100-H Area								
I	Topsoil	Sand	91	6	3	0	0	8.5
I	Psz	Sand	91	6	3	0	0	8.5
II	SZ	Sand	91	6	3	0	0	7.5
100-N Area								
I	Topsoil	Sand	90	7	3	0	0	8.5
I	PSZ (1)	Sand	90	7	3	0	0	8.5
II	PSZ (2)	Loamy Sand	87	11	2	0	0	7
I	SZ	Loamy Sand	87	11	2	0	0	7.7

Table B3-25. K_d Values (mL/g) for Inorganic Compounds Formed from Chemicals Identified in Hanford Soils. (3 sheets)

Element	Species	Soil I	Soil II	Soil III	Reference
H	^3H_2O	O	O	O	water ≡ K_d ≡ O
Li	Li^+	0.2	0.2	0.8	MEPAS[a]
Be	Be^{2+}	30	70	100	Serne[b]
B	BO_3^{3-}	.19	.19	1.3	MEPAS
C	CO_3^{2-}	0	0	0	anion = 0
C	CN^-	0	0	0	anion = 0
N	NO_2^-	0	0	0	observed
N	NO_3^-	0	0	0	observed
N	NH_4^+	0.2	0.2	0.8	assume Na^+
O	OH^-	0	0	0	anion
F	F^-	0	0	0	anion
Na	Na^+	0.2	0.2	0.8	MEPAS
Mg	Mg^{2+}	7	7	14	1/10 MEPAS (Ca^{2+})
Al	Al^{3+}	300	300	350	≈ 1/100 MEPAS
Al	AlO_2^-	0	0	1	anion
Si	SiO_4^{4-}	0	0	0	anion
P	PO_4^{3-}	50	50	50	MEPAS
S	SO_4^{2-}	0	0	0	MEPAS
Cl	Cl^-	0	0	0	MEPAS
K	K^+	0.2	0.2	0.8	MEPAS (Na^+)
Ca	Ca^{2+}	7	7	14	1/10 MEPAS (Ca^{2+})
Sc	Sc^{3+}	50	100	250	use Cr^{3+}
V	VO_4^{3-}	5	10	20	guess[b]
V	VO_3^-	5	10	20	guess[b]
Cr	Cr^{3+}	50	100	250	Serne
Cr	CrO_4^{2-}	0	0	1	observed
Mn	Mn^{2+}	30	70	100	use Be^{2+}
Mn	MnO_4^-	0	0	0	anion
Fe	Fe^{2+}	15	15	30	known to adsorb better than Mg
Fe	Fe^{3+}	50	50	50	known to adsorb better than Fe^{2+}
Co	Co^{2+}	20	12	50	observed
Ni	Ni^{2+}	20	12	50	observed
Cu	Cu^{2+}	20	12	50	same as Ni
Zn	Zn^{2+}	20	12	50	Same as Ni
Ge	Ge^{4+}	200	300	350	use Al^{3+}
As	AsO_4^{3-}	30	50	300	Serne
As	AsO_3^{3-}	3	5	10	Serne
Se	SeO_4^{2-}	0	2	5	Serne
Se	SeO_3^{2-}	0	1	3	Serne
Br	Br^-	0	0	0	anion

Table B3-25. K_d Values (mL/g) for Inorganic Compounds Formed from Chemicals Identified in Hanford Soils. (3 sheets)

Element	Species	Soil I	Soil II	Soil III	Reference
Kr	Kr (gas)	0	0	0	inert gas
Rb	Rb^+	0.2	0.2	0.8	same as Na^+
Sr	Sr^{2+}	15	10	25	observed
Y	Y^{3+}	100	100	200	guess[b]
Zr	Zr^{4+}	50	50	100	like Lanthanides
Nb	Nb^{5+}	100	100	200	observed
Mo	Mo^{3+}	50	50	100	assume like La
Mo	MoO_4^-	0	0	1	similar TcO_4^-
Tc	TcO_4^-	0	0	0	observed
Ru	Ru^{3+}	50	50	100	assume like La
Ru	RuO_4^-	0	1	2	anion guess[b]
Ag	Ag^+	1	1	5	monovalent sorbs better than Na^+
Cd	Cd^{2+}	20	12	50	like Ni
In	In^{3+}	100	100	200	guess[b]
Sn	Sn^{2+}	200	300	350	assume Al^{3+}
Sn	Sn^{4+}	100	150	175	½ of Sn^{2+}
Sb	SbO_2^-	0	1	2	anion guess[b]
Sb	SbO_3^-	0	0	1	anion guess[b]
I	I^-	0	0	0	observed
I	IO_3^-	0	0	0	guess[b]
Cs	Cs^+	50	30	100	observed
Ba	Ba^{2+}	15	10	25	assume Sr^{2+}
La-Lu	Ce^{3+}	50	50	100	MEPAS
La-Lu	Pm^{3+}	50	50	100	MEPAS
La-Lu	Sm^{3+}	50	50	100	MEPAS
La-Lu	Eu^{3+}	50	50	100	MEPAS
La-Lu	Tm^{3+}	50	50	100	MEPAS
Ta	Ta^{5+}	100	100	200	guess[b]
Re	ReO_4^-	0	0	0	observe
Au	Au^{3+}	100	100	200	guess[b]
Hg	Hg^{2+}	100	100	200	MEPAS
Tl	Tl^-	0.2	0.2	0.8	like Na^+
Pb	Pb^{2+}	100	100	200	observe
Bi	Bi^{3+}	100	100	200	assume like Pb
Po	Po^{2+}	100	100	200	assume like Pb
Ra	Ra^{2+}	30	20	50	≈ 2 x Sr
Th	Th^{4+}	50	50	100	like La
Pa	Pa^{4+}	50	50	100	like La
U	U^{4+}	100	100	250	Serne
U	UO_2^{2+}	1	2	3	Serne

Table B3-25. K_d Values (mL/g) for Inorganic Compounds Formed from Chemicals Identified in Hanford Soils. (3 sheets)

Element	Species	Soil I	Soil II	Soil III	Reference
Np	NpO_2^+	1	0	2	Serne
Np	Np^{4+}	200	200	500	Serne
Pu	Pu^{3+}, Pu^{4+}	200	200	500	Serne
Pu	PuO_2^+,	1	1	5	Serne
Am	PuO_2^{2+} Am^{3+}	50	50	100	like La
Cm	Cm^{3+}	50	50	100	like La
Bk	Bk^{4+}	50	50	100	like La
Cf	Cf^{3+}	50	50	100	like La
Es	Es^{3+}	50	50	100	like La

[a]Documented in the MEPAS database (Strenge and Peterson 1989).
[b]Recommended by R. J. Serne, Staff Scientist, Pacific Northwest Laboratory.

Table B3-26. K_d Values (mL/g) for Organic Chemicals.

Organic Chemical	Soil I	Soil II	Soil III	Reference/Justification
butyl phosphates	4	4	8	Ames and Serne 1991
tributyl phosphates	4	4	8	Ames and Serne 1991
dibutyl phosphonate	4	4	8	assume like TBP
tributyl phosphonate	4	4	8	assume like TBP
carbon tetrachloride	0	0	0	moves in Hanford soils
trichlorethylene	0	0	0	moves in most soils
normal paraffin hydrocarbons	100	100	200	solubility in water is low
sulfamate	0	0	0	soluble; guess on K_d
oxalate	5	5	10	forms insoluble calcium salt, so guess
methyl isobutyl ketone	0	0	0.02	Ames and Serne 1991

B3.4.2 Groundwater

Generating groundwater model input data on source location and size was based on review of documents containing information on liquid waste disposal facilities, contaminant concentrations in monitoring wells, and direction of groundwater flow. Where contaminants were primarily located near a single liquid waste disposal unit and/or downgradient from it, that unit was chosen as the source. Where contaminants were primarily located downgradient from a cluster of liquid disposal units, the area that encompassed the cluster was designated as the source. Where contaminants were dispersed throughout an area with no obvious relationship to a single source or a cluster of sources, the entire area was designated as a source.

The pertinent aquifer properties that must be input to the analytical transport model include effective porosity, aquifer thickness, and bulk density. Estimating pore water velocity for model input involved obtaining (1) velocities from other sources, (2) calculating velocities via Darcy's law from information on hydraulic conductivity and hydraulic head gradient and effective porosity in the vicinity of the plume, or (3) estimating velocities based on plume travel time and distance.

Aquifer parameter values developed for the hydrogeologic environmental settings described in Section B3.3.2 that apply directly to the present model calculations of contaminant concentrations are effective porosity and bulk density. The environmental setting values were used for these parameters unless there were different values documented at specific locations of existing plumes. Values for these parameters do not change much along the paths of plumes that travel from one setting to another. The values of these parameters were not varied for calibration and were not changed for calculation of future plumes that traverse more than one environmental setting.

Hydraulic conductivity values given for the environmental settings were used to calculate pore velocities for model input if no documented values for specific plume sites were found. Pore velocity values were varied, if necessary, for plume calibration. The pore velocity associated with a calibrated plume was retained for modeling future development of the plume, including extending from one environmental setting into another during contaminant transport from the Central Plateau area to the Columbia River. This procedure may have resulted in relatively high pore velocities for some future plumes because hydraulic gradients tend to be greater now than they would be in the future. The current high gradients are caused by water table mounding beneath liquid waste disposal facilities. This mounding would diminish in the future. As discussed below, high pore water velocities result in relatively rapid plume movement. This is conservative in the sense that contaminants move farther from the source in a given time, but not conservative with regard to the duration of natural flushing of the aquifer.

Longitudinal dispersivities were based on a relation between longitudinal dispersivity and mean plume travel distance presented by Walton (1985). This relationship is based on values of dispersivities obtained from field studies. Longitudinal dispersivities applied to one plume were also applied to other plumes following similar paths. Transverse dispersivities were set at one-fifth of the longitudinal dispersivity, and vertical dispersivity was obtained by multiplying longitudinal dispersivity by 0.00116 in accordance with MEPAS guidance (Droppo 1991). Dispersivities were not increased when future plume locations and concentrations were simulated. This treatment is conservative in terms of maximum calculated concentration.

A key well, thought to be representative, was selected for each plume. Representativeness was based on the contaminant concentration at the well relative to other concentrations in the area. Other items considered were location relative to the source, distance from the axis of the plume, and sampling depth. An attempt was made to select a well that would result in a calculated plume similar to the real one after calibration.

Calibration of the calculated plume was based on the contaminant concentration in the key well. It was performed by making a preliminary model run with an estimated source flux rate. The ratio of the preliminary calculated concentration to the measured concentration was then applied to the source flux rate. If concentrations calculated for the 1-km (0.6-mi) grid spacing indicated that the key well or a significant input parameter was not representative, a new calibration was performed. Such examination and adjustment provided a check on the representativeness of the key well and input parameters, while avoiding time-consuming consideration of all monitoring wells during the calibration.

This approach cannot provide a calibrated plume in only two runs if no truly representative monitoring well exists, which may occur when an area source is used to represent a cluster of sources and all wells are monitoring individual sources. Furthermore, the approach may not provide a calibrated plume when the number and distribution of monitoring wells is insufficient to support selection of a representative one. Compensating for such cases involves checking source flux rates for realism and checking concentrations calculated on the 1-km (0.6-mi) grid for realism. If the model areal distribution of calculated concentrations is not realistic based on the original calibration, some adjustment must be made. The adjustment may be selecting a new key well based on the new information. Also, parameters that contain a high degree of uncertainty may be adjusted. These parameters include local groundwater velocity, local distribution coefficient, and starting and ending times for source flux. The effects of pore water velocity and distribution coefficient are not easily separated. These two parameters jointly affect the travel distance of the plume. The practical consequences of the selection of one over the other to govern plume travel distance is nil, since they are combined in the model code to produce a retarded velocity.

The calculation of concentrations in the 1-km (0.6-mi) grid involved (1) establishing a groundwater flow line from the source of each plume to the Columbia River, (2) treating this flow line as the axis of the plume, (3) calculating distance along the axis and lateral distance from the axis for the center of each 1-km (0.6-mi) cell, (4) putting these distances into model input files for calibrated plumes, and (5) running the model to calculate concentrations at the grid points. To calculate concentrations at future times at locations other than at the source, pathlines were determined from the cells containing the aggregated waste sites to surrounding locations. For example, Figure B3-5 presents the pathlines through the groundwater to the Columbia River from the cells containing the aggregated waste sites. The flow lines from sources to the river were taken from particle tracks of an existing CFEST flow model fitted with straight line segments (see Figure B3-6) for December 1992 flow conditions at Hanford. While these flow lines are for current conditions, comparison with results of numerical solute transport modeling for future conditions presented by Westinghouse Hanford Company in *Hanford Groundwater Cleanup and Restoration Concept Study* (WHC 1992, Figures B-27, B-28, B-31, B-32, B-33, and B-44) show that they also apply reasonably well to future conditions. The pathline representation that was used in this assessment is illustrated on Figure B3-6.

A computer code was developed to calculate the location of centers of 1-km (0.6-mi) cells relative to the flow lines from the sources, which are equivalent to the axes of plumes from the sources. The code searches for the grid points that are close enough to the axis to be within the plume. For each point, it calculates the distance from the flow line measured along a perpendicular (y-distance for MEPAS), and it calculates the distance from the source to the perpendicular measured along the segmented flow line. Points near the junction of two line segments that have perpendiculars to both segments are assigned a y-distance equal to the distance from the point to the juncture. The x-distance for such points is the average of the distance to the two perpendiculars. Points near a junction that have no perpendiculars are also assigned a y-distance equal to the distance to the juncture. The x-distance for these points is the distance along the flow line to the juncture. In this way concentrations along curved flow paths are approximated with an analytical model that assumes a straight flow path.

The x- and y-distances are added to the input file of the calibrated run for the plume so that concentrations at the grid points are calculated for current conditions. If the results represent observed concentrations reasonably well, the input file is used to calculate concentrations at future times by changing the value for time in the input file.

Analytical modeling of this sort involves many assumptions that make the model a very simplified representation of the real groundwater system. These assumptions create uncertainty regarding how well the calculated concentrations represent true concentrations. For current conditions, uncertainty may be evaluated by comparing calculated to observed concentrations. In the modeling for the HRA-EIS, uncertainty was treated by choosing key wells and input parameters that would generate error in the conservative direction. That is, the policy was to select wells with relatively high contaminant concentrations. Calibrating to relatively high contaminant concentrations tends to produce high calculated concentrations and overestimate source flux rate. When dealing with uncertainty in pore velocities and distribution coefficients, the policy was to use a relatively high pore velocity and low distribution coefficient (high retarded velocity). This tends to promote relatively rapid plume movement. The policy is conservative in the sense that contaminants move farther from the source in a given time. It is also conservative when key wells are in the tail of a plume, because it causes downgradient concentrations to be overestimated. It is not conservative with regard to the duration of natural flushing of the aquifer.

Because plumes from different wastes sites can overlap, the concentrations from multiple waste sites at downgradient cells were addressed. When multiple waste sites transported contamination to the same downgradient cell, the concentrations were added by constituent. The concentrations can be added because of the linearity of the system. The results of the concentration calculations are presented in Table B3-27. Six regions were identified that adequately describe the groundwater modeling for the Hanford Site. These are plumes originating in the 100-N Area, 100-H Area, 200 West Area, 200 East Area, 300 Area, and Southwest Region.

B3.4.2.1 Plumes Originating in the 100-N Area. The 100-N Area includes the 100-B/C, 100-K, 100-N, and 100-D reactor sites. Strontium-90 plumes affect estimates of cost and duration of remedial actions the most. Strontium-90 is found at concentrations above the state of Washington drinking water standard of 8 pCi/L at all of the reactor sites (Figure B3-16), although concentrations are low in the 100-K Area. This constituent would be difficult to remove because it is highly bound to aquifer solids, and many pore volumes of groundwater must flow through the contaminated parts of the aquifer to flush the strontium-90 to extraction wells. Future experimental work may produce cost-effective lixiviants that would accelerate strontium-90 removal. The strontium-90 plume with the highest concentrations is in the 100-N reactor area, where concentrations would have to be reduced from about 1,580 pCi/L to 8 pCi/L to meet the requirements of the state of Washington and federal drinking water standards. For strontium-90, the concentration of 8 pCi/L would result in an effective dose equivalent of 4 mrem/year to bone marrow if this were the only source of drinking water used by an adult reference individual.

B3.4.2.2 Plumes Originating in the 100-H Area. The 100-H Area includes the 100-H and 100-F reactor sites. The 100-F site contains a strontium-90 plume where concentrations as high as 250 pCi/L have been recorded. Strontium-90 concentrations in the 100-H Area are relatively low, and uranium is likely to be the most difficult contaminant to remove. It is moderately adsorbed and the use of a lixiviant might be beneficial.

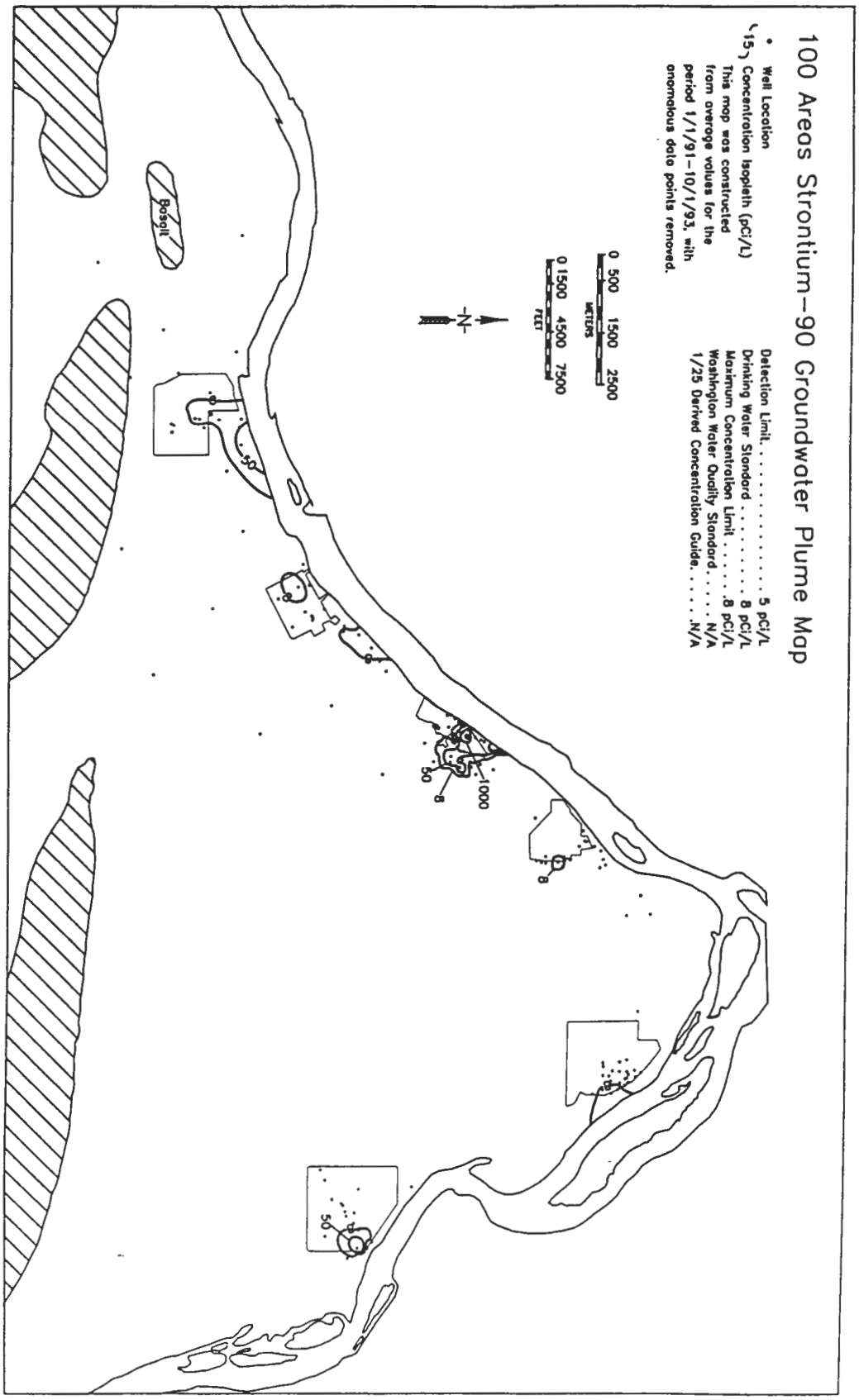
B3.4.2.3 Plumes Originating in the 200 West Area. A carbon tetrachloride plume underlies most of the 200 West site (Figure B3-17). Concentrations as high as 760 μg/L have been reported. The state of Washington drinking water standard is 0.3 μg/L and the federal drinking water standard is 5 μg/L. The most extensive plume in the 200 West Area is the southern tritium plume (Figure B3-18). It originates in the southern part of the 200 West Area and extends to the east, bending northward toward the gap between Gable Mountain and Gable Butte.

Table B3-27. Maximum Constituent Concentrations.

Constituent	Units	40 Years Into Future		100 Years Into Future	
		Max. Conc.	Cell ID	Max. Conc.	Cell ID
Arsenic	ug/L	8.15 E-02	586123	1.53 E-03	587123
Carbon Tet	ug/L	3.47 E+03	567135	1.03 E+03	567135
Chloroform	ug/L	1.75 E+01	567135	5.02 E+00	568135
Chromium	ug/L	1.02 E+03	568133	2.44 E+02	569133
Cobalt-60	pCi/L	5.15 E-01	572139	1.28 E-04	572140
Cs-137	pCi/L	0.00 E+00	all cells	0.00 E+00	all cells
Cyanide	ug/L	1.00 E+04	573137	6.96 E+03	573138
DCA	ug/L	9.62 E-04	590127	2.56 E-04	594121
DCE	ug/L	0.00 E+00	all cells	0.00 E+00	all cells
Fluoride	ug/L	3.95 E+04	567136	1.79 E+04	568136
I-129	pCi/L	4.10 E+02	568133	9.80 E+01	569133
Nitrate	ug/L	9.69 E+05	569147	4.77 E+04	570149
PCE	ug/L	1.38 E-01	579130	3.87 E-02	580131
PU-239	pCi/L	0.00 E+00	all cells	1.57 E-19	573136
SR-90	pCi/L	1.50 E+03	571148	1.69 E+02	571148
TC-99	pCi/L	6.21 E+03	568135	1.93 E+03	569135
TCE	ug/L	1.56 E+03	566136	5.74 E+02	566136
Tritium (H-3)	pCi/L	9.76 E+04	572140	1.00 E+03	571150
Uranium	pCi/L	4.93 E+02	567136	2.35 E+04	567136

Constituent	Units	140 Years Into Future		1,000 Years Into Future		10,000 Years Into Future	
		Max. Conc.	Cell ID	Max. Conc.	Cell ID	Max. Conc.	Cell ID
Arsenic	ug/L	7.77 E-05	587123	8.60 E-08	571146	1.93 E-17	572150
Carbon Tet	ug/L	7.76 E+02	568135	2.91 E+01	569143	1.64 E-07	567146
Chloroform	ug/L	3.06 E+00	568135	1.15 E-01	568145	9.05 E-07	594122
Chromium	ug/L	1.36 E+02	570133	3.36 E+00	572147	3.26 E-16	582146
Cobalt-60	pCi/L	3.93 E-07	572140	0.00 E+00	all cells	0.00 E+00	all cells
Cs-137	pCi/L	0.00 E+00	all cells	1.20 E-12	573136	0.00 E+00	all cells
Cyanide	ug/L	3.92 E+03	572139	2.67 E+02	574145	9.07 E-04	582146
DCA	ug/L	8.96 E-05	593120	0.00 E+00	579130	0.00 E+00	579130
DCE	ug/L	0.00 E+00	all cells	0.00 E+00	all cells	0.00 E+00	all cells
Fluoride	ug/L	1.18 E+04	569136	3.85 E+02	567146	0.00 E+00	562146
I-129	pCi/L	5.46 E+01	570133	1.35 E+00	572147	1.55 E-05	582147
Nitrate	ug/L	1.66 E+04	570149	6.59 E-01	582146	0.00 E+00	all cells
PCE	ug/L	2.54 E-02	580131	5.92 E-04	586132	5.29 E-09	594121
PU-239	pCi/L	1.46 E-14	573136	1.13 E+00	573136	7.30 E-02	573137
SR-90	pCi/L	3.18 E-09	575139	3.18 E-09	575139	0.00 E+00	all cells
TC-99	pCi/L	1.20 E+03	570135	3.83 E+01	570149	3.25 E-11	570149
TCE	ug/L	1.77 E+02	566136	3.85 E+00	568136	4.02 E-02	567146
Tritium (H-3)	pCi/L	4.68 E+01	571150	2.38 E-26	573152	0.00 E+00	all cells
Uranium	pCi/L	2.31 E+04	567136	1.19 E+03	568136	4.89 E+01	571139

Figure B3-16. Strontium-90 Groundwater Plume Map for the 100 Areas.



9613459.2328

Figure B3-17. Carbon Tetrachloride Groundwater Plume Map for the 200 Areas.

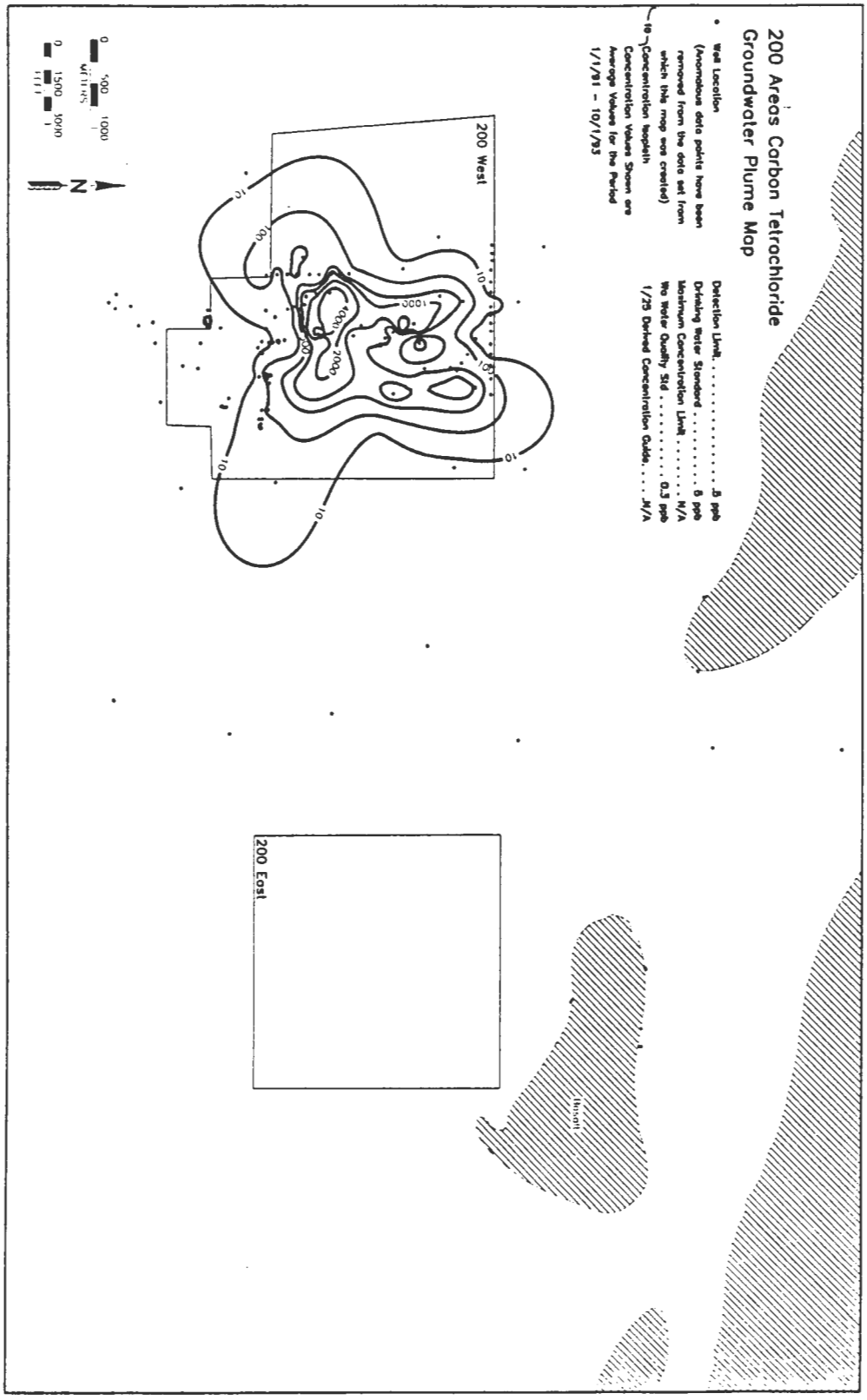
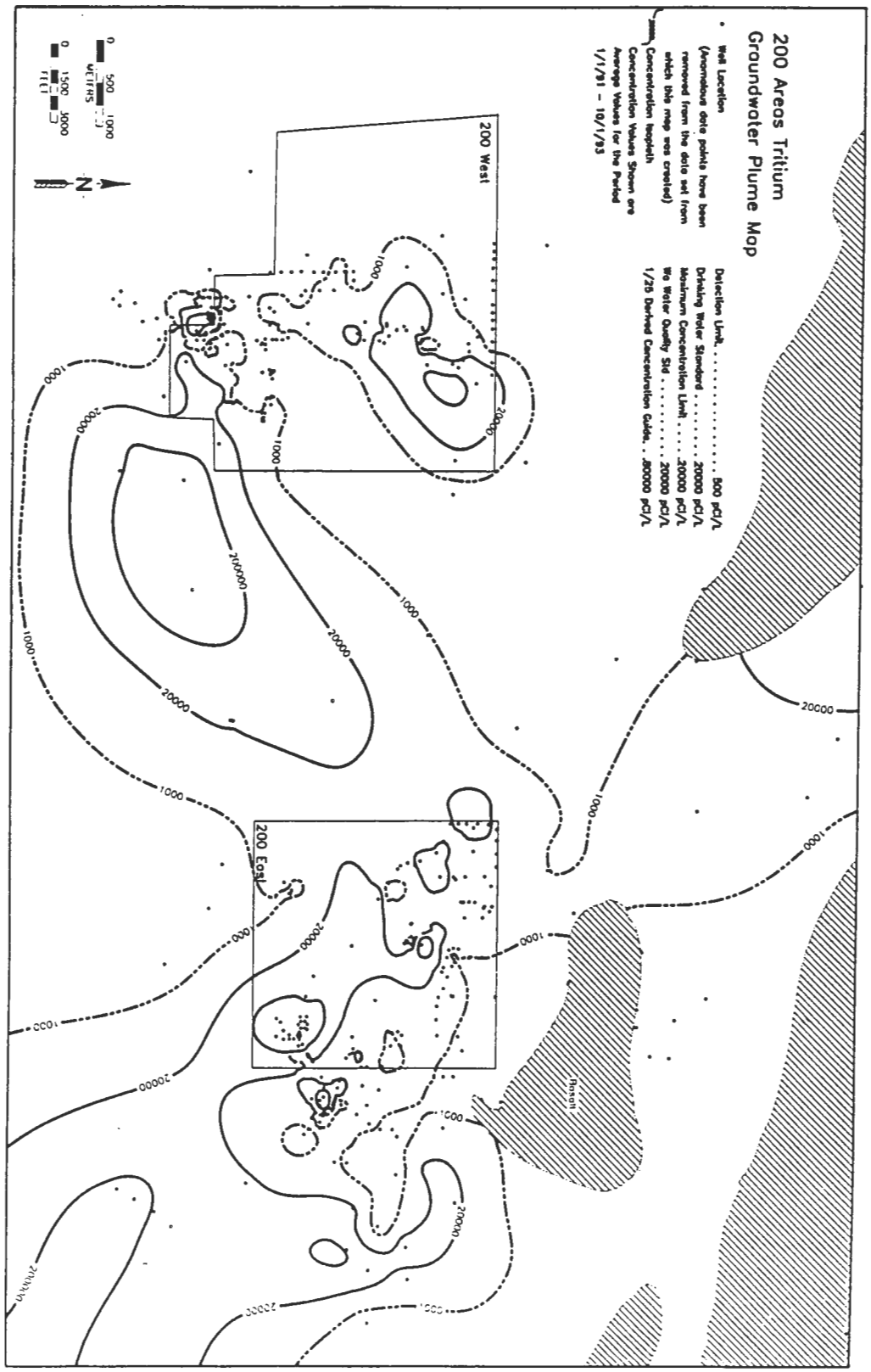


Figure B3-18. Tritium Groundwater Plume Map for the 200 Areas.



B3.4.2.4 Plumes Originating in the 200 East Area. The constituents in most of the 200 East plumes are not highly adsorbed and would tend to move downgradient and disperse when the sources have been deactivated. A large tritium plume originates near the southeastern corner of the Hanford Site and extends to the Columbia River. Adsorbed constituents represented in 200 East plumes include strontium-90, cesium-137, uranium, and cyanide. Strontium-90 and cesium-137 are found in monitoring wells located near the 216-B-5 reverse well. Even though their concentrations are high, they are unlikely to migrate out of the 200 East Area before they have decayed sufficiently to meet water quality standards. Strontium-90 is found at lower concentrations elsewhere, especially in the Gable Mountain Pond area. Cyanide is lightly adsorbed; it is present in the Gable Mountain Pond area and would probably require a longer duration of pumping for protection of downgradient areas than any of the other plumes.

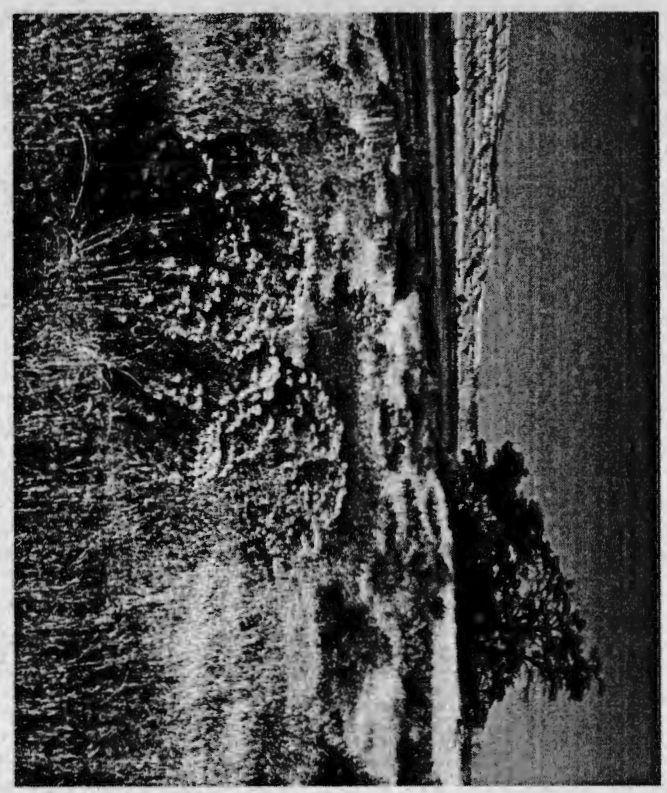
B3.4.2.5 Plumes Originating in the 300 Area. The largest plume in the 300 Area is a uranium plume with the highest concentrations near the 316-5 process trenches. A large amount of trichlorethylene has been disposed in the 316-1 and 316-2 process ponds and is found in the groundwater of the area along with the degradation product 1,2-dichloroethylene. Trichloroethylene is also found around the periphery of the Horn Rapids Landfill, which is located immediately south of the 300 Area. The tritium plume from the 200 East Area has reached the 300 Area.

B3.4.2.6 Plumes Originating in the Southwest Region. Plumes originating in the Southwest Region are trichloroethylene and perchloroethylene found in wells adjacent to the Nonradioactive Dangerous Waste Landfill.

B3.4.3 Air

Air and soil concentrations were calculated for locations within an 80-km (50-mi) radius for 16 different directional sectors and 12 different radii from the center of the aggregated waste site as described in Section B3.2.1. The atmospheric pathway in the MEPAS program uses a sectored-average-Gaussian approach to distribute contaminants that are released into the environment via volatilization or resuspension of contaminated particles. A computer program was written to translate the atmospheric polar-coordinate system and overlay it into the GIS cartesian-coordinate system.

1 *This page intentionally left blank.*



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Appendix B4

B4.0 Exposure Assessment

This appendix describes the exposure scenarios used as the basis for the risk assessment for the *Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan* (HRA-EIS) and the generation of the corresponding unit risk factors (URF). The exposure scenarios are modeled after those in the *Hanford Site Baseline Risk Assessment Methodology (HSBRAM)* (DOE-RL 1993a) published by the U.S. Department of Energy (DOE). The HSBRAM scenarios were developed as a guide when performing evaluations of risk related to *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* remedial investigations and *Resource Conservation and Recovery Act of 1976* facility investigations. The URFs were calculated for the four exposure scenarios defined in the HSBRAM. These scenarios are described in detail in Section B4.1. The URFs give the human health risk for an exposure scenario per unit concentration of a contaminant in a defined transport medium. The URFs are then multiplied by the calculated medium concentration to estimate risk. The URFs depend on the contaminant type (i.e., radionuclide, chemical carcinogen, chemical noncarcinogen) and are evaluated appropriately for each contaminant.

The URFs were calculated using the Multimedia Environmental Pollutant Assessment System (MEPAS) exposure assessment component (Droppo 1989). Section B4.2 describes the methods for URF evaluation, radionuclide and chemical health impact analysis, and summary intake factor (SIF) evaluation. Sensitivity analyses of MEPAS are described in *Multimedia Environmental Pollutant Assessment System (MEPAS) Sensitivity Analysis of Computer Codes* (Doctor 1990) and *Analysis of Health Impacts Inputs to the U.S. Department of Energy Risk Information System* (Droppo 1990).

The four HSBRAM scenarios are agricultural, residential, industrial, and recreational. The URFs were calculated for each of these scenarios for an array of media, exposure pathways, and contaminants, as follows:

- Medium: soil (per unit mass), soil (per unit area), air, groundwater, and surface water
- Exposure pathway: 22 pathways defined, as appropriate for each scenario
- Contaminant: 47 chemicals and 101 radionuclides.

The contaminants included in the analysis were selected based on the source-term database for the HRA-EIS. The list of chemicals is given in Table B4-1 and the list of radionuclides is given in Table B4-2. In some cases, the initial list included chemical compounds such as ferric nitrate. For the URF analysis, contaminants were evaluated as the compound, as well as the individual constituents. For example, ferric nitrate was evaluated as the compound, as the ferric ion, and as the nitrate ion.

The URF analyses are intended to provide estimates of health impacts per unit concentration of contaminant in a medium. The health impact measure for carcinogenic chemicals and radionuclides is the lifetime cancer incidence from intake received during a defined exposure duration. For noncarcinogenic chemicals, the health impact measure is the hazard index, which is the ratio of the daily intake to the reference dose (evaluated for ingestion and inhalation intake routes).

For each contaminant, the health impacts were added across all exposure pathways for a given scenario and medium (see exposure pathway lists in Tables B4-3, B4-4, B4-5, and B4-6). Because it was desired to add health impacts, it was necessary to ensure that all exposure pathways for a given

scenario and medium were evaluated in a consistent manner with respect to representation of the individual and exposure duration. To ensure this consistency, some of the exposure conditions recommended in HSBRAM were modified slightly. All URF analyses were based on exposure of an adult. However, a "composite adult" was used for those exposure pathways for which HSBRAM recommends such an approach. These are pathways, for example soil ingestion, where child exposure parameters are more conservative than adult ones. The composite adult was evaluated using child parameters for 6 years and adult parameters for 24 years, giving a total exposure duration of 30 years. This approach was used for all contaminant types.

The industrial scenario was based on an adult worker exposed for 20 years. All other scenarios were based on a 30-year exposure duration.

The URFs involved normalization to a unit concentration of each contaminant in each of the five media. The units of normalization are shown in Table B4-7.

B4.1 Exposure Scenarios

The four HSBRAM scenarios were used as the basis for the URF evaluations. Each of these scenarios was evaluated for five transport media: (1) soil defined per unit mass, (2) soil defined per unit area, (3) groundwater from wells, (4) surface water, and (5) air. These are the primary media for which contaminant concentrations are estimated or known for the grid cells in the geographic information system. Other media were identified in HSBRAM (biota and sediment) but were not specifically identified for representation in the HRA-EIS. Other media identified in HSBRAM (biota and sediment) were not specifically identified in the HRA-EIS analysis but were considered in the URF analysis when appropriate to the scenario and exposure pathways.

B4.1.1 Agricultural Scenario

The Hanford Site could be used for agriculture under Unrestricted Future Land-Use Alternatives or, following a loss of institutional controls, under Restricted or Exclusive Future Land-Use Alternatives. The Columbia Basin and Yakima Valley currently have an extensive agricultural base. Agricultural operations near the Hanford Site include irrigated and dry land farming and livestock grazing. About one-third of the crop acreage is irrigated, one-third is in dry land production, and the remaining one-third is idle (Walton 1985).

The agricultural scenario is very similar to the residential scenario. The primary difference is that the agricultural scenario includes consumption of animal products (meat and milk) produced on the farm. The exposures are assumed to be continuous and include occasional water-related recreational activities. Pathways included in the agricultural scenario are presented in Table B4-3 and discussed in Section B4.2.2.1.

As described above, the standard HSBRAM uses both adult and child exposure parameters. Where child parameters are more conservative, the exposure duration is 6 years as a child and 24 years as an adult. Where the use of only adult parameters is conservative, the duration is 30 years as an adult. The agricultural scenario involved four primary media (soil, groundwater, surface water, and air) and five secondary media (dairy, game, fish, fruit, and vegetables). The URFs were

calculated for soil concentrations. Within HSBRAM, sediment was considered a separate medium, although the parameters associated with sediment are identical to soil. Sediment was not considered in the analysis. Game and fish were considered as separate media.

Dermal exposure from groundwater occurs only through showering (which includes personal bathing). Dermal exposure to surface water may occur through showering and swimming. Direct ingestion of surface water is not addressed unless the source of drinking water is the Columbia River.

B4.1.2 Residential Scenario

The residential scenario is intended to represent potential exposures to an individual who may take up residence on the Hanford Site in the future. The exposures are described as occurring continuously throughout the year (except for surface water recreational activities). The pathways described in HSBRAM were included, plus a few other related pathways. It is assumed that the resident individual has the potential to be exposed to all the media. Exposure parameters were selected to represent continuous exposure by each pathway. Pathways included in the residential scenario are presented in Table B4-4 and discussed in Section B4.2.2.2. The residential scenario is identical to the agricultural scenario except that the resident does not consume meat and milk grown on the site.

B4.1.3 Industrial Scenario

The industrial scenario is intended to represent potential exposures to workers in a commercial/industrial setting. Because the results of the analysis were to be applied to many locations on the Hanford Site, it was difficult to select a completely representative set of exposure pathways. Therefore, for the present analysis, all exposure pathways identified in HSBRAM have been included, plus other pathways that may be associated with an industrial setting. The scenario involves activities that are performed mainly indoors, but outdoor activities (e.g., soil contact) were also included. The scenario is not intended to represent exposure of remediation workers, and the industrial workers were assumed to wear no protective clothing. Pathways included in this scenario are presented in Table B4-5 and discussed in Section B4.2.2.3.

In this situation, individuals engaged in a commercial enterprise are exposed to contaminated soil, water, or air. Employees work at this location for 20 years. The company employs only adults. Earlier stages of human development are accounted for in the residential scenario. The worker is exposed to contaminated soil 146 days per year including, a small amount of incidental ingestion of contaminated soil each day. In addition, there is periodic contact with the skin, allowing for some absorption of contaminants through the skin. Radionuclides also produce external dose. A third way that hazardous materials in the soil enter the worker is through resuspension and inhalation of dust.

In the HSBRAM industrial scenario, workers consume contaminated water at the rate of 1 L/day (0.3 gal/day). The water may come from either ground or surface sources. For our analysis, we have assumed that groundwater is the source of drinking water. The workers drink this amount of water 250 days per year for 20 years. Some contaminants also volatilize, so the air effectively contains an assumed amount of pollutant per cubic meter of air. The assumed amounts differ for radionuclides and chemicals. There is also some absorption through the skin from a daily shower. An accumulated dose was calculated over 20 years from a constant average from all exposure pathways.

HSBRAM considers only adults for the industrial exposure scenario. External exposures were not analyzed for radionuclides in HSBRAM; however, we have chosen to incorporate dermal exposure for the HRA-EIS. For some actinides and other contaminant groups that are not readily taken up in the gastrointestinal tract, the greatest risk is through dermal exposure.

B4.1.4 Recreational Scenario

The recreational scenario is intended to represent exposure to contaminants in the Columbia River. The exposure pathways presented in HSBRAM were included, plus other pathways that may be expected to occur with the defined activities. For example, recreational swimming is suggested in HSBRAM for dermal contact with surface water. This pathway was included in the present analysis, along with boating and shoreline activities (included in HSBRAM as exposure to sediment). The exposure pathways represent use of all media with exposure parameters selected to represent the occasional use of the water, as opposed to continuous use for residential exposures. Pathways included in this scenario are presented in Table B4-6 and discussed in Section B4.2.2.4.

The recreational scenario involves four primary media (soil, groundwater, surface water, and air) and one secondary medium (fish). Recreational activities include boating, swimming, hunting, and related shoreline activities. Both adults and children were included in the evaluation of pathway parameters within HSBRAM, using the composite adult described above, which uses six years of child exposure parameters when child parameters are more conservative. Exposure to contaminated soil, water, and air takes place 7 days/year for 30 years.

B4.2 Unit Risk Factor Generation

This section presents the methods used in generating the URFs. Details of the analyses for each exposure scenario are provided.

B4.2.1 Methods for Unit Risk Factor Evaluation

The URFs were calculated using the most current version of the MEPAS exposure assessment component. The general method for implementation is described in this section (Droppo 1989).

The URFs were evaluated using equations and parameters for each exposure pathway. The equations are structured to take advantage of the SIF concept presented in HSBRAM (DOE-RL 1993a). The concept of SIFs involves structuring the intake equations for each exposure pathway in such a way that contaminant-independent parameters are separated from the contaminant-dependent parameters and the initial media concentrations. Each exposure pathway model can then be described as the product of three factors: a medium concentration, an SIF independent of the contaminant, and a factor composed of all contaminant-dependent parameters. As an example, the drinking water exposure pathway can be described as follows:

$$\text{Intake or Exposure} = C_{mi} PF_{mix} SIF_{smyx} \qquad (1)$$

where:

Intake = Average daily intake of chemical contaminants (mg/kg/d) or total intake or exposure received over the exposure duration (pCi intake or hours of exposure)

C_{mi} = Concentration of contaminant i, in medium m (mg or pCi per unit quantity of medium L, kg, m^3, or m^2)

PF_{mix} = Contaminant-specific factor for medium m, contaminant i, and exposure pathway • (units specific to analysis)

SIF_{smyx} = Summary intake factor for scenario s, medium m, contaminant type y, and exposure pathway • (units specific to analysis).

The SIF values were evaluated for each toxicity type: noncarcinogenic chemicals (nc), carcinogenic chemicals (cc), and radionuclides (ra). The appropriate SIF was used for each contaminant for the exposure pathway of concern.

The MEPAS exposure assessment program allows the user to define SIF values for each exposure pathway. The contaminant-specific parameters are taken from the MEPAS database and combined with the SIF values and unit media concentrations to provide the URFs.

The following sections describe the methodology for calculating URFs. Section B4.2.1.1 identifies the methods used to estimate the health impacts from the intake or exposure to radionuclides evaluated by Equation (1). Section B4.2.1.2 provides similar information for chemicals. Section B4.2.2 defines the SIFs for each scenario. Section B4.2.3 identifies contaminant-specific parameters and analyses applied to each exposure pathway.

B4.2.1.1 Radionuclide Unit Risk Factor Calculation. The average daily intake and lifetime radiation doses were used to estimate the URFs for the health impact measure appropriate to the contaminant. The cancer incidence risk for radionuclides was evaluated as follows for inhalation exposure pathways:

$$URF_{ih} = Intake_{ih} SF_{ih} \tag{2}$$

and for ingestion exposure pathways,

$$URF_{ig} = Intake_{ig} SF_{ig} \tag{3}$$

where:

URF_{ih} = Unit risk factor for the inhalation pathway for radionuclide i (risk per unit medium concentration)

URF_{ig} = Unit risk factor for an ingestion pathway for radionuclide i (risk per unit medium concentration)

$Intake_{ih}$ = Inhalation intake for radionuclide i for the inhalation pathway (pCi)

$Intake_{ig}$ = Ingestion intake for radionuclide i for the ingestion pathway (pCi)

SF_{ih} = Inhalation slope factor for radionuclide i (risk/pCi)

SF_{ig} = Ingestion slope factor for radionuclide i (risk/pCi).

For exposure pathways involving external radiation exposure the URFs were calculated as follows:

$$URF_{ix} = Exposure_{ix}SFix \quad (4)$$

where:

URF_{ix} = Unit risk factor for an external radiation exposure pathway for radionuclide i (risk per unit medium concentration)
$Exposure_{ix}$ = Exposure time for radionuclide i for the external radiation exposure pathway (hr)
SF_{ix} = External exposure slope factor for radionuclide i (risk/hr per pCi/unit medium quantity).

The external slope factors provided in the Health Effects Assessment Summary Tables (EPA 1993) are for use with contaminated soil. For external exposure to air and water, slope factors were generated from radiation dose factors and the health effects conversion factor of 6.2×10^{-4} lifetime cancer risk per rem. For example, the air immersion effective slope factor was evaluated as follows:

$$SF_{ia} = 6.2 \times 10^{-4}\ DF_{ia}$$

where:

SF_{ia} = Air immersion slope factor for radionuclide i (risk/hr per pCi/m^3)
DF_{ia} = Air immersion dose rate factor for radionuclide i (rem/hr per pCi/m^3)
6.2×10^{-4} = Cancer incidence conversion factor (risk/rem).

B4.2.1.2 Chemical Unit Risk Factor Calculation. The intake parameter for chemical exposures is the average daily intake for a chemical by either ingestion or inhalation. For carcinogenic chemicals, the intake is the average over the lifetime of the individual (70 years); and for noncarcinogenic chemicals, this is the average over the exposure duration (20 years for the industrial scenario and 30 years for other scenarios).

The lifetime cancer incidence risk for chemical ingestion exposures was evaluated as follows:

$$URF_{ig} = Intake_{ig}SF_{ig}$$

where:

URF_{ig} = Unit risk factor for chemical carcinogen i from an ingestion exposure pathway g (risk/unit medium concentration)
$Intake_{ig}$ = Average daily intake of chemical i from ingestion pathway g (mg/kg/d)
SF_{ig} = Ingestion slope factor for chemical i (risk per mg/kg/d).

The lifetime cancer incidence risk for inhalation was evaluated in a similar manner, as follows:

$$URF_{ih} = Intake_{ih}\ SF_{ih} \tag{8}$$

where:

URF_{ih} = Unit risk factor for chemical carcinogen i from an inhalation exposure pathway h (risk/unit medium concentration)
$Intake_{ih}$ = Average daily intake of chemical i from inhalation pathway h (mg/kg/d)
SF_{ih} = Inhalation slope factor for chemical i (risk per mg/kg/d).

The health impact parameter for noncarcinogenic chemicals was the hazard index evaluated as follows for ingestion pathways:

$$URF_{ig} = Intake_{ig} / RfD_{ig} \tag{9}$$

where:

URF_{ig} = Unit risk factor for chemical noncarcinogen i from an ingestion exposure pathway g (hazard index/unit medium concentration)
$Intake_{ig}$ = Average daily intake of chemical i from ingestion pathway g (mg/kg/d)
RfD_{ig} = Ingestion reference dose for chemical i (mg/kg/d).

The hazard index for inhalation was evaluated in a similar manner, as follows:

$$URF_{ih} = Intake_{ih} / RfD_{ih}$$

where:

URF_{ih} = Unit risk factor for chemical noncarcinogen i from an inhalation exposure pathway h (hazard index/unit medium concentration)
$Intake_{ih}$ = Average daily intake of chemical i from inhalation pathway h (mg/kg/d)
RfD_{ih} = Inhalation reference dose for chemical i (mg/kg/d).

Dermal exposures were evaluated as equivalent to ingestion exposures with correction for the fractional absorption of the chemical in the gastrointestinal tract. This correction is indicated in Section B4.2.3 in the definition of the contaminant-specific parameters.

Values for radionuclide and chemical slope factors, radiation dose factors, and cancer incidence conversion factors used in these analyses were taken from *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.2 Summary Intake Factor Evaluation

This section discusses SIFs for each exposure scenario. As explained in Section B4.2.1, the SIFs represent contaminant-independent parameters.

B4.2.2.1 Agricultural. The agricultural exposure scenario was based on a 30-year exposure duration. The pathways evaluated for soil per unit mass were soil ingestion, soil dermal absorption, soil resuspension and inhalation, and external exposure to ground contamination. The exposure parameters are listed in Table B4-8, and the SIF values are provided in Table B4-9.

Contamination deposited onto soil by atmospheric transport and deposition was modeled as a concentration per unit area of soil. The pathways evaluated were the same as those for soil per unit mass plus ingestion of fruit, vegetables, meat, and milk. The exposure parameters are listed in Table B4-10, and the SIF values are provided in Table B4-11.

Pathways evaluated for air transport were inhalation, external exposure from immersion in the cloud, and ingestion of fruit, vegetables, meat, and milk. The exposure parameters are listed in Table B4-12, and the SIF values are provided in Table B4-13.

Pathways evaluated for groundwater were drinking water; showering (dermal absorption and ingestion); indoor inhalation of volatile compounds; and ingestion of fruit, vegetables, meat, and milk. The exposure parameters are listed in Table B4-14, and the SIF values are provided in Table B4-15.

Pathways evaluated for surface water were drinking water; showering (dermal absorption and ingestion); indoor inhalation of volatile compounds; exposure related to aquatic recreation (boating, swimming, and shoreline activities); ingestion of fish; and ingestion of fruit, vegetables, meat, and milk. The exposure parameters are listed in Table B4-16, and the SIF values are provided in Table B4-17.

B4.2.2.2 Residential. The residential exposure scenario was based on a 30-year exposure duration. The exposure parameters were identical to those for the agricultural scenario, except that the residential individual was not assumed to consume meat and milk produced on the Site. Ingestion of fruit and vegetables grown in a home garden was included, however. The exposure parameters for each medium are provided in Tables B4-8, B4-10, B4-12, B4-14, and B4-16. The corresponding SIF values for this scenario are provided in Tables B4-18 through B4-22.

B4.2.2.3 Industrial. The industrial exposure scenario was based on a 20-year exposure duration, for a worker with a body weight of 70 kg (154 lb). The exposure parameters for each medium, which differ from the agricultural and residential parameters by the reduced time workers would spend on the Hanford Site, are provided in Tables B4-8, B4-10, B4-12, B4-14, and B4-16. The corresponding SIF values for this scenario are provided in Tables B4-23 through B4-26.

B4.2.2.4 Recreational. The recreational exposure scenario was based on a 30-year exposure duration, 6 years as a child and 24 years as an adult. The exposure parameters for each medium, which differ from the other scenario parameters by the reduced time recreational users would spend on the Hanford Site, are provided in Tables B4-8, B4-10, B4-12, B4-14, and B4-16. The corresponding SIF values for this scenario are provided in Tables B4-27 through B4-31.

B4.2.3 Contaminant-Specific Parameters

The calculation of URFs requires multiplication of the SIF by a contaminant-specific factor as indicated in Equation (1). This section discusses the contaminant-specific factors required for each exposure pathway. The contaminant-specific parameters were evaluated in the same way for all scenarios. Therefore, the exposure pathways are discussed independently of the scenarios.

B4.2.3.1 Drinking Water Ingestion. The drinking water ingestion pathway has two contaminant-specific considerations: the water purification factor and decay during transport from the water pumping station to the domestic-use location. The URF calculations did not use a water purification factor (i.e., the water concentration was not reduced due to treatment). The transport time was set to 0.5 day for drinking water and all domestic use analyses. The decay was evaluated as an exponential reduction in concentration during the transport period based on the half-time for the contaminant in confined water systems (no volatilization loss). For radionuclides the half-time is the radiological half-life.

B4.2.3.2 Dermal Contact - Shower. This pathway involves dermal contact with water while showering with domestic water. The water concentration was evaluated as described for drinking water in Section B4.2.3.1. The daily intake estimation required the skin permeability constant (cm/hr) to estimate the transfer from the skin surface to the blood. In addition, it was necessary to divide the intake estimate by the gastrointestinal absorption factor to convert the dermal intake to an equivalent ingestion intake. The permeability constant and the gastrointestinal absorption factor are described in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.3.3 Water Ingestion - Shower. This pathway involves the inadvertent ingestion of water while showering with domestic water. The water concentration was evaluated as described for drinking water in Section B4.2.3.1. There are no other contaminant-specific parameters or considerations.

B4.2.3.4 Leafy Vegetable Ingestion. This exposure pathway is used to represent the ingestion of home grown vegetables. The contaminant-specific factor includes estimation of the vegetable contaminant concentration from the medium of concern. This medium may be air, soil (from air deposition), or irrigation water (groundwater or surface water). The methods for estimation of plant concentration from the contaminated media are presented in *The Remedial Action Priority System (RAPS): Mathematical Formulations* (Whelan 1987b) and *Supplemental Formulations: The Multimedia Environmental Contaminant Assessment System (MEPAS)* (Droppo 1989). The contaminant-specific parameters involved in this analysis are the soil-to-plant concentration ratio and the atmospheric deposition velocity. Values for these parameters are presented in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994) for each contaminant included in the analyses.

B4.2.3.5 Other Vegetable Ingestion. The "other vegetable" pathway represents vegetable and fruit crops for which the edible portion is not associated with the leaves of the plant. This pathway is used to represent the HSBRAM fruit ingestion exposure pathway. As for the leafy vegetable ingestion pathway, the methods for estimation of plant concentration from the contaminated media are presented in the Remedial Action Priority System (RAPS) (Whelan 1987b) and MEPAS (Droppo 1989). The contaminant-specific parameters are the same as for the leafy vegetable pathway and are described in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.3.6 Meat Ingestion. Evaluation of URFs for the meat pathway requires estimation of contaminant concentrations in meat from animal ingestion of contaminated feeds and water. The contaminant-specific parameters are the soil-to-plant (animal feed) concentration ratio, the animal feed-to-meat transfer factor, and the atmospheric deposition velocity. These parameters are described in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.3.7 Milk Ingestion. The milk ingestion pathway is used to represent the HSBRAM dairy exposure pathway. The analysis requires estimation of contaminant concentrations in cow milk, and is performed in a similar manner to the meat pathway analysis presented in RAPS (Whelan 1987b) and MEPAS (Droppo 1989). The contaminant-specific parameters are the soil-to-plant (animal feed) concentration ratio, the animal feed-to-milk transfer factor, and the atmospheric deposition velocity. These parameters are described in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.3.8 Fish Ingestion. The fish ingestion pathway requires estimation of the concentration of contaminants in edible portions of fish, based on the concentration in surface water. This uses the fish bioaccumulation factor, which is the ratio of contaminant concentration in fish to that in the water. This parameter is described in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.3.9 Water Ingestion - Swimming. Inadvertent ingestion of water while swimming involves direct ingestion of surface water. No contaminant-specific parameters are required.

B4.2.3.10 Dermal Contact - Swimming. Direct contact with surface water while swimming can result in absorption of contaminants through the skin. The absorption estimate requires a value for the skin permeability constant for each contaminant. In addition, it is necessary to divide the intake estimate by the gastrointestinal absorption factor to convert the dermal intake to an equivalent ingestion intake. The permeability constant and the gastrointestinal absorption factors are described in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.3.11 Dermal Contact - Shoreline. The shoreline exposure pathways all require estimation of the contaminant concentration in sediment based on the concentration in surface water. This transfer is estimated using the model of Soldat as described in RAPS (Whelan 1987b). This model estimates the average sediment concentration over a user defined exposure duration. The transfer of contaminants from the sediment to the individual also requires a value for the skin absorption fraction for the contaminant. The skin absorption fraction is the fraction of contaminant on skin that is absorbed into the blood. This parameter is described in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.3.12 Ingestion - Shoreline Sediment. The inadvertent ingestion of sediment while participating in shoreline recreational activities requires an estimate of the shoreline sediment concentration. This is evaluated as described in Section B4.2.3.11. No other contaminant-specific considerations are required.

B4.2.3.13 Ingestion - Soil. The soil concentration is defined at the start of the exposure duration. It is necessary to account for the time variation of soil concentration because of losses by volatilization and radioactive decay. The volatilization loss is estimated using the environmental half-time parameter for soil. The time integral of soil concentration is evaluated over the exposure duration to determine the average soil concentration. The environmental half-time is described in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.3.14 Dermal Contact - Soil. Contaminant-specific considerations for dermal absorption from soil involve the skin absorption fraction and the same considerations for loss by volatilization and radioactive decay as described in Section B4.2.3.13. The skin absorption fraction gives the fraction of contaminant on the skin that is absorbed into the blood. The skin absorption fraction and the environmental half-time are described in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.3.15 Indoor Inhalation - Volatile Contaminants. There are no contaminant-specific considerations for the inhalation pathway, other than the volatilization factor, which is included in the SIFs. The analysis does, however, involve review of the Henry's law constant and molecular weight to determine if the contaminant should be considered volatile. A contaminant is considered volatile if the Henry's Law constant is greater than 1×10^{-5} (atom m^3/g-mole) and the molecular weight is less than 200. Radon-222 is the only radionuclide considered to be volatile. Values for the Henry's Law constant and molecular weights are given for organic compounds in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.3.16 Air Inhalation. There are no contaminant-specific considerations for inhalation of air.

B4.2.3.17 Soil Resuspension Inhalation. The inhalation of resuspended soil involves estimation of the average soil concentration present over the exposure duration. This analysis involves the same considerations for loss by volatilization and radioactive decay as described in Section B4.2.3.13. There are no other contaminant-specific considerations for this pathway. The environmental half-time is described in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

B4.2.3.18 External Exposure - Swimming. There are no contaminant-specific considerations for external exposure to radionuclides while swimming. The radiation dose factors are included in the external exposure slope factors.

B4.2.3.19 External Exposure - Boating. There are no contaminant-specific considerations for external exposure to radionuclides while boating. The radiation dose factors are included in the external exposure slope factors.

B4.2.3.20 External Exposure - Shoreline. This pathway requires an estimate of the average radionuclide concentration in shoreline sediment over the exposure duration, as with the other pathways involving shoreline sediment, see Sections B4.2.3.11 and B4.2.3.12. There are no other contaminant-specific considerations for external exposure to radionuclides on the shoreline. The radiation dose factors are included in the external exposure slope factors.

B4.2.3.21 External Exposure - Soil. This pathway requires an estimate of the average concentration in soil over the exposure duration, as described in Section B4.2.3.13. There are no other contaminant-specific considerations for external exposure to radionuclides in soil. The radiation dose factors are included in the external exposure slope factors.

B4.2.3.22 External Exposure - Air. There are no contaminant-specific considerations for external exposure to radionuclides in air. The radiation dose factors are included in the external exposure slope factors.

B4.3 Unit Risk Factor Results

Results of the URF analyses are summarized in this section. The summary tables present the URF values for each scenario, medium, and contaminant summed over exposure pathways. Tables B4-32 through B4-34 provide the agricultural scenario URFs, Tables B4-35 through B4-37 provide the residential scenario URFs, Tables B4-38 through B4-40 provide the industrial scenario URFs, and Tables B4-41 through B4-43 provide the recreational scenario URFs. Three table are provided for each scenario, one for each of the three contaminant types: carcinogenic chemicals, noncarcinogenic chemicals, and radionuclides.

The units for the URFs are health impacts normalized to unit medium contaminant concentration. The health impact for radionuclides and carcinogenic chemicals is lifetime cancer incidence. For noncarcinogenic chemicals the impact is the hazard index (ratio of average daily intake to reference dose). The contaminant to media concentration units are listed in Table B4-7.

The URFs for individual exposure pathways are provided in *Evaluation of Unit Risk Factors in Support of the Hanford Remedial Action Environmental Impact Statement Graphical Information System* (Strenge and Chamberlain 1994).

Table B4-1. Chemicals Included in URF Analyses.

No.	Chemical Name	MEPAS CAS
1.	Aluminum fluoride	7784181
2.	Aluminum nitrate	13473900
3.	Aluminum (ionic)	7429905
4.	Ammonium carbonate	506876
5.	Ammonium nitrate	6484522
6.	Beryllium (ionic)	7440417
7.	Butyl phosphates	12788931
8.	Cadmium (ionic)	7440439
9.	Calcium carbonate	471341
10.	Calcium (ionic)	7440702
11.	Calcium nitrate	10124375
12.	Carbon tetrachloride	56235
13.	Chromium VI (ionic)	7440473
14.	Copper sulfate	7758987
15.	Copper (ionic)	7440508
16.	Dibutyl phosphonate	1809194
17.	Ferric nitrate	10421484
18.	Ferrocyanide (ionic)	13943583
19.	Ferrous nitrate	13520688
20.	Fluoride (ionic)	7782414
21.	Iron (as ferric ion)	15438310
22.	Lead (ionic)	7439921
23.	Magnesium (ionic)	7786303
24.	Magnesium nitrate	10377603
25.	Mercury (ionic)	7439976
26.	Methyl isobutyl ketone	108101
27.	Nickel (ionic)	7440020
28.	Nitrate	14797558
29.	Nitric acid	7697372
30.	Nitrite	NITRITE
31.	Oxalate (ionic)	144627
32.	Phosphate (ionic)	7601549
33.	Potassium (ionic)	7447407
34.	Potassium borate	7632044
35.	Silver (ionic)	7440224
36.	Sodium (ionic)	7647145
37.	Sodium aluminate	1302427
38.	Sodium dichromate	10588019
39.	Sodium oxalate	62760
40.	Sodium sulfamate	5329146
41.	Sulfate (ionic)	12808798
42.	Sulfuric acid	7664939
43.	Tributyl phosphate	126738
44.	Tributyl phosphonate	78466
45.	Trichloroethylene	79016
46.	Uranium (ionic)	7440611
47.	Zinc (ionic)	764685

Table B4-2. Radionuclides Included in URF Analyses.

No.	Radionuclide Name	No.	Radionuclide Name	No.	Radionuclide Name
1.	Ac-225	35.	I-129	70.	Sb-124
2.	Ac-227	36.	K-40	71.	Sc-46
3.	Ag-110m	37.	Kr-85	72.	Se-75
4.	Am-241	38.	Mn-54	73.	Se-79
5.	Am-243	39.	Mo-93	74.	Sm-147
6.	Au-195	40.	Na-22	75.	Sm-151
7.	Ba-133	41.	Nb-93m	76.	Sn-113
8.	Be-10	42.	Nb-94	77.	Sn-123
9.	Be-7	43.	Nb-95	78.	Sr-85
10.	Bi-210	44.	Ni-59	79.	Sr-90
11.	C-14	45.	Ni-63	80.	Ta-182
12.	Ca-45	46.	Np-237	81.	Tc-99
13.	Cd-109	47.	Np-239	82.	Th-227
14.	Ce-144	48.	Pa-231	83.	Th-228
15.	Cf-250	50.	Pa-233	84.	Th-229
16.	Cf-252	52.	Pb-21	85.	Th-230
17.	Cl-36	53.	Po-210	86.	Th-231
18.	Cm-243	54.	Pu-238	87.	Th-232
19.	Cm-244	55.	Pu-239	88.	Th-234
20.	Cm-245	56.	Pu-240	89.	Tl-204
21.	Cm-246	57.	Pu-241	90.	Tm-170
22.	Cm-248	58.	Pu-242	91.	U-232
23.	Co-57	59.	Ra-223	92.	U-233
24.	Co-58	60.	Ra-224	93.	U-234
25.	Co-60	61.	Ra-225	94.	U-235
26.	Cs-134	62.	Ra-226	95.	U-236
27.	Cs-137	63.	Ra-228	96.	U-238
28.	Es-254	64.	Re-187	97.	V-49
29.	Eu-152	65.	Rn-222	98.	Y-88
30.	Eu-154	66.	Ru-103	99.	Y-90
31.	Eu-155	67.	Ru-106	100.	Zn-65
32.	Fe-55	68.	S-35	101.	Zr-95
33.	Ge-68	69.	Sb-122		
34.	H-3				

Table B4-3. Exposure Pathways Included in Agricultural Scenario URF Analyses.

Medium	Exposure Pathways	Chemicals	Radionuclides
Soil (mass)	Soil ingestion	Yes	Yes
	Soil dermal absorption	Yes	Yes
	Soil resuspension inhalation	Yes	Yes
	External ground dose	No	Yes
Soil (area)	Fruit ingestion	Yes	Yes
	Vegetable ingestion	Yes	Yes
	Meat ingestion	Yes	Yes
	Milk ingestion	Yes	Yes
	Soil dermal absorption	Yes	Yes
	Soil ingestion	Yes	Yes
	Soil resuspension	Yes	Yes
	External ground dose	No	Yes
Air	Fruit ingestion	Yes	Yes
	Vegetable ingestion	Yes	Yes
	Meat ingestion	Yes	Yes
	Milk ingestion	Yes	Yes
	Inhalation	Yes	Yes
	External air dose	No	Yes
Groundwater	Drinking water ingestion	Yes	Yes
	Shower dermal absorption	Yes	Yes
	Shower water ingestion	Yes	Yes
	Fruit ingestion	Yes	Yes
	Vegetable ingestion	Yes	Yes
	Meat ingestion	Yes	Yes
	Milk ingestion	Yes	Yes
	Indoor inhalation of VOCs	Yes	Rn222 only
Surface Water	Drinking water ingestion	Yes	Yes
	Shower dermal absorption	Yes	Yes
	Shower water ingestion	Yes	Yes
	Fruit ingestion	Yes	Yes
	Vegetable ingestion	Yes	Yes
	Meat ingestion	Yes	Yes
	Milk ingestion	Yes	Yes
	Fish ingestion	Yes	Yes
	Swimming water ingestion	Yes	Yes
	Swimming dermal absorption	Yes	Yes
	Swimming external dose	Yes	No
	Shoreline dermal absorption	Yes	Yes
	Shoreline sediment ingestion	Yes	Yes
	Shoreline external dose	Yes	No
	Boating external dose	Yes	No
	Indoor inhalation of VOCs	Yes	Rn222 only

Table B4-4. Exposure Pathways Included in Residential Scenario in URF Analyses.

Medium	Exposure Pathways	Chemicals	Radionuclides
Soil (mass)	Soil ingestion	Yes	Yes
	Soil dermal absorption	Yes	Yes
	Soil resuspension inhalation	Yes	Yes
	External ground dose	No	Yes
Soil (area)	Fruit ingestion	Yes	Yes
	Vegetable ingestion	Yes	Yes
	Soil dermal absorption	Yes	Yes
	Soil ingestion	Yes	Yes
	Soil resuspension	Yes	Yes
	External ground dose	No	Yes
Air	Fruit ingestion	Yes	Yes
	Vegetable ingestion	Yes	Yes
	Inhalation	Yes	Yes
	External air dose	No	Yes
Groundwater	Drinking water ingestion	Yes	Yes
	Shower dermal absorption	Yes	Yes
	Shower water ingestion	Yes	Yes
	Fruit ingestion	Yes	Yes
	Vegetable ingestion	Yes	Yes
	Indoor inhalation of VOCs	Yes	Rn-222 only
Surface Water	Drinking water ingestion	Yes	Yes
	Shower dermal absorption	Yes	Yes
	Shower water ingestion	Yes	Yes
	Fruit ingestion	Yes	Yes
	Vegetable ingestion	Yes	Yes
	Fish ingestion	Yes	Yes
	Swimming water ingestion	Yes	Yes
	Swimming dermal absorption	Yes	Yes
	Swimming external dose	No	Yes
	Shoreline dermal absorption	Yes	Yes
	Shoreline sediment ingestion	Yes	Yes
	Shoreline external dose	No	Yes
	Boating external dose	No	Yes
	Indoor inhalation of VOCs	Yes	Rn222 only

Table B4-5. Exposure Pathways Included in Industrial Scenario URF Analysis.

Medium	Exposure Pathways	Chemicals	Radionuclides
Soil (mass)	Soil ingestion	Yes	Yes
	Soil dermal absorption	Yes	Yes
	Soil resuspension inhalation	Yes	Yes
	External ground dose	No	Yes
Soil (area)	Soil ingestion	Yes	Yes
	Soil dermal contact	Yes	Yes
	Soil resuspension	Yes	Yes
	External exposure	No	Yes
Air	Inhalation	Yes	Yes
	External exposure	No	Yes
Groundwater	Drinking water ingestion	Yes	Yes
	Shower dermal absorption	Yes	Yes
	Shower water ingestion	Yes	Yes
	Indoor inhalation of VOCs	Yes	Rn222 only
Surface Water	Drinking water ingestion	Yes	Yes
	Shower dermal absorption	Yes	Yes
	Shower water ingestion	Yes	Yes
	Indoor inhalation of VOCs	Yes	Rn222 only

Table B4-6. Exposure Pathways Included in Recreational Scenario URF Analyses.

Medium	Exposure Pathways	Chemicals	Radionuclides
Soil (mass)	Soil ingestion	Yes	Yes
	Soil dermal absorption	Yes	Yes
	Soil resuspension inhalation	Yes	Yes
	External ground dose	No	Yes
Soil (area)	Soil ingestion	Yes	Yes
	Soil dermal contact	Yes	Yes
	Soil resuspension	Yes	Yes
	External ground dose	No	Yes
Air	Inhalation	Yes	Yes
	External air dose	No	Air
Groundwater	Drinking water ingestion	Yes	Yes
	Shower dermal absorption	Yes	Yes
	Shower water ingestion	Yes	Yes
	Indoor inhalation of VOCs	Yes	Rn222
Surface Water	Drinking water ingestion	Yes	Yes
	Fish ingestion	Yes	Yes
	Swimming water ingestion	Yes	Yes
	Swimming dermal absorption	Yes	Yes
	Swimming external dose	Yes	No
	Shoreline dermal absorption	Yes	Yes
	Shoreline sediment ingestion	Yes	Yes
	Shoreline external dose	No	Yes
	Boating external dose	No	Yes

Table B4-7. Media Normalization Units.

Medium	Chemicals	Radionuclides
Soil (mass)	mg/kg	pCi/kg
Soil (area)	mg/m^2	pCi/m^2
Air	mg/m^3	pCi/m^3
Groundwater	mg/L	pCi/L
Surface water	mg/L	pCi/L

Table B4-8. Exposure Parameters for Contaminants with Concentrations Estimated per Unit Soil Mass.

Parameter	Value		
	Agricultural/ Residential	Industrial	Recreational
Ingestion rate (child)	200 mg/d	N/A	200 mg/d
Ingestion rate (adult)	100 mg/d	50 mg/d	100 mg/d
Dermal contact rate	1/d	1/d	1/d
Skin area (child)	2,500 cm^2	N/A	2,500 cm^2
Skin area (adult)	5,000 cm^2	5,000 cm^2	5,000 cm^2
Soil air conc.	50 $\mu g/m^3$	50 $\mu g/m^3$	50 $\mu g/cm^3$
Inhalation rate	20 m^3/d	20 m^3/d	20 m^3/d
Exposure duration	30 y	20 y	30 y
Daily exposure freq.	24 h/d	8 h/d	8 h/d
Shielding factor	0.8	0.8	0.8
Annual exposure frequency (except dermal)	365 d/y	146 d/y	7 d/y
Annual exposure frequency (dermal)	180 d/y	N/A	7 d/y
Annual exposure frequency (inhalation)	365 d/y	250 d/y	7 d/y
Soil adherence factor	0.2 mg/cm^2	0.2 mg/cm^2	0.2 mg/cm^2

Table B4-9. Agricultural Scenario Summary Intake Factors: Soil (mass).

Exposure Pathways	Type	SIF Value	Units
Soil Ingestion	NC	3.64 E-06	kg/(kg d)
	CC	1.56 E-06	kg/(kg d)
	RA	1.32 E+00	kg
Soil Dermal Absorption	NC	8.71 E-06	kg/(kg d)
	CC	3.73 E-06	kg/(kg d)
	RA	4.86 E+00	kg
Soil Resuspension	NC	1.43 E-08	kg/(kg d)
	CC	6.12 E-09	kg/(kg d)
	RA	1.10 E-02	kg
Soil external	RA	2.10 E+05	hr

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-10. Exposure Parameters for Contaminants with Concentrations Estimated per Unit Soil Area.

Parameter	Value		
	Agricultural/ Residential	Industrial	Recreational
Ingestion rate (child)	200 mg/d	N/A	200 mg/d
Ingestion rate (adult)	100 mg/d	50 mg/d	100 mg/d
Dermal contact rate	1/d	1/d	1/d
Skin area (child)	2,500 cm^2	N/A	2,500 cm^2
Skin area (adult)	5,000 cm^2	5,000 cm^2	5,000 cm^2
Soil air conc.	50 $\mu g/m^3$	50 $\mu g/m^3$	50 $\mu g/cm^3$
Inhalation rate	20 m^3/d	20 m^3/d	20 m^3/d
Exposure duration	30 y	20 y	30 y
Daily exposure freq.	24 h/d	8 h/d	8 h/d
Shielding factor	0.8	0.8	0.8
Annual exposure frequency (except dermal)	365 d/y	146 d/y	7 d/y
Annual exposure frequency (dermal)	180 d/y	N/A	7 d/y
Annual exposure frequency (inhalation)	365 d/y	250 d/y	7 d/y
Soil adherence factor	0.2 mg/cm^2	0.2 mg/cm^2	0.2 mg/cm^2
Leafy vegetable ingestion rate	80 g/d	N/A	N/A
Fruit ingestion rate	42 g/d	N/A	N/A

Table B4-11. Agricultural Scenario Summary Intake Factors: Soil (area).

Exposure Pathways	Type	SIF Value	Units
Soil Ingestion	NC	6.07 E-08	m^2/(kg d)
	CC	2.60 E-08	m^2/(kg d)
	RA	2.19 E-02	m^2
Soil Dermal	NC	1.45 E-07	m^2 ev/(kg d)
	CC	6.22 E-08	m^2 ev/(kg d)
	RA	8.10 E-02	m^2 ev
Soil Resuspension	NC	2.38 E-10	m^2/(kg d)
	CC	1.02 E-10	m^2/(kg d)
Vegetable Ingestion	NC	1.83 E-04	m^2
	RA	1.14 E-03	kg/(kg d)
	CC	4.90 E-04	kg/(kg d)
	RA	8.77 E+02	kg
Fruit Ingestion	NC	6.00 E-04	kg/(kg d)
	CC	2.57 E-04	kg/(kg d)
	RA	4.60 E+02	kg
Meat Ingestion	NC	1.07 E-03	kg/(kg d)
	CC	4.59 E-04	kg/(kg d)
	RA	8.22 E+02	kg
Milk Ingestion	NC	4.29 E-03	L/(kg d)
	CC	1.84 E-03	L/(kg d)
	RA	3.29 E+03	L
Soil External	RA	2.10 E+05	Z_o

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-12. Exposure Parameters for Contaminants with Concentrations Estimated per Unit Air Volume.

Parameter	Value		
	Agricultural/ Residential	Industrial	Recreational
Inhalation rate	20 m^3/d	20 m^3/d	20 m^3/d
Exposure duration	30 y	20 y	30 y
Daily exposure freq.	24 h/d	8 h/d	24 h/d
Annual exposure frequency (inhalation)	365 d/y	250 d/y	7 d/y
Annual exposure frequency (dermal)	180 d/y	146 d/y	N/A
Leafy vegetable ingestion rate	80 g/d	N/A	N/A
Fruit ingestion rate	42 g/d	N/A	N/A
Meat ingestion rate	75 g/d	N/A	N/A
Milk ingestion rate	300 g/d	N/A	N/A

Table B4-13. Agricultural Scenario Summary Intake Factors: Air.

Exposure Pathways	Type	SIF Value	Units
Inhalation	NC	2.86 E-01	m^3/(kg d)
	CC	1.22 E-01	m^3/(kg d)
	RA	2.19 E+05	m^3
Air External Dose	RA	2.63 E+05	hr
Vegetable Ingestion	NC	1.14 E-03	kg/(kg d)
	CC	4.90 E-04	kg/(kg d)
	RA	8.77 E+02	kg
Fruit Ingestion	NC	6.00 E-04	kg/(kg d)
	CC	2.57 E-04	kg/(kg d)
	RA	4.60 E+02	kg
Meat Ingestion	NC	1.07 E-03	kg/(kg d)
	CC	4.59 E-04	kg/(kg d)
	RA	8.22 E+02	kg
Milk Ingestion	NC	4.29 E-03	L/(kg d)
	CC	1.84 E-03	L/(kg d)
	RA	3.29 E+03	L

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-14. Exposure Parameters for Contaminants with Concentrations Estimated per Unit Groundwater Volume.

Parameter	Value		
	Agricultural/ Residential	Industrial	Recreational
Inhalation rate	15 m^3/d	20 m^3/d	20 m^3/d
Exposure duration	30 y	20 y	30 y
Annual exposure frequency	365 d/y	250 d/y	7 d/y
Leafy vegetable ingestion rate	80 g/d	N/A	N/A
Fruit ingestion rate	42 g/d	N/A	N/A
Meat ingestion rate	75 g/d	N/A	N/A
Milk ingestion rate	300 g/d	N/A	N/A
Water ingestion rate	2 L/d	1 L/d	2 L/d
Shower frequency	1/d	1/d	1/d
Shower duration	10 min	10 min	10 min
Indoor air volatilization factor (chemicals)	0.5	0.5	0.5
Indoor air volatilization factor (Radon-222)	0.1	0.1	0.1
Skin area	20,000 cm^2	20,000 cm^2	20,000 cm^2
Water ingestion during showering	0.01 L/shower	0.01 L/shower	0.01 L/shower

Table B4-15. Agricultural Scenario Summary Intake Factors: Groundwater.

Exposure Pathways	Type	SIF Value	Units
Water Ingestion	NC	2.86 E-02	L/(kg d)
	CC	1.22 E-02	L/(kg d)
	RA	2.19 E+04	L
Water Dermal Absorption	NC	4.86 E-02	L h/(kg d cm)
	CC	2.08 E-02	L h/(kg d cm)
	RA	3.73 E+04	L h/cm
Shower Water Ingestion	NC	1.46 E-04	L/(kg d)
	CC	6.24 E-05	L/(kg d)
	RA	1.12 E+02	L
Indoor Inhalation	NC	1.07 E-01	L/(kg d)
	CC	4.59 E-02	L/(kg d)
	RA	1.64 E+04	L
Vegetable Ingestion	NC	1.14 E-03	kg/(kg d)
	CC	4.90 E-04	kg/(kg d)
	RA	8.77 E+02	kg
Fruit Ingestion	NC	6.00 E-04	kg/(kg d)
	CC	2.57 E-04	kg/(kg d)
	RA	4.60 E+02	kg
Meat Ingestion	NC	1.07 E-03	kg/(kg d)
	CC	4.59 E-04	kg/(kg d)
	RA	8.22 E+02	kg
Milk Ingestion	NC	4.29 E-03	L/(kg d)
	CC	1.84 E-03	L/(kg d)
	RA	3.29 E+03	L

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-16. Exposure Parameters for Contaminants with Concentrations Estimated per Unit Surface Water Volume.

Parameter	Value		
	Agricultural/ Residential	Industrial	Recreational
Inhalation rate	15 m^3/d	20 m^3/d	N/A
Exposure duration	30 y	20 y	30 y
Annual exposure frequency (except recreation)	365 d/y	250 d/y	7 d/y
Annual exposure frequency (recreation)	7 d/y	N/A	7 d/y
Daily exposure frequency	8 h/d	N/A	8 h/d
Leafy vegetable ingestion rate	80 g/d	N/A	N/A
Fruit ingestion rate	42 g/d	N/A	N/A
Fish ingestion rate	27 g/d	N/A	27 g/d
Water ingestion rate	2 L/d	1 L/d	2 L/d
Shower frequency	1/d	1/d	1/d
Shower duration	10 min	10 min	10 min
Indoor air volatilization factor (chemicals)	0.5	0.5	0.5
Indoor air volatilization factor (Radon-222)	0.1	0.1	0.1
Skin area (swimming)	20,000 cm^2	N/A	20,000 cm^2
Skin area (sediment, child)	2,500 cm^2	N/A	2,500 cm^2
Skin area (sediment, adult)	5,000 cm^2	N/A	5,000 cm^2
Water ingestion during showering	0.01 L/shower	0.01 L/shower	0.01 L/shower
Sediment ingestion rate (child)	200 mg/d	N/A	200 mg/d
Sediment ingestion rate (adult)	100 mg/d	N/A	100 mg/d

Table B4-17. Agricultural Scenario Summary Intake Factor: Surface Water.

Exposure Pathways	Type	SIF Value	Units
Water Ingestion	NC	2.86 E-02	L/(kg d)
	CC	1.22 E-02	L/(kg d)
	RA	2.19 E+04	L
Water Dermal Absorption	NC	4.86 E-02	L h/(kg d cm)
	CC	2.08 E-02	L h/(kg d cm)
	RA	3.73 E+04	L h/cm
	NC	1.46 E-04	L/(kg d)
Shower Water Ingestion	CC	6.24 E-05	L/(kg d)
	RA	1.12 E+02	L
Indoor Inhalation	NC	1.07 E-01	L/(kg d)
	CC	4.59 E-02	L/(kg d)
	RA	1.64 E+04	L
Fish Ingestion	NC	3.86 E-04	L/(kg d)
	CC	1.65 E-04	L/(kg d)
	RA	2.96 E+02	L
Swimming Dermal Absorption	NC	1.43 E-02	L h/(kg d cm)
	CC	6.11 E-03	L h/(kg d cm)
	RA	1.09 E+04	L h/cm
Swimming Water Ingestion	NC	7.13 E-05	L/(kg d)
	CC	3.06 E-05	L/(kg d)
	RA	5.47 E+01	L
Swimming External	RA	5.47 E+02	h dose
Shoreline Dermal Absorption	NC	3.39 E-07	kg ev / (kg d)
	RA	2.50 E-02	kg ev
	CC	1.45 E-07	kg ev / (kg d)
Shoreline Sediment Ingestion	NC	6.98 E-08	kg/(kg d)
	CC	2.99 E-08	kg/(kg d)
	RA	2.52 E-02	kg
Shoreline External	RA	1.09 E+02	h dose
Boating External	RA	2.74 E+02	h dose
Vegetable Ingestion	NC	1.14 E-03	kg/(kg d)
	CC	4.90 E-04	kg/(kg d)
	RA	8.77 E+02	kg
Fruit Ingestion	NC	6.00 E-04	kg/(kg d)
	CC	2.57 E-04	kg/(kg d)
	RA	4.60 E+02	kg
Meat Ingestion	NC	1.07 E-03	kg/(kg d)
	CC	4.59 E-04	kg/(kg d)
	RA	8.22 E+02	kg
Milk Ingestion	NC	4.29 E-03	L/(kg d)
	CC	1.84 E-03	L/(kg d)
	RA	3.29 E+03	L

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-18. Residential Scenario Summary Intake Factors: Soil (mass).

Exposure Pathways	Type	SIF Value	Units
Soil Ingestion	NC	3.64 E-06	kg/(kg d)
	CC	1.56 E-06	kg/(kg d)
	RA	1.32 E+00	kg
Soil Dermal Absorption	NC	8.71 E-06	kg/(kg d)
	CC	3.73 E-06	kg/(kg d)
	RA	4.86 E+00	kg
Soil Resuspension	NC	1.43 E-08	kg/(kg d)
	CC	6.12 E-09	kg/(kg d)
	RA	1.10 E-02	kg
Soil External	RA	2.10 E+05	h

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-19. Residential Scenario Summary Intake Factors: Soil (area).

Exposure Pathways	Type	SIF Value	Units
Soil Ingestion	NC	6.07 E-08	m^2/(kg d)
	CC	2.60 E-08	m^2/(kg d)
	RA	2.19 E-02	m^2
Soil Dermal	NC	1.45 E-07	m^2 ev/(kg d)
	CC	6.22 E-08	m^2 ev/(kg d)
	RA	8.10 E-02	m^2 ev
Soil Resuspension	NC	2.38 E-10	m^2/(kg d)
	CC	1.02 E-10	m^2/(kg d)
	RA	1.83 E-04	m^2
Vegetable Ingestion	NC	1.14 E-03	kg/(kg d)
	CC	4.90 E-04	kg/(kg d)
	RA	8.77 E+02	kg
Fruit Ingestion	NC	6.00 E-04	kg/(kg d)
	CC	2.57 E-04	kg/(kg d)
	RA	4.60 E+02	kg
Soil External	RA	2.10 E+05	h

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-20. Residential Scenario Summary Intake Factors: Air.

Exposure Pathways	Type	SIF Value	Units
Inhalation	NC CC RA	2.86 E-01 1.22 E-01 2.19 E+05	m^3/(kg d) m^3/(kg d) m^3
Air External Dose	RA	2.63 E+05	hr
Vegetable Ingestion	NC CC RA	1.14 E-03 4.90 E-04 8.77 E+02	kg/(kg d) kg/(kg d) kg
Fruit Ingestion	NC CC RA	6.00 E-04 2.57 E-04 4.60 E+02	kg/(kg d) kg/(kg d) kg.

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-21. Residential Scenario Summary Intake Factors: Groundwater.

Exposure Pathways	Type	SIF Value	Units
--	NC	2.86 E-02	L/(kg d)
--	CC	1.22 E-02	L/(kg d)
--	RA	2.19 E+04	L
Water Dermal Absorption	NC CC RA	4.86 E-02 2.08 E-02 3.73 E+04	L h/(kg d cm) L h/(kg d cm) L h/cm
Shower Water Ingestion	NC CC RA	1.46 E-04 6.24 E-05 1.12 E+02	L/(kg d) L/(kg d) L
Indoor Inhalation	NC CC RA	1.07 E-01 4.59 E-02 1.64 E+04	L/(kg d) L/(kg d) L
Vegetable Ingestion	NC CC RA	1.14 E-03 4.90 E-04 8.77 E+02	kg/(kg d) kg/(kg d) kg
Fruit Ingestion	NC CC RA	6.00 E-04 2.57 E-04 4.60 E+02	kg/(kg d) kg/(kg d) kg

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-22. Residential Scenario Summary Intake Factors: Surface Water.

Exposure Pathways	Type	SIF Value	Units
Water Ingestion	NC	2.86 E-02	L/(kg d)
	CC	1.22 E-02	L/(kg d)
	RA	2.19 E+04	L
Water Dermal Absorption	NC	4.86 E-02	L h/(kg d cm)
	CC	2.08 E-02	L h/(kg d cm)
	RA	3.73 E+04	L h/cm
Shower Water Ingestion	NC	1.46 E-04	L/(kg d)
	CC	6.24 E-05	L/(kg d)
	RA	1.12 E+02	L
Indoor Inhalation	NC	1.07 E-01	L/(kg d)
	CC	4.59 E-02	L/(kg d)
	RA	1.64 E+04	L
Fish Ingestion	NC	3.86 E-04	L/(kg d)
	CC	1.65 E-04	L/(kg d)
	RA	2.96 E+02	L
Swimming Dermal Absorption	NC	1.43 E-02	L h/(kg d cm)
	CC	6.11 E-03	L h/(kg d cm)
	RA	1.09 E+04	L h/cm
Swimming Water Ingestion	NC	7.13 E-05	L/(kg d)
	CC	3.06 E-05	L/(kg d)
	RA	5.47 E+01	L
Swimming External Dose	RA	5.47 E+02	h
	NC	3.39 E-07	kg ev / (kg d)
	CC	1.45 E-07	kg ev / (kg d)
Shoreline Dermal Absorption	RA	2.50 E-02	kg ev
Shoreline Sediment Ingestion	NC	6.98 E-08	kg/(kg d)
	CC	2.99 E-08	kg/(kg d)
	RA	2.52 E-02	kg
Shoreline External	RA	1.09 E+02	h dose
Boating External	RA	2.74 E+02	h dose
Vegetable Ingestion	NC	1.14 E-03	kg/(kg d)
	CC	4.90 E-04	kg/(kg d)
	RA	8.77 E+02	kg
Fruit Ingestion	NC	6.00 E-04	kg/(kg d)
	CC	2.57 E-04	kg/(kg d)
	RA	4.60 E+02	kg

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-23. Industrial Scenario Summary Intake Factors: Soil (mass).

Exposure Pathways	Type	SIF Value	Units
Soil Ingestion	NC	2.86 E-07	kg/(kg d)
	CC	8.16 E-08	kg/(kg d)
	RA	1.46 E-01	kg
Soil Dermal	NC	5.71 E-06	kg/(kg d)
	CC	1.63 E-06	kg/(kg d)
	RA	2.92 E+00	kg
Soil Resuspension	NC	9.79 E-09	kg/(kg d)
	CC	2.80 E-09	kg/(kg d)
	RA	5.00 E-03	kg
Soil External	RA	1.87 E+04	h

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-24. Industrial Scenario Summary Intake Factors: Soil (area).

Exposure Pathways	Type	SIF Value	Units
Soil Ingestion	NC	4.76 E-09	m^2/(kg d)
	CC	1.36 E-09	m^2/(kg d)
	RA	2.44 E-03	m^2
Soil Dermal	NC	9.52 E-08	m^2 ev/(kg d)
	CC	2.72 E-08	m^2 ev/(kg d)
	RA	4.87 E-02	m^2 ev
Soil Resuspension	NC	1.63 E-10	m^2/(kg d)
	CC	4.66 E-11	m^2/(kg d)
	RA	8.34 E-05	m^2
Soil External	RA	1.87 E+04	h

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-25. Industrial Scenario Summary Intake Factors: Air.

Exposure Pathways	Type	SIF Value	Units
Inhalation	NC	1.96 E-01	m^3/(kg d)
	CC	5.59 E-02	m^3/(kg d)
	RA	1.00 E+05	m^3
Air External Dose	RA	2.34 E+04	hr

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-26. Industrial Scenario Summary Intake Factors: Groundwater and Surface Water.

Exposure Pathways	Type	SIF Value	Units
Water Ingestion	NC	9.79 E-03	L/(kg d)
	CC	2.80 E-03	L/(kg d)
	RA	5.00 E+03	L
Water Dermal Absorption	NC	3.33 E-02	L h/(kg d cm)
	CC	9.51 E-03	L h/(kg d cm)
	RA	1.70 E+04	L h/cm
	NC	9.98 E-05	L/(kg d)
	CC	2.85 E-05	L/(kg d)
	RA	5.10 E+01	L
Shower Water Ingestion	NC	9.79 E-02	L/(kg d)
Indoor Inhalation	CC	2.80 E-02	L/(kg d)
	RA	1.00 E+04	L

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-27. Recreational Scenario Summary Intake Factors: Soil (mass).

Exposure Pathways	Type	SIF Value	Units
Soil Ingestion	NC	6.98 E-08	kg/(kg d)
	CC	3.00 E-08	kg/(kg d)
	RA	2.52 E-02	kg
Soil Dermal Absorption	NC	3.39 E-07	kg/(kg d)
	CC	1.45 E-07	kg/(kg d)
	RA	1.89 E-01	kg
Soil Resuspension	NC	3.39 E-10	kg/(kg d)
	CC	1.45 E-10	kg/(kg d)
	RA	1.89 E-04	kg
Soil External	RA	1.34 E+03	h

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-28. Recreational Scenario Summary Intake Factors: Soil (area).

Exposure Pathways	Type	SIF Value	Units
Soil Ingestion	NC	1.17 E-09	m^2/(kg d)
	CC	5.00 E-10	m^2/(kg d)
	RA	4.20 E-04	m^2
Soil Dermal	NC	5.66 E-09	m^2 ev/(kg d)
	CC	2.43 E-09	m^2 ev/(kg d)
	RA	3.15 E-03	m^2 ev
Soil Resuspension	NC	4.57 E-12	m^2/(kg d)
	CC	1.96 E-12	m^2/(kg d)
	RA	3.50 E-06	m^2
Soil External	RA	1.35 E+03	h

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-29. Recreational Scenario Summary Intake Reactors: Air.

Exposure Pathways	Type	SIF Value	Units
Inhalation	NC	1.96 E-01	m^3/(kg d)
	CC	5.59 E-02	m^3/(kg d)
	RA	1.00 E+05	m^3
Air External Dose	RA	2.34 E+04	hr

CC = Carcinogenic chemical.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-30. Recreational Scenario Summary Intake Factors: Groundwater.

Exposure Pathways	Type	SIF Value	Units
Water Ingestion	NC	5.49 E-04	L/(kg d)
	CC	2.35 E-04	L/(kg d)
	RA	4.21 E+02	L
Water Dermal Absorption	NC	9.33 E-04	L h/(kg d cm)
	CC	4.00 E-04	L h/(kg d cm)
	RA	7.15 E+02	L h/cm
Shower Water Ingestion	NC	4.66 E-07	L/(kg d)
	CC	2.00 E-07	L/(kg d)
	RA	3.58 E-01	L
Indoor Inhalation	NC	2.74 E-03	L/(kg d)
	CC	1.18 E-03	L/(kg d)
	RA	4.21 E+02	L

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-31. Recreational Scenario Summary Intake Factors: Surface Water.

Exposure Pathways	Type	SIF Value	Units
Water Ingestion	NC	5.49 E-04	L/(kg d)
	CC	2.35 E-04	L/(kg d)
	RA	4.21 E+02	L
Fish Ingestion	NC	3.86 E-04	L/(kg d)
	CC	1.65 E-04	L/(kg d)
	RA	2.96 E+02	L
	NC	1.43 E-02	L h/(kg d cm)
Swimming Dermal Absorption	CC	6.11 E-03	L h/(kg d cm)
	RA	1.09 E+04	L h/cm
Swimming Water Ingestion	NC	7.13 E-05	L/(kg d)
	CC	3.06 E-05	L/(kg d)
	RA	5.47 E+01	L
Swimming External	RA	5.47 E+02	h dose
Shoreline Dermal Absorption	NC	3.39 E-07	kg ev / (kg d)
	CC	1.45 E-07	kg ev / (kg d)
	RA	2.50 E-02	kg ev
Shoreline Sediment Ingestion	NC	6.98 E-08	kg/(kg d)
	CC	2.99 E-08	kg/(kg d)
	RA	2.52 E-02	kg
Shoreline External	RA	2.74 E+02	h dose
Boating External	RA	1.09 E+02	h dose

CC = Carcinogenic chemicals.
NC = Noncarcinogenic chemicals.
RA = Radionuclides.

Table B4-32. Agricultural Scenario Noncarcinogenic Chemical URF Sums over Exposure Pathways for Each Medium.

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Aluminum fluoride	1.10 E-03	1.46 E-04	4.27 E+01	1.05 E+01	1.11 E+01
Aluminum nitrate	4.11 E-04	5.50 E-05	3.95 E+01	3.93 E+00	4.12 E+00
Aluminum (ionic)	9.13 E-03	1.24 E-03	4.85 E+02	1.02 E+02	1.13 E+02
Ammonium carbonate	9.17 E-05	1.22 E-05	1.09 E+01	9.59 E-01	9.72 E-01
Ammonium nitrate	4.08 E-05	5.43 E-06	4.82 E+00	4.25 E-01	4.31 E-01
Beryllium (ionic)	1.08 E-03	1.49 E-04	3.00 E+01	9.64 E+00	1.19 E+01
Butyl phosphates	1.87 E-04	8.19 E-04	6.58 E+00	9.02 E-01	9.82 E-01
Cadmium (ionic)	1.08 E-02	6.33 E-03	1.01 E+03	8.99 E+01	2.46 E+02
Calcium carbonate	1.41 E-05	1.88 E-06	1.67 E+00	1.48 E-01	1.50 E-01
Calcium (ionic)	2.17 E-07	2.89 E-08	2.55 E-02	2.26 E-03	2.30 E-03
Calcium nitrate	9.97 E-06	1.33 E-06	1.17 E+00	1.04 E-01	1.06 E-01
Carbon tetrachloride	2.81 E-05	0.00 E+00	4.08 E+02	2.10 E+02	2.93 E+02
Chromium VI (ionic)	2.60 E-02	3.48 E-03	5.01 E+05	1.12 E+01	2.73 E+01
Copper sulfate	3.06 E-04	4.08 E-05	2.92 E+01	3.20 E+00	3.25 E+00
Copper (ionic)	1.22 E-02	2.06 E-02	9.33 E+02	1.64 E+02	2.30 E+02
Dibutyl phosphonate	9.51 E-05	3.88 E-04	3.35 E+00	4.46 E-01	4.89 E-01
Ferric nitrate	1.22 E-04	1.63 E-05	1.45 E+01	1.28 E+00	1.30 E+00
Ferrocyanide (ionic)	2.45 E-05	3.26 E-06	2.89 E+00	2.55 E-01	2.59 E-01
Ferrous nitrate	1.62 E-04	2.17 E-05	1.89 E+01	1.69 E+00	1.71 E+00
Fluoride (ionic)	6.11 E-05	6.04 E-05	1.59 E+01	1.26 E+00	1.33 E+00
Iron (as ferricion)	4.53 E-06	6.24 E-07	3.34 E+01	3.37 E-02	6.27 E-01
Lead (ionic)	2.66 E-03	3.89 E-04	7.83 E+02	2.83 E+01	5.62 E+01
Magnesium (ionic)	2.77 E-07	3.09 E-07	4.09 E+00	1.24 E-03	1.64 E-03
Magnesium nitrate	1.93 E-06	2.58 E-07	2.28 E-01	2.02 E-02	2.04 E-02
Mercury (ionic)	1.37 E-02	1.10 E-01	5.67 E+03	3.24 E+02	1.62 E+03
Methyl isobutylketone	6.35 E-06	3.22 E-04	5.75 E+00	3.08 E+00	3.09 E+00
Nickel (ionic)	1.91 E-04	8.40 E-05	1.14 E+01	2.23 E+00	4.19 E+00
Nitrate	2.29 E-06	1.98 E-03	1.43 E+00	5.55 E-01	3.68 E+01
Nitric acid	1.05 E-04	9.07 E-02	6.54 E+01	2.54 E+01	1.68 E+03
Nitrite	1.08 E-04	1.44 E-05	1.28 E+01	1.13 E+00	1.14 E+00
Oxalate (ionic)	1.42 E-05	1.90 E-06	4.13 E+01	1.28 E-01	1.30 E-01
Phosphate (ionic)	9.98 E-06	5.71 E-04	4.36 E+01	3.93 E-01	5.91 E+01
Potassium (ionic)	7.19 E-09	4.33 E-08	1.86 E-03	1.58 E-04	9.15 E-04
Potassium borate	4.08 E-05	1.10 E-04	6.88 E+00	6.03 E-01	6.10 E-01
Silver (ionic)	7.67 E-04	1.16 E-04	3.59 E+02	2.65 E+01	2.68 E+01
Sodium (ionic)	1.22 E-08	2.25 E-08	9.75 E-03	7.09 E-04	8.39 E-04
Sodium aluminate	1.05 E-04	1.43 E-05	1.10 E+01	1.06 E+00	1.20 E+00
Sodium dichromate	2.60 E-02	3.48 E-03	5.01 E+05	1.12 E+01	2.73 E+01
Sodium oxalate	6.29 E-05	8.38 E-06	4.33 E+01	6.39 E-01	6.48 E-01
Sodium sulfamate	1.83 E-05	2.45 E-06	2.17 E+00	1.92 E-01	1.95 E-01
Sulfate (ionic)	2.55 E-07	2.17 E-06	4.10 E+00	2.27 E-03	6.35 E-03
Sulfuric acid	5.23 E-04	6.98 E-05	6.21 E+01	5.48 E+00	5.55 E+00
Tributyl phosphate	6.19 E-06	0.00 E+00	1.65 E+01	2.30 E+00	1.73 E+01
Tributyl phosphonate	1.03 E-04	0.00 E+00	4.51 E+00	3.33 E-01	1.93 E+00
Trichloroethylene	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Uranium (ionic)	1.28 E-03	2.43 E-04	2.67 E+02	1.41 E+01	2.08 E+01
Zinc (ionic)	1.22 E-05	1.83 E-04	4.41 E+00	3.87 E-01	3.60 E+00

Table B4-33. Agricultural Scenario Carcinogenic Chemical URF Sums over Exposure Pathways for Each Medium.

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Aluminum fluoride	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Aluminum nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Aluminum (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ammonium carbonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ammonium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Beryllium (ionic)	9.97 E-06	1.38 E-06	1.30 E+00	8.88 E-02	1.09 E-01
Butyl phosphates	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Cadmium (ionic)	1.46 E-05	8.54 E-06	1.36 E+00	1.21 E-01	3.33 E-01
Calcium carbonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Calcium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Calcium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Carbon tetrachloride	1.10 E-09	0.00 E+00	6.50 E-03	4.63 E-03	7.87 E-03
Chromium VI (ionic)	7.96 E-05	1.22 E-05	9.56 E+00	9.85 E-01	2.40 E+00
Copper sulfate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Copper (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Dibutyl phosphonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferric nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferrocyanide (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferrous nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Fluoride (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Iron (as ferric ion)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Lead (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Magnesium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Magnesium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Mercury (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Methyl isobutyl ketone	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nickel (ionic)	5.14 E-09	6.85 E-10	1.03 E-01	0.00 E+00	0.00 E+00
Nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nitric acid	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nitrite	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Oxalate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Phosphate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Potassium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Potassium borate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Silver (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium aluminate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium dichromate	7.96 E-05	1.22 E-05	9.56 E+00	9.85 E-01	2.40 E+00
Sodium oxalate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium sulfamate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sulfate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sulfuric acid	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Tributyl phosphate	3.66 E-10	0.00 E+00	9.76 E-06	1.36 E-04	1.02 E-03
Tributyl phosphonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Trichloroethylene	1.49 E-10	0.00 E+00	1.59 E-03	8.32 E-04	8.68 E-04
Uranium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Zinc (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00

Table B4-34. Agricultural Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Ac-225	2.01 E-11	1.15 E-11	5.27 E-04	9.00 E-07	1.00 E-06
Ac-227	6.65 E-08	7.31 E-09	1.93 E-02	3.34 E-04	3.37 E-04
Ag-110m	7.34 E-09	2.66 E-09	2.06 E-05	4.61 E-07	5.14 E-07
Am-241	1.17 E-08	1.56 E-09	7.04 E-03	9.26 E-05	1.11 E-04
Am-243	2.27 E-08	3.07 E-09	7.06 E-03	9.43 E-05	1.13 E-04
Au-195	1.96 E-10	7.68 E-11	1.85 E-06	1.97 E-08	2.75 E-08
Ba-133	8.90 E-09	1.58 E-09	9.86 E-07	3.70 E-08	1.51 E-07
Be-10	4.96 E-11	6.66 E-12	4.84 E-05	8.86 E-08	9.11 E-08
Be-7	2.52 E-11	1.21 E-11	6.70 E-08	8.40 E-10	1.06 E-09
Bi-210	3.41 E-11	3.96 E-14	3.55 E-05	1.21 E-06	1.22 E-06
C-14	2.86 E-12	3.82 E-13	3.08 E-06	1.20 E-07	1.35 E-06
Ca-45	2.96 E-14	5.78 E-13	1.71 E-06	6.21 E-08	7.38 E-08
Cd-109	2.19 E-12	2.80 E-12	1.55 E-05	2.65 E-07	7.34 E-07
Ce-144	1.27 E-10	4.44 E-11	7.52 E-05	2.07 E-07	1.12 E-06
Cf-250	5.12 E-09	9.84 E-10	3.58 E-02	9.05 E-05	1.01 E-04
Cf-252	4.99 E-09	1.89 E-10	2.15 E-02	5.00 E-05	5.50 E-05
Cl-36	7.25 E-11	8.68 E-09	2.14 E-06	2.17 E-06	2.20 E-06
Cm-243	1.19 E-08	1.27 E-09	5.78 E-03	6.69 E-05	8.12 E-05
Cm-244	6.47 E-09	6.19 E-10	4.86 E-03	5.26 E-05	6.46 E-05
Cm-245	1.34 E-08	1.80 E-09	7.07 E-03	9.67 E-05	1.15 E-04
Cm-246	1.21 E-08	1.61 E-09	7.04 E-03	9.49 E-05	1.13 E-04
Cm-248	4.47 E-08	5.96 E-09	2.64 E-02	3.50 E-04	4.19 E-04
Co-57	1.62 E-10	5.78 E-11	1.95 E-06	2.24 E-08	8.02 E-08
Co-58	7.38 E-10	3.43 E-10	2.58 E-06	5.83 E-08	2.20 E-07
Co-60	5.14 E-08	1.11 E-08	3.69 E-05	5.92 E-07	2.35 E-06
Cs-134	1.24 E-08	3.44 E-09	2.69 E-05	2.33 E-06	2.67 E-05
Cs-137	3.46 E-08	5.22 E-09	1.85 E-05	1.61 E-06	1.84 E-05
Es-254	8.81 E-08	1.22 E-09	5.80 E-03	2.48 E-05	2.54 E-05
Eu-152	4.42 E-08	7.48 E-09	2.45 E-05	1.00 E-07	3.16 E-07
Eu-154	3.77 E-08	7.04 E-09	3.12 E-05	1.39 E-07	3.53 E-07
Eu-155	3.32 E-10	7.30 E-11	4.01 E-06	2.05 E-08	2.59 E-08
Fe-55	4.95 E-14	1.42 E-14	2.26 E-07	9.05 E-09	1.69 E-07
Ge-68	3.71 E-09	1.61 E-09	3.34 E-05	2.48 E-06	3.36 E-06
H-3	5.92 E-16	2.79 E-16	3.74 E-08	1.47 E-09	1.49 E-09
I-129	3.50 E-10	3.18 E-10	1.49 E-04	1.26 E-05	4.08 E-05
K-40	1.30 E-08	1.91 E-09	7.30 E-06	6.80 E-07	3.98 E-06
Kr-85	7.42 E-11	1.32 E-11	2.69 E-10	0.00 E+00	3.56 E-10
Mn-54	2.87 E-09	9.84 E-10	1.39 E-06	3.37 E-08	1.83 E-07
Mo-93	5.59 E-10	7.61 E-11	4.45 E-06	8.05 E-08	8.80 E-08
Na-22	2.16 E-08	5.66 E-09	1.48 E-05	1.09 E-06	1.44 E-06
Nb-93m	8.65 E-13	2.21 E-13	4.39 E-06	2.06 E-08	2.95 E-08
Nb-94	1.29 E-07	1.73 E-08	4.94 E-05	2.90 E-07	8.42 E-07
Nb-95	2.89 E-10	1.42 E-10	1.90 E-06	6.65 E-08	1.07 E-07
Ni-59	1.36 E-13	9.98 E-14	1.69 E-07	3.11 E-09	5.82 E-09
Ni-63	3.20 E-13	2.46 E-13	4.37 E-07	8.20 E-09	1.54 E-08

Table B4-34. Agricultural Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Np-237	2.76 E-08	4.54 E-09	6.40 E-03	1.12 E-04	1.28 E-04
Np-239	1.71 E-12	8.57 E-13	3.78 E-07	1.87 E-08	8.84 E-08
Pa-231	3.44 E-08	6.91 E-09	7.95 E-03	2.60 E-04	2.61 E-04
Pa-233	7.02 E-09	1.77 E-11	1.92 E-05	1.15 E-06	1.15 E-06
Pb-210	1.10 E-09	1.67 E-10	9.79 E-04	2.13 E-05	4.09 E-05
Pb-212	7.69 E-12	3.85 E-12	1.10 E-05	5.85 E-08	2.31 E-07
Pm-147	1.79 E-13	5.08 E-14	6.62 E-06	1.35 E-08	1.58 E-08
Po-210	5.15 E-12	2.96 E-12	5.88 E-04	4.91 E-06	2.71 E-05
Pu-238	1.04 E-08	1.28 E-09	8.58 E-03	8.05 E-05	9.72 E-05
Pu-239	1.15 E-08	1.55 E-09	8.36 E-03	9.00 E-05	1.07 E-04
Pu-240	1.15 E-08	1.54 E-09	8.36 E-03	9.00 E-05	1.07 E-04
Pu-241	2.15 E-10	3.59 E-11	7.82 E-05	3.46 E-06	3.73 E-06
Pu-242	1.09 E-08	1.46 E-09	7.92 E-03	8.50 E-05	1.02 E-04
Ra-223	8.46 E-12	4.23 E-12	6.84 E-04	1.62 E-06	2.96 E-06
Ra-224	2.32 E-08	6.03 E-13	2.64 E-04	8.20 E-07	1.61 E-06
Ra-225	5.53 E-09	1.08 E-12	3.33 E-04	1.39 E-06	2.45 E-06
Ra-226	1.44 E-07	1.92 E-08	7.77 E-04	1.05 E-05	1.36 E-05
Ra-228	1.00 E-07	1.72 E-08	8.20 E-04	2.83 E-05	4.75 E-05
Re-187	8.17 E-15	3.53 E-14	8.60 E-09	2.23 E-10	4.33 E-10
Rn-222	6.03 E-12	9.91 E-15	1.03 E-04	6.71 E-06	6.71 E-06
Ru-103	1.86 E-10	9.08 E-11	1.96 E-06	2.50 E-08	5.35 E-08
Ru-106	7.80 E-10	2.58 E-10	9.75 E-05	2.82 E-07	5.69 E-07
S-35	2.36 E-14	9.27 E-13	2.42 E-07	1.96 E-08	6.85 E-08
Sb-122	1.19 E-11	5.97 E-12	8.14 E-07	4.03 E-08	1.59 E-07
Sb-124	1.24 E-09	5.85 E-10	5.30 E-06	8.18 E-08	2.63 E-07
Sc-46	1.83 E-09	8.30 E-10	6.32 E-06	5.06 E-08	1.11 E-07
Se-75	3.07 E-10	1.31 E-10	3.17 E-06	2.52 E-07	5.47 E-07
Se-79	9.35 E-12	4.40 E-12	3.20 E-06	2.48 E-07	5.20 E-07
Sm-147	1.94 E-09	2.59 E-10	1.58 E-03	1.46 E-05	1.48 E-05
Sm-151	8.69 E-13	1.26 E-13	1.92 E-06	8.86 E-09	9.72 E-09
Sn-113	1.22 E-12	5.37 E-13	2.31 E-06	3.63 E-08	8.09 E-07
Sn-123	1.49 E-11	6.35 E-12	5.77 E-06	2.18 E-07	4.84 E-06
Sr-85	2.86 E-10	1.35 E-10	3.94 E-07	2.52 E-08	3.89 E-08
Sr-90	1.06 E-09	4.26 E-10	2.06 E-05	1.38 E-06	1.92 E-06
Ta-182	1.49 E-09	6.42 E-10	9.74 E-06	4.94 E-08	1.52 E-05
Tc-99	1.82 E-12	4.20 E-11	2.66 E-06	9.76 E-08	1.04 E-07
Th-227	4.53 E-09	5.45 E-12	1.07 E-03	1.65 E-06	1.79 E-06
Th-228	2.43 E-07	6.10 E-09	1.71 E-02	4.33 E-05	4.51 E-05
Th-229	7.19 E-08	1.15 E-08	1.69 E-02	3.96 E-04	4.01 E-04
Th-230	7.87 E-09	1.12 E-09	6.48 E-03	6.59 E-05	6.66 E-05
Th-231	2.84 E-12	3.89 E-15	5.55 E-05	3.59 E-06	3.60 E-06
Th-232	4.30 E-08	2.92 E-08	6.27 E-03	3.32 E-04	3.34 E-04
Th-234	8.23 E-10	1.93 E-12	9.61 E-06	2.57 E-07	3.76 E-07
Tl-204	4.19 E-12	9.99 E-13	7.60 E-07	7.17 E-08	1.22 E-07
Tm-170	1.05 E-11	4.47 E-12	3.93 E-06	9.70 E-08	1.22 E-07

Table B4-34. Agricultural Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
U-232	4.17 E-09	2.60 E-08	1.32 E-02	2.34 E-06	3.72 E-06
U-233	3.37 E-10	5.78 E-11	5.94 E-03	1.62 E-06	1.86 E-06
U-234	3.25 E-10	4.60 E-11	5.70 E-03	6.48 E-07	8.89 E-07
U-235	6.12 E-09	8.20 E-10	5.54 E-03	4.22 E-06	4.48 E-06
U-236	3.12 E-10	4.40 E-11	5.48 E-03	6.09 E-07	8.35 E-07
U-238	1.90 E-09	3.55 E-10	1.15 E-02	9.03 E-06	9.46 E-06
V-49	2.33 E-15	1.07 E-15	5.31 E-08	1.26 E-09	1.37 E-09
Y-88	3.62 E-09	1.58 E-09	4.49 E-06	7.97 E-07	8.50 E-07
Y-90	1.99 E-13	9.95 E-14	1.25 E-06	6.44 E-08	8.83 E-08
Zn-65	1.54 E-09	5.94 E-10	9.96 E-06	6.60 E-07	6.96 E-06
Zr-93	2.35 E-12	4.28 E-13	1.67 E-06	3.81 E-08	4.83 E-08

Table B4-35. Residential Scenario Noncarcinogenic Chemical URF Sums over Exposure Pathways for Each Medium.

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Aluminum fluoride	1.10 E-03	1.46 E-04	4.27 E+01	1.05 E+01	1.11 E+01
Aluminum nitrate	4.11 E-04	5.50 E-05	3.95 E+01	3.93 E+00	4.12 E+00
Aluminum (ionic)	9.13 E-03	1.24 E-03	3.92 E+02	9.58 E+01	1.07 E+02
Ammonium carbonate	9.17 E-05	1.22 E-05	1.09 E+01	9.59 E-01	9.72 E-01
Ammonium nitrate	4.08 E-05	5.43 E-06	4.82 E+00	4.25 E-01	4.31 E-01
Beryllium (ionic)	1.08 E-03	1.49 E-04	2.97 E+01	9.61 E+00	1.18 E+01
Butyl phosphates	1.87 E-04	8.19 E-04	6.58 E+00	9.02 E-01	9.81 E-01
Cadmium (ionic)	1.08 E-02	5.66 E-03	8.68 E+02	8.03 E+01	2.37 E+02
Calcium carbonate	1.41 E-05	1.88 E-06	1.67 E+00	1.48 E-01	1.50 E-01
Calcium (ionic)	2.17 E-07	2.89 E-08	2.55 E-02	2.26 E-03	2.30 E-03
Calcium nitrate	9.97 E-06	1.33 E-06	1.17 E+00	1.04 E-01	1.06 E-01
Carbon tetrachloride	2.81 E-05	0.00 E+00	4.08 E+02	2.09 E+02	2.93 E+02
Chromium VI (ionic)	2.60 E-02	3.47 E-03	5.01 E+05	9.61 E+00	2.57 E+01
Copper sulfate	3.06 E-04	4.08 E-05	2.92 E+01	3.20 E+00	3.25 E+00
Copper (ionic)	1.22 E-02	1.34 E-02	5.24 E+02	1.33 E+02	1.99 E+02
Dibutyl phosphonate	9.51 E-05	3.88 E-04	3.35 E+00	4.46 E-01	4.89 E-01
Ferric nitrate	1.22 E-04	1.63 E-05	1.45 E+01	1.28 E+00	1.30 E+00
Ferrocyanide (ionic)	2.45 E-05	3.26 E-06	2.89 E+00	2.55 E-01	2.59 E-01
Ferrous nitrate	1.62 E-04	2.17 E-05	1.89 E+01	1.69 E+00	1.71 E+00
Fluoride (ionic)	6.11 E-05	2.69 E-05	7.23 E+00	6.47 E-01	7.20 E-01
Iron (as ferric ion)	4.53 E-06	6.15 E-07	3.33 E+01	2.99 E-02	6.23 E-01
Lead (ionic)	2.66 E-03	3.88 E-04	7.70 E+02	2.74 E+01	5.54 E+01
Magnesium (ionic)	2.77 E-07	1.92 E-07	4.08 E+00	8.30 E-04	1.23 E-03
Magnesium nitrate	1.93 E-06	2.58 E-07	2.28 E-01	2.02 E-02	2.04 E-02
Mercury (ionic)	1.37 E-02	1.12 E-02	3.82 E+03	1.40 E+02	1.43 E+03
Methyl isobutyl ketone	6.35 E-06	3.22 E-04	5.75 E+00	3.08 E+00	3.09 E+00
Nickel (ionic)	1.91 E-04	6.77 E-05	7.43 E+00	1.94 E+00	3.90 E+00
Nitrate	2.29 E-06	2.64 E-04	2.72 E-01	1.30 E-01	3.63 E+01
Nitric acid	1.05 E-04	1.21 E-02	1.24 E+01	5.91 E+00	1.66 E+03
Nitrite	1.08 E-04	1.44 E-05	1.28 E+01	1.13 E+00	1.14 E+00
Oxalate (ionic)	1.42 E-05	1.90 E-06	4.13 E+01	1.28 E-01	1.30 E-01
Phosphate (ionic)	9.98 E-06	1.08 E-04	4.11 E+01	1.26 E-01	5.88 E+01
Potassium (ionic)	7.19 E-09	1.62 E-08	8.52 E-04	8.12 E-05	8.38 E-04
Potassium borate	4.08 E-05	8.04 E-05	4.82 E+00	4.56 E-01	4.63 E-01
Silver (ionic)	7.67 E-04	1.06 E-04	8.68 E+01	7.78 E+00	8.10 E+00
Sodium (ionic)	1.22 E-08	4.22 E-09	1.45 E-03	1.29 E-04	2.60 E-04
Sodium aluminate	1.05 E-04	1.43 E-05	1.01 E+01	1.00 E+00	1.14 E+00
Sodium dichromate	2.60 E-02	3.47 E-03	5.01 E+05	9.61 E+00	2.57 E+01
Sodium oxalate	6.29 E-05	8.38 E-06	4.33 E+01	6.39 E-01	6.48 E-01
Sodium sulfamate	1.83 E-05	2.45 E-06	2.17 E+00	1.92 E-01	1.95 E-01
Sulfate (ionic)	2.55 E-07	3.31 E-07	4.08 E+00	6.59 E-04	4.74 E-03
Sulfuric acid	5.23 E-04	6.98 E-05	6.21 E+01	5.48 E+00	5.55 E+00
Tributyl phosphate	6.19 E-06	0.00 E+00	1.65 E+01	2.28 E+00	1.73 E+01
Tributyl phosphonate	1.03 E-04	0.00 E+00	4.45 E+00	3.30 E-01	1.93 E+00
Trichloroethylene	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Uranium (ionic)	1.28 E-03	2.37 E-04	2.54 E+02	1.31 E+01	1.98 E+01
Zinc (ionic)	1.22 E-05	2.94 E-05	1.45 E+00	1.39 E-01	3.35 E+00

Table B4-36. Residential Scenario Carcinogenic Chemical URF Sums over Exposure Pathways for Each Medium.

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Aluminum fluoride	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Aluminum nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Aluminum (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ammonium carbonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ammonium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Beryllium (ionic)	9.97 E-06	1.38 E-06	1.30 E+00	8.85 E-02	1.09 E-01
Butyl phosphates	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Cadmium (ionic)	1.46 E-05	7.64 E-06	1.17 E+00	1.08 E-01	3.20 E-01
Calcium carbonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Calcium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Calcium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Carbon tetrachloride	1.10 E-09	0.00 E+00	6.50 E-03	4.63 E-03	7.87 E-03
Chromium VI (ionic)	7.96 E-05	1.17 E-05	7.57 E+00	8.45 E-01	2.26 E+00
Copper sulfate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Copper (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Dibutyl phosphonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferric nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferrocyanide (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferrous nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Fluoride (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Iron (as ferric ion)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Lead (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Magnesium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Magnesium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Mercury (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Methyl isobutylketone	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nickel (ionic)	5.14 E-09	6.85 E-10	1.03 E-01	0.00 E+00	0.00 E+00
Nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nitric acid	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nitrite	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Oxalate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Phosphate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Potassium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Potassium borate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Silver (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium aluminate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium dichromate	7.96 E-05	1.17 E-05	7.57 E+00	8.45 E-01	2.26 E+00
Sodium oxalate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium sulfamate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sulfate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sulfuric acid	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Tributyl phosphate	3.66 E-10	0.00 E+00	9.40 E-06	1.35 E-04	1.02 E-03
Tributyl phosphonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Trichloroethylene	1.49 E-10	0.00 E+00	1.59 E-03	8.32 E-04	8.68 E-04
Uranium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Zinc (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00

Table B4-37. Residential Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Ac-225	2.01 E-11	1.15 E-11	5.27 E-04	9.00 E-07	1.00 E-06
Ac-227	6.65 E-08	7.31 E-09	1.93 E-02	3.34 E-04	3.37 E-04
Ag-110m	7.34 E-09	2.66 E-09	1.59 E-05	1.38 E-07	1.92 E-07
Am-241	1.17 E-08	1.56 E-09	7.04 E-03	9.26 E-05	1.11 E-04
Am-243	2.27 E-08	3.07 E-09	7.06 E-03	9.42 E-05	1.13 E-04
Au-195	1.96 E-10	7.67 E-11	1.85 E-06	1.90 E-08	2.68 E-08
Ba-133	8.90 E-09	1.58 E-09	9.64 E-07	3.55 E-08	1.49 E-07
Be-10	4.96 E-11	6.66 E-12	4.84 E-05	8.81 E-08	9.06 E-08
Be-7	2.52 E-11	1.21 E-11	6.70 E-08	8.37 E-10	1.06 E-09
Bi-210	3.41 E-11	3.96 E-14	3.29 E-05	1.03 E-06	1.04 E-06
C-14	2.86 E-12	3.82 E-13	6.78 E-07	7.04 E-08	1.30 E-06
Ca-45	2.96 E-14	2.40 E-13	1.22 E-06	2.88 E-08	4.06 E-08
Cd-109	2.19 E-12	2.51 E-12	1.51 E-05	2.37 E-07	7.05 E-07
Ce-144	1.27 E-10	4.44 E-11	7.52 E-05	2.05 E-07	1.12 E-06
Cf-250	5.12 E-09	9.65 E-10	3.58 E-02	8.96 E-05	9.97 E-05
Cf-252	4.99 E-09	1.85 E-10	2.15 E-02	4.94 E-05	5.45 E-05
Cl-36	7.25 E-11	1.37 E-09	5.12 E-07	5.97 E-07	6.24 E-07
Cm-243	1.19 E-08	1.27 E-09	5.78 E-03	6.68 E-05	8.12 E-05
Cm-244	6.47 E-09	6.19 E-10	4.86 E-03	5.26 E-05	6.46 E-05
Cm-245	1.34 E-08	1.80 E-09	7.07 E-03	9.66 E-05	1.15 E-04
Cm-246	1.21 E-08	1.61 E-09	7.04 E-03	9.49 E-05	1.13 E-04
Cm-248	4.47 E-08	5.96 E-09	2.64 E-02	3.50 E-04	4.19 E-04
Co-57	1.62 E-10	5.77 E-11	1.87 E-06	1.68 E-08	7.46 E-08
Co-58	7.38 E-10	3.43 E-10	2.40 E-06	4.49 E-08	2.07 E-07
Co-60	5.14 E-08	1.11 E-08	3.49 E-05	4.42 E-07	2.20 E-06
Cs-134	1.24 E-08	3.44 E-09	1.09 E-05	1.20 E-06	2.56 E-05
Cs-137	3.46 E-08	5.20 E-09	7.40 E-06	8.29 E-07	1.76 E-05
Es-254	8.81 E-08	1.22 E-09	5.79 E-03	2.38 E-05	2.44 E-05
Eu-152	4.42 E-08	7.48 E-09	2.45 E-05	9.87 E-08	3.15 E-07
Eu-154	3.77 E-08	7.04 E-09	3.12 E-05	1.37 E-07	3.50 E-07
Eu-155	3.32 E-10	7.30 E-11	4.01 E-06	2.01 E-08	2.55 E-08
Fe-55	4.95 E-14	1.35 E-14	2.14 E-07	8.04 E-09	1.68 E-07
Ge-68	3.71 E-09	1.30 E-09	7.31 E-06	2.55 E-08	9.05 E-07
H-3	5.92 E-16	2.79 E-16	2.52 E-08	1.25 E-09	1.27 E-09
I-129	3.50 E-10	1.49 E-10	4.80 E-05	5.63 E-06	3.38 E-05
K-40	1.30 E-08	1.80 E-09	2.94 E-06	3.50 E-07	3.65 E-06
Kr-85	7.42 E-11	1.32 E-11	2.69 E-10	0.00 E+00	3.56 E-10
Mn-54	2.87 E-09	9.84 E-10	1.37 E-06	3.23 E-08	1.82 E-07
Mo-93	5.59 E-10	7.56 E-11	4.08 E-06	5.34 E-08	6.08 E-08
Na-22	2.16 E-08	5.65 E-09	2.05 E-06	2.00 E-07	5.43 E-07
Nb-93m	8.65 E-13	1.51 E-13	4.18 E-06	4.50 E-09	1.34 E-08
Nb-94	1.29 E-07	1.73 E-08	4.64 E-05	6.37 E-08	6.15 E-07
Nb-95	2.89 E-10	1.42 E-10	1.25 E-06	1.77 E-08	5.87 E-08
Ni-59	1.36 E-13	7.70 E-14	1.63 E-07	2.70 E-09	5.41 E-09
Ni-63	3.20 E-13	1.90 E-13	4.22 E-07	7.13 E-09	1.43 E-08

Table B4-37. Residential Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Np-237	2.76 E-08	4.54 E-09	6.40 E-03	1.12 E-04	1.28 E-04
Np-239	1.71 E-12	8.57 E-13	3.76 E-07	1.85 E-08	8.82 E-08
Pa-231	3.44 E-08	6.91 E-09	7.94 E-03	2.60 E-04	2.61 E-04
Pa-233	7.02 E-09	1.77 E-11	1.79 E-05	1.06 E-06	1.06 E-06
Pb-210	1.10 E-09	1.65 E-10	9.68 E-04	2.05 E-05	4.01 E-05
Pb-212	7.69 E-12	3.85 E-12	1.10 E-05	5.85 E-08	2.31 E-07
Pm-147	1.79 E-13	5.01 E-14	6.61 E-06	1.32 E-08	1.56 E-08
Po-210	5.15 E-12	2.91 E-12	5.85 E-04	4.73 E-06	2.69 E-05
Pu-238	1.04 E-08	1.28 E-09	8.58 E-03	8.05 E-05	9.71 E-05
Pu-239	1.15 E-08	1.55 E-09	8.36 E-03	9.00 E-05	1.07 E-04
Pu-240	1.15 E-08	1.54 E-09	8.36 E-03	9.00 E-05	1.07 E-04
Pu-241	2.15 E-10	3.59 E-11	7.82 E-05	3.46 E-06	3.73 E-06
Pu-242	1.09 E-08	1.46 E-09	7.92 E-03	8.50 E-05	1.02 E-04
Ra-223	8.46 E-12	4.23 E-12	6.83 E-04	1.58 E-06	2.91 E-06
Ra-224	2.32 E-08	6.03 E-13	2.64 E-04	8.11 E-07	1.60 E-06
Ra-225	5.53 E-09	1.08 E-12	3.32 E-04	1.34 E-06	2.41 E-06
Ra-226	1.44 E-07	1.92 E-08	7.63 E-04	9.54 E-06	1.26 E-05
Ra-228	1.00 E-07	1.72 E-08	7.98 E-04	2.68 E-05	4.60 E-05
Re-187	8.17 E-15	2.34 E-14	8.06 E-09	1.82 E-10	3.93 E-10
Rn-222	6.03 E-12	9.89 E-15	9.13 E-05	5.91 E-06	5.91 E-06
Ru-103	1.86 E-10	9.08 E-11	1.96 E-06	2.48 E-08	5.33 E-08
Ru-106	7.80 E-10	2.58 E-10	9.75 E-05	2.79 E-07	5.66 E-07
S-35	2.36 E-14	1.34 E-13	6.29 E-08	6.30 E-09	5.51 E-08
Sb-122	1.19 E-11	5.97 E-12	8.13 E-07	4.03 E-08	1.59 E-07
Sb-124	1.24 E-09	5.85 E-10	5.28 E-06	8.06 E-08	2.62 E-07
Sc-46	1.83 E-09	8.30 E-10	6.29 E-06	4.78 E-08	1.09 E-07
Se-75	3.07 E-10	1.31 E-10	1.95 E-06	1.66 E-07	4.60 E-07
Se-79	9.35 E-12	2.70 E-12	1.95 E-06	1.59 E-07	4.31 E-07
Sm-147	1.94 E-09	2.59 E-10	1.58 E-03	1.46 E-05	1.48 E-05
Sm-151	8.69 E-13	1.25 E-13	1.92 E-06	8.77 E-09	9.63 E-09
Sn-113	1.22 E-12	5.28 E-13	2.17 E-06	2.49 E-08	7.97 E-07
Sn-123	1.49 E-11	6.29 E-12	4.95 E-06	1.49 E-07	4.77 E-06
Sr-85	2.86 E-10	1.35 E-10	3.42 E-07	2.16 E-08	3.53 E-08
Sr-90	1.06 E-09	3.71 E-10	1.78 E-05	1.17 E-06	1.72 E-06
Ta-182	1.49 E-09	6.42 E-10	9.74 E-06	4.92 E-08	1.52 E-05
Tc-99	1.82 E-12	1.57 E-11	1.97 E-06	4.44 E-08	5.05 E-08
Th-227	4.53 E-09	5.45 E-12	1.07 E-03	1.60 E-06	1.74 E-06
Th-228	2.43 E-07	6.10 E-09	1.71 E-02	4.33 E-05	4.51 E-05
Th-229	7.19 E-08	1.15 E-08	1.69 E-02	3.96 E-04	4.01 E-04
Th-230	7.87 E-09	1.12 E-09	6.47 E-03	6.49 E-05	6.56 E-05
Th-231	2.84 E-12	3.89 E-15	5.42 E-05	3.50 E-06	3.51 E-06
Th-232	4.30 E-08	2.92 E-08	6.25 E-03	3.30 E-04	3.33 E-04
Th-234	8.23 E-10	1.93 E-12	9.10 E-06	2.23 E-07	3.41 E-07
Tl-204	4.19 E-12	9.94 E-13	4.76 E-07	4.99 E-08	1.00 E-07
Tm-170	1.05 E-11	4.46 E-12	3.90 E-06	9.52 E-08	1.20 E-07

Table B4-37. Residential Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Th-231	2.84 E-12	3.89 E-15	5.42 E-05	3.50 E-06	3.51 E-06
Th-232	4.30 E-08	2.92 E-08	6.25 E-03	3.30 E-04	3.33 E-04
Th-234	8.23 E-10	1.93 E-12	9.10 E-06	2.23 E-07	3.41 E-07
Tl-204	4.19 E-12	9.94 E-13	4.76 E-07	4.99 E-08	1.00 E-07
Tm-170	1.05 E-11	4.46 E-12	3.90 E-06	9.52 E-08	1.20 E-07
U-232	4.17 E-09	2.60 E-08	1.32 E-02	2.24 E-06	3.62 E-06
U-233	3.37 E-10	5.75 E-11	5.94 E-03	1.53 E-06	1.77 E-06
U-234	3.25 E-10	4.58 E-11	5.70 E-03	6.13 E-07	8.54 E-07
U-235	6.12 E-09	8.20 E-10	5.54 E-03	4.09 E-06	4.35 E-06
U-236	3.12 E-10	4.38 E-11	5.48 E-03	5.77 E-07	8.02 E-07
U-238	1.90 E-09	3.55 E-10	1.15 E-02	7.94 E-06	8.37 E-06
V-49	2.33 E-15	1.02 E-15	5.10 E-08	1.11 E-09	1.23 E-09
Y-88	3.62 E-09	1.58 E-09	4.49 E-06	7.96 E-07	8.50 E-07
Y-90	1.99 E-13	9.95 E-14	1.25 E-06	6.44 E-08	8.83 E-08
Zn-65	1.54 E-09	5.68 E-10	4.48 E-06	2.49 E-07	6.55 E-06
Zr-93	2.35 E-12	3.93 E-13	1.46 E-06	2.18 E-08	3.20 E-08

Table B4-38. Industrial Scenario Noncarcinogenic Chemical URF Sums over Exposure Pathways for Each Medium.

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Aluminum fluoride	2.09 E-04	1.92 E-05	4.45 E+00	3.21 E+00	3.21 E+00
Aluminum nitrate	7.88 E-06	7.22 E-07	1.78 E+00	1.19 E-01	1.19 E-01
Aluminum (ionic)	7.35 E-04	6.74 E-05	1.40 E+02	2.45 E+01	2.45 E+01
Ammonium carbonate	7.53 E-06	6.91 E-07	4.89 E+00	2.46 E-01	2.46 E-01
Ammonium nitrate	3.34 E-06	3.07 E-07	2.17 E+00	1.10 E-01	1.10 E-01
Beryllium (ionic)	2.86 E-04	2.62 E-05	0.00 E+00	3.29 E+00	3.29 E+00
Butyl phosphates	9.11 E-05	8.35 E-06	2.97 E+00	1.50 E-01	1.50 E-01
Cadmium (ionic)	2.88 E-03	2.64 E-04	3.91 E+02	2.10 E+01	2.10 E+01
Calcium carbonate	1.16 E-06	1.06 E-07	7.53 E-01	3.78 E-02	3.78 E-02
Calcium (ionic)	1.85 E-08	1.70 E-09	1.15 E-02	5.83 E-04	5.83 E-04
Calcium nitrate	8.50 E-07	7.79 E-08	5.29 E-01	2.67 E-02	2.67 E-02
Carbon tetrachloride	2.05 E-05	0.00 E+00	2.80 E+02	1.55 E+02	1.55 E+02
Chromium VI (ionic)	1.74 E-02	1.59 E-03	3.43 E+05	3.29 E+00	3.29 E+00
Copper sulfate	2.53 E-05	2.32 E-06	1.15 E+01	8.22 E-01	8.22 E-01
Copper (ionic)	9.91 E-04	9.09 E-05	1.96 E+01	3.29 E+01	3.29 E+01
Dibutyl phosphonate	4.63 E-05	4.24 E-06	1.51 E+00	7.60 E-02	7.60 E-02
Ferric nitrate	1.00 E-05	9.20 E-07	6.52 E+00	3.28 E-01	3.28 E-01
Ferrocyanide (ionic)	2.00 E-06	1.84 E-07	1.30 E+00	6.55 E-02	6.55 E-02
Ferrous nitrate	1.53 E-05	1.41 E-06	8.51 E+00	4.40 E-01	4.40 E-01
Fluoride (ionic)	5.02 E-06	4.61 E-07	3.26 E+00	1.64 E-01	1.64 E-01
Iron (as ferric ion)	1.40 E-06	1.28 E-07	2.28 E+01	7.80 E-03	7.80 E-03
Lead (ionic)	2.47 E-04	2.26 E-05	4.55 E+02	7.00 E+00	7.00 E+00
Magnesium (ionic)	1.46 E-07	1.33 E-08	2.80 E+00	1.98 E-04	1.98 E-04
Magnesium nitrate	1.58 E-07	1.45 E-08	1.03 E-01	5.18 E-03	5.18 E-03
Mercury (ionic)	2.02 E-03	1.85 E-04	2.28 E+03	3.82 E+01	3.82 E+01
Methyl isobutyl ketone	4.63 E-06	1.18 E-06	3.91 E+00	2.16 E+00	2.16 E+00
Nickel (ionic)	2.00 E-05	1.83 E-06	0.00 E+00	4.93 E-01	4.93 E-01
Nitrate	1.89 E-07	1.73 E-08	1.22 E-01	6.15 E-03	6.15 E-03
Nitric acid	8.60 E-06	7.89 E-07	5.59 E+00	2.81 E-01	2.81 E-01
Nitrite	8.86 E-06	8.12 E-07	5.76 E+00	2.89 E-01	2.89 E-01
Oxalate (ionic)	2.37 E-06	2.17 E-07	2.80 E+01	3.28 E-02	3.28 E-02
Phosphate (ionic)	2.04 E-06	1.86 E-07	2.80 E+01	2.14 E-02	2.14 E-02
Potassium (ionic)	5.90 E-10	5.42 E-11	3.84 E-04	1.92 E-05	1.92 E-05
Potassium borate	3.34 E-06	3.07 E-07	2.17 E+00	1.10 E-01	1.10 E-01
Silver (ionic)	8.20 E-05	7.52 E-06	3.91 E+01	2.04 E+00	2.04 E+00
Sodium (ionic)	1.00 E-09	9.20 E-11	6.52 E-04	3.28 E-05	3.28 E-05
Sodium aluminate	2.02 E-05	1.85 E-06	4.55 E+00	3.06 E-01	3.06 E-01
Sodium dichromate	1.74 E-02	1.59 E-03	3.43 E+05	3.29 E+00	3.29 E+00
Sodium oxalate	6.26 E-06	5.74 E-07	2.80 E+01	1.64 E-01	1.64 E-01
Sodium sulfamate	1.51 E-06	1.38 E-07	9.79 E-01	4.91 E-02	4.91 E-02
Sulfate (ionic)	1.44 E-07	1.32 E-08	2.80 E+00	1.39 E-04	1.39 E-04
Sulfuric acid	4.30 E-05	3.94 E-06	2.80 E+01	1.41 E+00	1.41 E+00
Tributyl phosphate	4.51 E-06	0.00 E+00	1.12 E+01	6.18 E-01	6.18 E-01
Tributyl phosphonate	5.01 E-05	0.00 E+00	1.63 E+00	8.17 E-02	8.17 E-02
Trichloroethylene	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Uranium (ionic)	1.40 E-04	1.29 E-05	1.40 E+02	3.49 E+00	3.49 E+00
Zinc (ionic)	1.02 E-06	9.38 E-08	6.52 E-01	3.28 E-02	3.28 E-02

Table B4-39. Industrial Scenario Carcinogenic Chemical URF Sums over Exposure Pathways for Each Medium.

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Aluminum fluoride	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Aluminum nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Aluminum (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ammonium carbonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ammonium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Beryllium (ionic)	1.77 E-06	1.63 E-07	4.70 E-01	2.03 E-02	2.03 E-02
Butyl phosphates	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Cadmium (ionic)	2.59 E-06	2.38 E-07	3.52 E-01	1.89 E-02	1.89 E-02
Calcium carbonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Calcium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Calcium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Carbon tetrachloride	5.33 E-10	0.00 E+00	2.96 E-03	1.87 E-03	1.87 E-03
Chromium VI (ionic)	1.02 E-05	9.31 E-07	2.29 E+00	1.92 E-01	1.92 E-01
Copper sulfate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Copper (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Dibutyl phosphonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferric nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferrocyanide (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferrous nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Fluoride (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Iron (as ferric ion)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Lead (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Magnesium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Magnesium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Mercury (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Methyl isobutyl ketone	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nickel (ionic)	2.35 E-09	2.15 E-10	4.70 E-02	0.00 E+00	0.00 E+00
Nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nitric acid	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nitrite	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Oxalate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Phosphate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Potassium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Potassium borate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Silver (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium aluminate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium dichromate	1.02 E-05	9.31 E-07	2.29 E+00	1.92 E-01	1.92 E-01
Sodium oxalate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium sulfamate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sulfate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sulfuric acid	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Tributyl phosphate	1.77 E-10	0.00 E+00	0.00 E+00	2.44 E-05	2.44 E-05
Tributyl phosphonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Trichloroethylene	7.24 E-11	0.00 E+00	7.27 E-04	4.18 E-04	4.18 E-04
Uranium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Zinc (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00

Table B4-40. Industrial Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Radionuclide	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Ac-225	2.76 E-12	9.19 E-13	2.40 E-04	3.06 E-07	3.06 E-07
Ac-227	2.79 E-08	2.16 E-09	8.81 E-03	1.50 E-04	1.50 E-04
Ag-110m	9.79 E-10	2.35 E-10	6.94 E-06	2.43 E-08	2.43 E-08
Am-241	6.80 E-09	6.27 E-10	3.20 E-03	4.02 E-05	4.02 E-05
Am-243	7.84 E-09	7.22 E-10	3.20 E-03	4.02 E-05	4.02 E-05
Au-195	2.61 E-11	6.78 E-12	8.08 E-07	3.29 E-09	3.29 E-09
Ba-133	1.01 E-09	1.14 E-10	3.63 E-07	6.09 E-09	6.09 E-09
Be-10	5.60 E-12	5.13 E-13	2.20 E-05	1.60 E-08	1.60 E-08
Be-7	3.37 E-12	1.07 E-12	2.75 E-08	1.54 E-10	1.54 E-10
Bi-210	5.13 E-12	3.87 E-15	8.01 E-06	7.75 E-09	7.75 E-09
C-14	2.84 E-13	2.59 E-14	6.41 E-10	4.53 E-09	4.53 E-09
Ca-45	5.94 E-15	1.58 E-15	5.11 E-07	5.03 E-09	5.03 E-09
Cd-109	6.77 E-13	1.38 E-13	6.51 E-06	4.21 E-08	4.21 E-08
Ce-144	1.70 E-11	3.95 E-12	3.40 E-05	4.27 E-08	4.27 E-08
Cf-250	3.08 E-09	3.37 E-10	1.63 E-02	2.98 E-05	2.98 E-05
Cf-252	2.39 E-09	7.51 E-11	9.74 E-03	1.39 E-05	1.39 E-05
Cl-36	6.51 E-12	5.96 E-13	1.40 E-07	9.06 E-09	9.06 E-09
Cm-243	5.03 E-09	3.97 E-10	2.60 E-03	2.74 E-05	2.74 E-05
Cm-244	3.75 E-09	2.75 E-10	2.20 E-03	2.19 E-05	2.19 E-05
Cm-245	7.19 E-09	6.63 E-10	3.20 E-03	4.13 E-05	4.13 E-05
Cm-246	7.07 E-09	6.48 E-10	3.20 E-03	4.13 E-05	4.13 E-05
Cm-248	2.61 E-08	2.39 E-09	1.20 E-02	1.53 E-04	1.53 E-04
Co-57	2.16 E-11	5.08 E-12	8.22 E-07	2.92 E-09	2.92 E-09
Co-58	9.84 E-11	3.05 E-11	9.90 E-07	8.04 E-09	8.04 E-09
Co-60	6.48 E-09	8.67 E-10	1.50 E-05	7.54 E-08	7.54 E-08
Cs-134	1.65 E-09	2.93 E-10	2.81 E-06	2.06 E-07	2.06 E-07
Cs-137	3.42 E-09	3.39 E-10	1.90 E-06	1.41 E-07	1.41 E-07
Es-254	8.47 E-09	1.23 E-10	2.55 E-03	4.02 E-06	4.02 E-06
Eu-152	4.81 E-09	5.23 E-10	1.10 E-05	2.74 E-08	2.74 E-08
Eu-154	4.40 E-09	5.18 E-10	1.40 E-05	3.71 E-08	3.71 E-08
Eu-155	4.24 E-11	5.78 E-12	1.80 E-06	5.41 E-09	5.41 E-09
Fe-55	1.04 E-14	1.71 E-15	8.41 E-08	1.41 E-09	1.41 E-09
Ge-68	4.95 E-10	1.14 E-10	3.26 E-06	4.39 E-09	4.39 E-09
H-3	1.03 E-16	3.25 E-17	7.81 E-09	2.71 E-10	2.71 E-10
I-129	3.76 E-11	3.44 E-12	1.20 E-05	9.55 E-07	9.55 E-07
K-40	1.15 E-09	1.06 E-10	7.63 E-07	5.53 E-08	5.53 E-08
Kr-85	8.38 E-12	9.48 E-13	2.77 E-11	0.00 E+00	0.00 E+00
Mn-54	3.82 E-10	8.65 E-11	5.39 E-07	5.61 E-09	5.61 E-09
Mo-93	4.98 E-11	4.56 E-12	1.76 E-06	8.84 E-09	8.84 E-09
Na-22	2.87 E-09	4.75 E-10	5.01 E-07	3.42 E-08	3.42 E-08
Nb-93m	1.49 E-13	1.62 E-14	1.90 E-06	7.94 E-10	7.94 E-10
Nb-94	1.15 E-08	1.06 E-09	2.10 E-05	1.14 E-08	1.14 E-08
Nb-95	3.85 E-11	1.26 E-11	5.18 E-07	3.32 E-09	3.32 E-09
Ni-59	2.17 E-14	1.99 E-15	7.01 E-08	4.59 E-10	4.59 E-10
Ni-63	5.22 E-14	4.91 E-15	1.80 E-07	1.21 E-09	1.21 E-09

Table B4-40. Industrial Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Radionuclide	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Np-237	9.44 E-09	9.21 E-10	2.90 E-03	4.86 E-05	4.86 E-05
Np-239	2.29 E-13	7.62 E-14	1.61 E-07	4.11 E-09	4.11 E-09
Pa-231	2.03 E-08	2.28 E-09	3.60 E-03	1.16 E-04	1.16 E-04
Pa-233	7.00 E-10	1.57 E-12	8.63 E-07	4.95 E-09	4.95 E-09
Pb-210	1.80 E-10	1.82 E-11	4.00 E-04	3.31 E-06	3.31 E-06
Pb-212	1.03 E-12	3.42 E-13	5.01 E-06	1.33 E-08	1.33 E-08
Pm-147	1.00 E-13	1.66 E-14	3.00 E-06	3.45 E-09	3.45 E-09
Po-210	1.89 E-12	5.22 E-13	2.60 E-04	9.50 E-07	9.50 E-07
Pu-238	6.03 E-09	5.26 E-10	3.90 E-03	3.48 E-05	3.48 E-05
Pu-239	6.74 E-09	6.18 E-10	3.80 E-03	3.92 E-05	3.92 E-05
Pu-240	6.74 E-09	6.17 E-10	3.80 E-03	3.92 E-05	3.92 E-05
Pu-241	1.27 E-10	1.36 E-11	2.30 E-05	7.46 E-07	7.46 E-07
Pu-242	6.37 E-09	5.84 E-10	3.60 E-03	3.70 E-05	3.70 E-05
Ra-223	1.16 E-12	3.87 E-13	3.10 E-04	3.22 E-07	3.22 E-07
Ra-224	3.03 E-09	5.50 E-14	1.20 E-04	1.77 E-07	1.77 E-07
Ra-225	4.80 E-10	9.50 E-14	1.50 E-04	2.61 E-07	2.61 E-07
Ra-226	1.28 E-08	1.18 E-09	3.00 E-04	6.59 E-07	6.59 E-07
Ra-228	8.90 E-09	1.34 E-09	3.15 E-04	4.53 E-06	4.53 E-06
Re-187	1.06 E-15	9.70 E-17	3.38 E-09	2.97 E-11	2.97 E-11
Rn-222	8.03 E-13	9.31 E-16	9.02 E-08	1.31 E-08	1.31 E-08
Ru-103	2.48 E-11	8.07 E-12	8.45 E-07	4.57 E-09	4.57 E-09
Ru-106	1.04 E-10	2.26 E-11	4.40 E-05	4.87 E-08	4.87 E-08
S-35	3.27 E-15	9.85 E-16	1.90 E-08	1.11 E-09	1.11 E-09
Sb-122	1.59 E-12	5.30 E-13	3.44 E-07	8.83 E-09	8.83 E-09
Sb-124	1.65 E-10	5.19 E-11	2.22 E-06	1.45 E-08	1.45 E-08
Sc-46	2.43 E-10	7.37 E-11	2.72 E-06	9.24 E-09	9.24 E-09
Se-75	4.09 E-11	1.16 E-11	6.05 E-07	2.91 E-08	2.91 E-08
Se-79	1.03 E-12	9.43 E-14	6.11 E-07	2.72 E-08	2.72 E-08
Sm-147	1.15 E-09	1.05 E-10	7.21 E-04	6.51 E-06	6.51 E-06
Sm-151	4.59 E-13	4.33 E-14	8.71 E-07	3.08 E-09	3.08 E-09
Sn-113	1.64 E-13	4.70 E-14	9.43 E-07	4.42 E-09	4.42 E-09
Sn-123	1.99 E-12	5.58 E-13	2.02 E-06	2.62 E-08	2.62 E-08
Sr-85	3.82 E-11	1.19 E-11	1.05 E-07	3.86 E-09	3.86 E-09
Sr-90	9.31 E-11	7.71 E-12	6.21 E-06	1.85 E-07	1.85 E-07
Ta-182	1.99 E-10	5.69 E-11	4.31 E-06	8.83 E-09	8.83 E-09
Tc-99	2.37 E-13	2.17 E-14	8.31 E-07	6.55 E-09	6.55 E-09
Th-227	5.00 E-10	6.19 E-13	4.90 E-04	6.12 E-07	6.12 E-07
Th-228	2.36 E-08	5.96 E-10	7.81 E-03	1.93 E-05	1.93 E-05
Th-229	3.28 E-08	3.10 E-09	7.71 E-03	1.79 E-04	1.79 E-04
Th-230	4.68 E-09	4.32 E-10	2.90 E-03	2.65 E-05	2.65 E-05
Th-231	3.81 E-13	3.48 E-16	4.91 E-08	1.45 E-09	1.45 E-09
Th-232	2.56 E-08	3.47 E-09	2.80 E-03	1.48 E-04	1.48 E-04
Th-234	8.33 E-11	1.72 E-13	3.20 E-06	2.01 E-08	2.01 E-08
Tl-204	5.62 E-13	8.29 E-14	1.30 E-07	8.54 E-09	8.54 E-09
Tm-170	1.41 E-12	3.96 E-13	1.63 E-06	1.71 E-08	1.71 E-08

Table B4-40. Industrial Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Radionuclide	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
U-232	5.78 E-10	1.66 E-09	6.01 E-03	5.01 E-07	5.01 E-07
U-233	1.49 E-10	1.54 E-11	2.70 E-03	1.46 E-07	1.46 E-07
U-234	1.44 E-10	1.31 E-11	2.60 E-03	1.45 E-07	1.45 E-07
U-235	6.54 E-10	6.02 E-11	2.50 E-03	1.39 E-07	1.39 E-07
U-236	1.38 E-10	1.27 E-11	2.50 E-03	1.36 E-07	1.36 E-07
U-238	3.77 E-10	4.12 E-11	5.21 E-03	1.98 E-07	1.98 E-07
V-49	4.73 E-16	1.06 E-16	2.14 E-08	1.94 E-10	1.94 E-10
Y-88	4.83 E-10	1.40 E-10	1.77 E-06	3.34 E-07	3.34 E-07
Y-90	2.66 E-14	8.86 E-15	5.51 E-07	1.42 E-08	1.42 E-08
Zn-65	2.05 E-10	4.96 E-11	1.61 E-06	4.27 E-08	4.27 E-08
Zr-93	1.29 E-12	1.23 E-13	6.51 E-07	8.02 E-09	8.02 E-09

Table B4-41. Recreational Scenario Noncarcinogenic Chemical URF Sums over All Exposure Pathways.

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Aluminum fluoride	2.53 E-05	3.38 E-06	1.24 E-01	1.57 E-01	6.60 E-01
Aluminum nitrate	9.46 E-06	1.26 E-06	4.98 E-01	5.84 E-02	2.46 E-01
Aluminum (ionic)	1.75 E-04	2.34 E-05	3.91 E-01	1.37 E+00	1.23 E+01
Ammonium carbonate	1.76 E-06	2.35 E-07	1.37 E-01	1.37 E-02	2.69 E-02
Ammonium nitrate	7.84 E-07	1.05 E-07	6.08 E-02	6.12 E-03	1.20 E-02
Beryllium (ionic)	2.76 E-05	3.68 E-06	0.00 E+00	1.47 E-01	2.34 E+00
Butyl phosphates	6.21 E-06	8.28 E-07	8.30 E-02	8.37 E-03	8.76 E-02
Cadmium (ionic)	2.77 E-04	3.69 E-05	1.10 E+01	1.14 E+00	1.58 E+02
Calcium carbonate	2.71 E-07	3.62 E-08	2.11 E-02	2.12 E-03	4.15 E-03
Calcium (ionic)	4.20 E-09	5.60 E-10	3.22 E-04	3.25 E-05	6.57 E-05
Calcium nitrate	1.93 E-07	2.57 E-08	1.48 E-02	1.49 E-03	3.01 E-03
Carbon tetrachloride	9.32 E-07	0.00 E+00	7.82 E+00	4.73 E+00	8.40 E+01
Chromium VI (ionic)	6.15 E-04	6.69 E-05	9.61 E+03	1.47 E-01	1.62 E+01
Copper sulfate	5.90 E-06	7.87 E-07	3.22 E-01	4.59 E-02	9.12 E-02
Copper (ionic)	2.35 E-04	3.14 E-05	5.48 E-01	1.84 E+00	6.79 E+01
Dibutyl phosphonate	3.15 E-06	4.20 E-07	4.21 E-02	4.24 E-03	4.66 E-02
Ferric nitrate	2.35 E-06	3.14 E-07	1.83 E-01	1.83 E-02	3.59 E-02
Ferrocyanide (ionic)	4.70 E-07	6.27 E-08	3.65 E-02	3.67 E-03	7.19 E-03
Ferrous nitrate	3.19 E-06	4.27 E-07	2.38 E-01	2.43 E-02	5.33 E-02
Fluoride (ionic)	1.17 E-06	1.56 E-07	9.13 E-02	9.16 E-03	8.23 E-02
Iron (as ferric ion)	9.57 E-08	1.18 E-08	6.37 E-01	4.30 E-04	5.94 E-01
Lead (ionic)	5.19 E-05	6.91 E-06	1.27 E+01	3.92 E-01	2.84 E+01
Magnesium (ionic)	6.25 E-09	7.11 E-10	7.82 E-02	1.10 E-05	4.08 E-04
Magnesium nitrate	3.71 E-08	4.95 E-09	2.88 E-03	2.90 E-04	5.68 E-04
Mercury (ionic)	2.93 E-04	3.91 E-05	6.37 E+01	1.99 E+00	1.30 E+03
Methyl isobutyl ketone	2.10 E-07	8.10 E-08	1.10 E-01	6.60 E-02	1.91 E-02
Nickel (ionic)	3.83 E-06	5.11 E-07	0.00 E+00	2.75 E-02	1.99 E+00
Nitrate	4.40 E-08	5.88 E-09	3.42 E-03	3.44 E-04	3.62 E+01
Nitric acid	2.01 E-06	2.69 E-07	1.56 E-01	1.57 E-02	1.65 E+03
Nitrite	2.07 E-06	2.76 E-07	1.61 E-01	1.61 E-02	3.17 E-02
Oxalate (ionic)	2.83 E-07	3.65 E-08	7.82 E-01	1.83 E-03	3.59 E-03
Phosphate (ionic)	2.01 E-07	2.56 E-08	7.82 E-01	1.19 E-03	5.87 E+01
Potassium (ionic)	1.38 E-10	1.85 E-11	1.07 E-05	1.08 E-06	7.58 E-04
Potassium borate	7.84 E-07	1.05 E-07	6.08 E-02	6.12 E-03	1.29 E-02
Silver (ionic)	1.54 E-05	2.06 E-06	1.10 E+00	1.12 E-01	4.32 E-01
Sodium (ionic)	2.35 E-10	3.14 E-11	1.83 E-05	1.83 E-06	1.33 E-04
Sodium aluminate	2.42 E-06	3.23 E-07	1.27 E-01	1.50 E-02	1.53 E-01
Sodium dichromate	6.15 E-04	6.69 E-05	9.61 E+03	1.47 E-01	1.62 E+01
Sodium oxalate	1.21 E-06	1.61 E-07	7.82 E-01	9.16 E-03	1.80 E-02
Sodium sulfamate	3.52 E-07	4.70 E-08	2.74 E-02	2.75 E-03	5.39 E-03
Sulfate (ionic)	5.83 E-09	6.54 E-10	7.82 E-02	7.75 E-06	4.09 E-03
Sulfuric acid	1.01 E-05	1.34 E-06	7.82 E-01	7.86 E-02	1.54 E-01
Tributyl phosphate	2.05 E-07	0.00 E+00	3.13 E-01	3.30 E-02	1.51 E+01
Tributyl phosphonate	3.40 E-06	0.00 E+00	4.56 E-02	4.57 E-03	1.61 E+00
Trichloroethylene	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Uranium (ionic)	2.58 E-05	3.44 E-06	3.91 E+00	1.89 E-01	6.89 E+00
Zinc (ionic)	2.36 E-07	3.15 E-08	1.83 E-02	1.84 E-03	3.21 E+00

Table B4-42. Recreational Scenario Carcinogenic Chemical URF Sums over Exposure Pathways for Each Medium.

Chemical Name	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Aluminum fluoride	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Aluminum nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Aluminum (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ammonium carbonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ammonium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Beryllium (ionic)	2.55 E-07	3.40 E-08	1.95 E-02	1.35 E-03	2.14 E-02
Butyl phosphates	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Cadmium (ionic)	3.73 E-07	4.97 E-08	1.47 E-02	1.53 E-03	1.93 E-01
Calcium carbonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Calcium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Calcium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Carbon tetrachloride	3.63 E-11	0.00 E+00	1.24 E-04	9.41 E-05	3.27 E-03
Chromium VI (ionic)	1.83 E-06	2.44 E-07	9.17 E-02	1.29 E-02	8.13 E-01
Copper sulfate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Copper (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Dibutyl phosphonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferric nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferrocyanide (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Ferrous nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Fluoride (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Iron (as ferric ion)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Lead (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Magnesium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Magnesium nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Mercury (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Methyl isobutyl ketone	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nickel (ionic)	1.22 E-10	1.32 E-11	1.97 E-03	0.00 E+00	0.00 E+00
Nitrate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nitric acid	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Nitrite	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Oxalate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Phosphate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Potassium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Potassium borate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Silver (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium aluminate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium dichromate	1.83 E-06	2.44 E-07	9.17 E-02	1.29 E-02	8.13 E-01
Sodium oxalate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sodium sulfamate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sulfate (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Sulfuric acid	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Tributyl phosphate	1.21 E-11	0.00 E+00	0.00 E+00	1.96 E-06	8.90 E-04
Tributyl phosphonate	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Trichloroethylene	4.93 E-12	0.00 E+00	3.05 E-05	1.89 E-05	3.84 E-05
Uranium (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Zinc (ionic)	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00

Table B4-43. Recreational Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Radionuclide	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Ac-225	1.32 E-13	6.58 E-14	1.01 E-05	1.63 E-08	1.06 E-07
Ac-227	1.81 E-09	1.87 E-10	3.70 E-04	6.36 E-06	3.99 E-06
Ag-110m	4.69 E-11	1.70 E-11	2.96 E-07	2.01 E-09	5.58 E-08
Am-241	4.36 E-10	5.87 E-11	1.34 E-04	1.74 E-06	1.83 E-05
Am-243	5.16 E-10	6.90 E-11	1.34 E-04	1.74 E-06	1.84 E-05
Au-195	1.25 E-12	4.90 E-13	3.40 E-08	2.76 E-10	8.08 E-09
Ba-133	5.69 E-11	1.01 E-11	1.58 E-08	5.09 E-10	1.14 E-07
Be-10	4.05 E-13	5.48 E-14	9.22 E-07	1.28 E-09	3.74 E-09
Be-7	1.61 E-13	7.73 E-14	1.23 E-09	1.27 E-11	2.33 E-10
Bi-210	3.49 E-13	2.92 E-16	3.36 E-07	6.40 E-10	7.87 E-09
C-14	3.35 E-14	4.48 E-15	2.69 E-11	3.80 E-10	1.23 E-06
Ca-45	5.75 E-16	2.32 E-16	2.14 E-08	4.20 E-10	1.22 E-08
Cd-109	3.70 E-14	1.15 E-14	2.73 E-07	3.43 E-09	4.72 E-07
Ce-144	8.15 E-13	2.88 E-13	1.43 E-06	3.10 E-09	9.21 E-07
Cf-250	1.61 E-10	2.78 E-11	6.82 E-04	1.53 E-06	1.07 E-05
Cf-252	1.51 E-10	5.13 E-12	4.09 E-04	7.25 E-07	5.33 E-06
Cl-36	4.94 E-13	6.59 E-14	5.88 E-09	7.59 E-10	2.80 E-08
Cm-243	3.27 E-10	3.50 E-11	1.09 E-04	1.19 E-06	1.44 E-05
Cm-244	2.42 E-10	2.32 E-11	9.24 E-05	9.54 E-07	1.20 E-05
Cm-245	4.65 E-10	6.27 E-11	1.34 E-04	1.79 E-06	1.83 E-05
Cm-246	4.56 E-10	6.10 E-11	1.34 E-04	1.79 E-06	1.83 E-05
Cm-248	1.69 E-09	2.25 E-10	5.04 E-04	6.59 E-06	6.93 E-05
Co-57	1.03 E-12	3.69 E-13	3.46 E-08	2.45 E-10	5.80 E-08
Co-58	4.71 E-12	2.19 E-12	4.32 E-08	6.73 E-10	1.62 E-07
Co-60	3.28 E-10	7.08 E-11	6.35 E-07	6.33 E-09	1.77 E-06
Cs-134	7.91 E-11	2.19 E-11	1.21 E-07	1.72 E-08	2.44 E-05
Cs-137	2.22 E-10	3.33 E-11	8.09 E-08	1.18 E-08	1.68 E-05
Es-254	5.97 E-10	9.03 E-12	1.07 E-04	2.10 E-07	7.13 E-07
Eu-152	2.83 E-10	4.78 E-11	4.64 E-07	1.59 E-09	2.17 E-07
Eu-154	2.41 E-10	4.51 E-11	5.91 E-07	2.19 E-09	2.15 E-07
Eu-155	2.13 E-12	4.69 E-13	7.57 E-08	3.22 E-10	5.58 E-09
Fe-55	9.89 E-16	2.57 E-16	3.53 E-09	1.17 E-10	1.60 E-07
Ge-68	2.37 E-11	8.32 E-12	1.38 E-07	3.68 E-10	8.80 E-07
H-3	1.14 E-17	5.36 E-18	3.28 E-10	2.27 E-11	4.23 E-11
I-129	5.47 E-12	7.29 E-13	5.04 E-07	8.02 E-08	2.82 E-05
K-40	8.30 E-11	1.10 E-11	3.22 E-08	4.64 E-09	3.30 E-06
Kr-85	4.74 E-13	8.45 E-14	5.17 E-12	0.00 E+00	3.56 E-10
Mn-54	1.83 E-11	6.30 E-12	2.40 E-08	4.67 E-10	1.50 E-07
Mo-93	3.60 E-12	4.81 E-13	7.40 E-08	7.42 E-10	8.18 E-09
Na-22	1.38 E-10	3.62 E-11	2.47 E-08	2.87 E-09	3.46 E-07
Nb-93m	8.18 E-15	1.42 E-15	7.98 E-08	6.49 E-11	8.97 E-09
Nb-94	8.27 E-10	1.10 E-10	8.85 E-07	9.22 E-10	5.52 E-07
Nb-95	1.85 E-12	9.06 E-13	2.30 E-08	2.75 E-10	4.13 E-08
Ni-59	2.74 E-15	3.68 E-16	2.94 E-09	3.85 E-11	2.75 E-09
Ni-63	6.44 E-15	8.96 E-16	7.56 E-09	1.01 E-10	7.25 E-09

Table B4-43. Recreational Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Radionuclide	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
Np-237	6.23 E-10	8.87 E-11	1.22 E-04	2.09 E-06	1.70 E-05
Np-239	1.09 E-14	5.48 E-15	7.04 E-09	3.44 E-10	7.00 E-08
Pa-231	1.30 E-09	2.33 E-10	1.51 E-04	4.92 E-06	1.75 E-06
Pa-233	4.49 E-11	1.13 E-13	3.65 E-08	4.15 E-10	4.11 E-09
Pb-210	2.18 E-11	2.78 E-12	1.68 E-05	2.78 E-07	1.99 E-05
Pb-212	4.92 E-14	2.46 E-14	2.10 E-07	1.12 E-09	1.74 E-07
Pm-147	4.46 E-15	1.19 E-15	1.26 E-07	2.10 E-10	2.46 E-09
Po-210	1.18 E-13	4.96 E-14	1.09 E-05	7.15 E-08	2.23 E-05
Pu-238	3.88 E-10	4.81 E-11	1.64 E-04	1.51 E-06	1.67 E-05
Pu-239	4.35 E-10	5.80 E-11	1.60 E-04	1.70 E-06	1.75 E-05
Pu-240	4.34 E-10	5.80 E-11	1.60 E-04	1.70 E-06	1.75 E-05
Pu-241	8.24 E-12	1.35 E-12	9.66 E-07	3.21 E-08	2.77 E-07
Pu-242	4.10 E-10	5.48 E-11	1.51 E-04	1.60 E-06	1.68 E-05
Ra-223	5.64 E-14	2.82 E-14	1.30 E-05	2.66 E-08	1.36 E-06
Ra-224	1.48 E-10	4.05 E-15	5.04 E-06	1.47 E-08	8.06 E-07
Ra-225	3.70 E-11	7.32 E-15	6.30 E-06	2.15 E-08	1.08 E-06
Ra-226	9.23 E-10	1.23 E-10	1.26 E-05	5.30 E-08	3.07 E-06
Ra-228	6.60 E-10	1.18 E-10	1.32 E-05	3.78 E-07	1.96 E-05
Re-187	1.57 E-16	2.10 E-17	1.42 E-10	2.49 E-12	2.13 E-10
Rn-222	4.84 E-14	9.19 E-17	6.76 E-09	8.19 E-10	1.97 E-09
Ru-103	1.19 E-12	5.81 E-13	3.62 E-08	3.83 E-10	2.89 E-08
Ru-106	4.99 E-12	1.65 E-12	1.85 E-06	4.04 E-09	2.91 E-07
S-35	1.94 E-16	8.76 E-17	7.98 E-10	9.25 E-11	4.89 E-08
Sb-122	7.63 E-14	3.82 E-14	1.52 E-08	7.41 E-10	1.19 E-07
Sb-124	7.89 E-12	3.74 E-12	9.62 E-08	1.21 E-09	1.83 E-07
Sc-46	1.17 E-11	5.31 E-12	1.17 E-07	7.25 E-10	6.15 E-08
Se-75	1.96 E-12	8.41 E-13	2.60 E-08	2.44 E-09	2.97 E-07
Se-79	1.52 E-13	2.03 E-14	2.56 E-08	2.28 E-09	2.74 E-07
Sm-147	7.33 E-11	9.79 E-12	3.02 E-05	2.78 E-07	1.88 E-07
Sm-151	2.91 E-14	4.07 E-15	3.65 E-08	1.52 E-10	9.06 E-10
Sn-113	8.03 E-15	3.47 E-15	4.00 E-08	3.68 E-10	7.73 E-07
Sn-123	9.66 E-14	4.08 E-14	8.46 E-08	2.20 E-09	4.62 E-06
Sr-85	1.83 E-12	8.61 E-13	5.21 E-09	3.23 E-10	1.40 E-08
Sr-90	7.47 E-12	8.22 E-13	2.60 E-07	1.53 E-08	5.59 E-07
Ta-182	9.51 E-12	4.11 E-12	1.84 E-07	7.28 E-10	1.51 E-05
Tc-99	3.48 E-14	4.65 E-15	3.49 E-08	5.49 E-10	6.61 E-09
Th-227	3.33 E-11	4.28 E-14	2.06 E-05	2.67 E-08	1.35 E-07
Th-228	1.73 E-09	4.39 E-11	3.28 E-04	8.21 E-07	1.85 E-06
Th-229	2.13 E-09	2.95 E-10	3.23 E-04	7.58 E-06	4.47 E-06
Th-230	2.99 E-10	4.05 E-11	1.22 E-04	1.12 E-06	6.40 E-07
Th-231	1.86 E-14	2.55 E-17	2.08 E-09	1.21 E-10	1.20 E-08
Th-232	1.65 E-09	3.82 E-10	1.18 E-04	6.22 E-06	2.40 E-06
Th-234	5.30 E-12	1.25 E-14	1.34 E-07	1.68 E-09	1.20 E-07
Tl-204	3.19 E-14	7.58 E-15	5.46 E-09	7.16 E-10	5.12 E-08
Tm-170	6.83 E-14	2.89 E-14	6.85 E-08	1.41 E-09	2.60 E-08

Table B4-43. Recreational Scenario Radionuclide URF Sums over Exposure Pathways for Each Medium. (3 sheets)

Radionuclide	Soil (mass)	Soil (area)	Air	Groundwater	Surface Water
U-232	4.02 E-11	1.86 E-10	2.52 E-04	2.89 E-08	1.39 E-06
U-233	6.24 E-12	1.17 E-12	1.13 E-04	9.49 E-09	2.49 E-07
U-234	6.03 E-12	8.79 E-13	1.09 E-04	9.45 E-09	2.48 E-07
U-235	4.29 E-11	5.85 E-12	1.05 E-04	9.22 E-09	2.67 E-07
U-236	5.78 E-12	8.42 E-13	1.05 E-04	8.89 E-09	2.32 E-07
U-238	1.93 E-11	3.36 E-12	2.18 E-04	1.43 E-08	4.40 E-07
V-49	4.52 E-17	1.54 E-17	8.98 E-10	1.62 E-11	1.32 E-10
Y-88	2.32 E-11	1.01 E-11	7.89 E-08	1.49 E-08	5.52 E-08
Y-90	1.29 E-15	6.46 E-16	2.31 E-08	1.18 E-09	2.51 E-08
Zn-65	9.85 E-12	3.60 E-12	6.84 E-08	3.58 E-09	6.30 E-06
Zr-93	8.52 E-14	1.21 E-14	2.73 E-08	3.74 E-10	1.03 E-08

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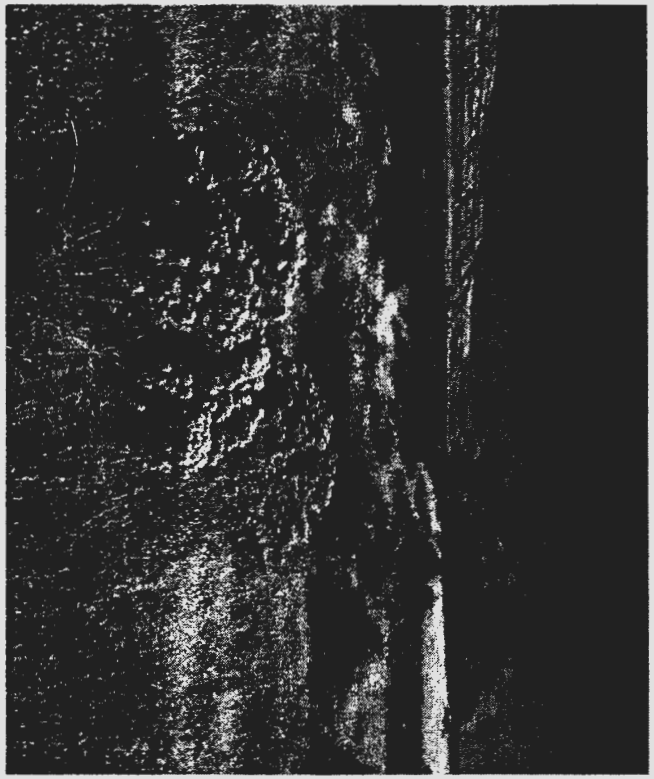

Appendix B5

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B5.0 Risk Assessment Calculation and Results

Three types of risk are determined in the *Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan* (HRA-EIS). These types of risk are (1) cancers due to radionuclides, (2) cancers due to chemical carcinogens, and (3) noncancerous toxic effects. The worker and population weighted risk factors from different authoritative sources vary for cancer risk, but these risk factors are all on the order of 10^{-3} to 10^{-5} excess lifetime cancer risk per person-rem of radiation exposure. Table B5-1 compares the carcinogenic risk from radiation from several different sources. The total cancer risk in this EIS is determined by summing the radionuclide and chemical carcinogen risk.

Certain chemicals, like radiation, have long been known to be capable of causing carcinogenic effects at high doses, but their carcinogenicity at low doses has been considered only recently. Potential human carcinogenic effects are evaluated in this risk assessment using the weight-of-evidence classification of the EPA. The weight-of-evidence classification is a qualitative description of the probability of cancer occurrence in humans, based on the strength of human epidemiological and/or animal study data. This system, originally developed by the International Agency for Research on Cancer (IARC), has been slightly modified by EPA. Carcinogens are classified by EPA according to the following weight-of-evidence categories:

- **Group A-Human Carcinogen**. There is sufficient evidence from epidemiological studies that substantiates a causal association between exposure and carcinogenicity in humans.

- **Group B1-Probable Human Carcinogen**. There is limited evidence of carcinogenicity in humans from available epidemiological data.

- **Group B2-Probable Human Carcinogen**. There is sufficient evidence of carcinogenicity in animals, but inadequate or no evidence in humans.

- **Group C-Possible Human Carcinogen**. There is limited evidence of carcinogenicity in animals.

- **Group D-Not Classifiable as to Human Carcinogenicity**. The evidence for carcinogenicity in animals and humans is inadequate to support classification.

- **Group E-Human noncarcinogen**. There is evidence of noncarcinogenicity in humans.

The Slope Factor is the toxicity value that quantitatively defines the dose-response relationship of a known or suspected carcinogen. The Slope Factor is an estimate of an upperbound lifetime probability of an individual developing cancer due to exposure to a potential cancer-causing agent. The EPA has developed Slope Factors for carcinogens based on the premise that there is no threshold level of exposure below which carcinogenic effects will not be elicited. The *Hanford Site Baseline Risk Assessment Methodology (HSBRAM)* (DOE-RL 1993a) states that "... acceptable exposure levels are generally concentration levels that represent an excess upper bound lifetime cancer risk to an individual of between 1 E-04 to 1 E-06, with 1 E-06 the point of departure ... for determining remediation goals when ARARs are not available or not sufficiently protective because of the presence of multiple contaminants or multiple exposure pathways, [40 CFR § 300.430(e)(2)(i)(A)(2)]."

Most of the data for chemical carcinogens has come from chronic exposures at high dose levels, and the data are too limited, with few exceptions, to enable quantitative analysis of dose-incidence curves. In those cases where data are available, the relationship between incidence and exposure are compatible with nonthreshold functions similar to those for radiation-induced cancers (NCRP 1989). The risk (hazard index) for chemical noncarcinogens is addressed separately. The chemical noncarcinogen risk is based on consideration of a threshold for injury, so that if the exposure remains below a certain threshold, no harmful effects are assumed. Potential human health hazards associated with exposure to noncarcinogenic substances are evaluated separately from carcinogenic risks. The daily intake of a chemical over a specified period of time (e.g., lifetime or some shorter time period) is compared with a reference dose for a similar period to determine a ratio called the Hazard Quotient (HQ). The formula used to calculate the HQ is:

$$HQ = \frac{\text{Intake}}{\text{RfD}}$$

As a rule, the greater the value of the quotient above 1, the greater the level of concern.

An approach to assess the overall potential for noncarcinogenic effects posed by more than one chemical is the use of the Hazard Index. The Hazard Index is equal to the sum of the Hazard Quotients for individual chemicals. However, it is only appropriate to add HQs for those chemicals which produce similar adverse effects. When the Hazard Index exceeds 1, there may be concern for health effects.

$$\text{Hazard Index} = HQ_1 + HQ_2 + HQ_3 + \ldots$$

B5.1 Risk Calculation

The risk assessment method developed for this EIS represents a Modular Risk Analysis (MRA) approach (Figure B5-1). This method allows for evaluation of regional risk by accounting for the effects of widely scattered waste sites.

The three key end points identified for the application of MRA to this EIS dictated the type of assessment performed. First, the system had to be structured so that onsite and regional results could be presented as risk isopleths for the four exposure scenarios. Second, an automated modular approach to the assessment had to be developed so the user could change the source-term, transport, and/or exposure scenarios, without having to reperform the entire source-to-receptor analysis.

The assessment was divided into three components with each component independent of the others (Figure B5-1). Source-term data was collected simultaneously with unit transport and exposure/risk analyses. The final risk was calculated by multiplying numbers from each of the modules together (i.e., source term, transport, and exposure).

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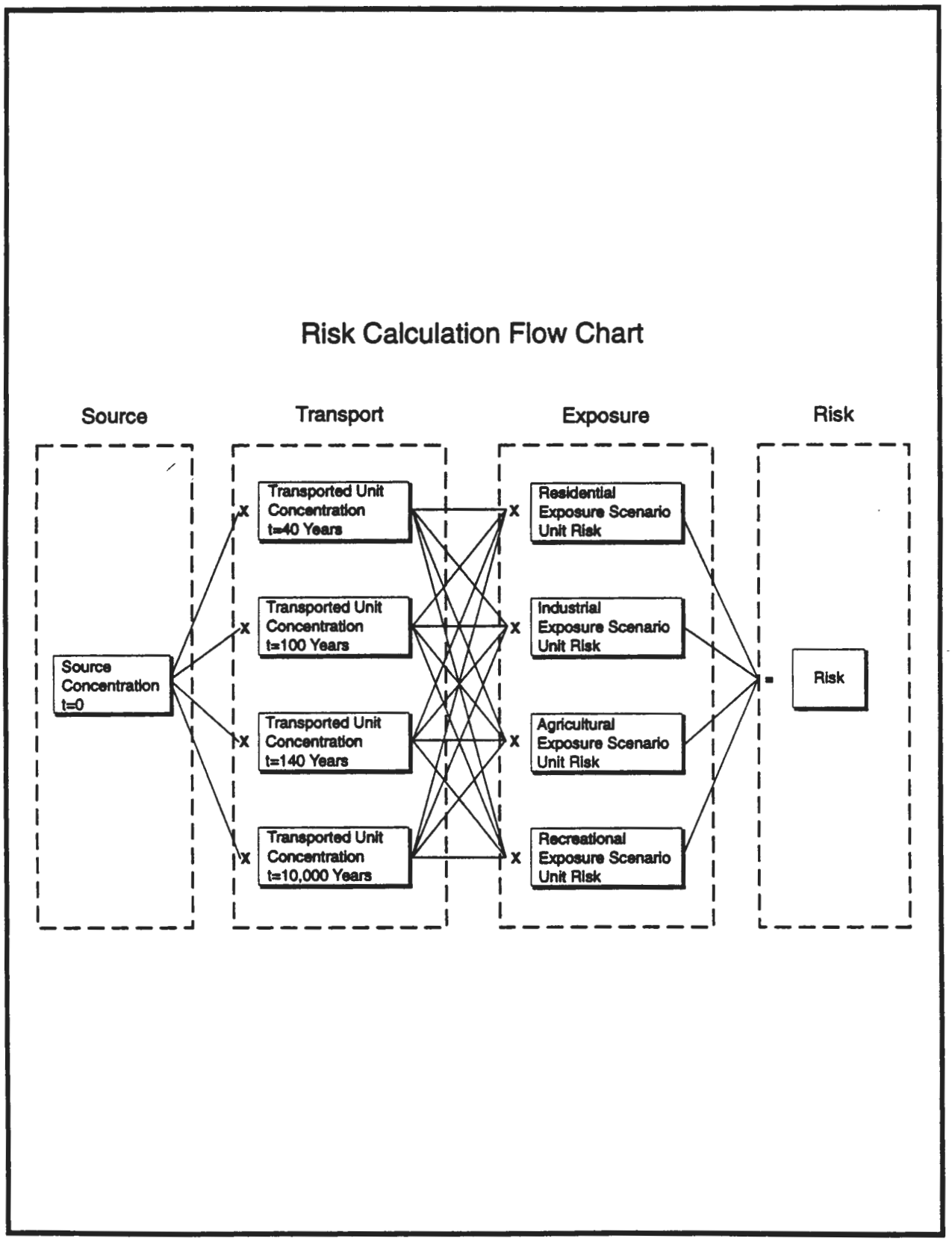
Figure B5-1. Modular Risk Assessment Approach for the Hanford Remedial Action Environmental Impact Statement.



The risk was calculated as:

$$\text{Risk} = \frac{S_s}{S_u} \cdot \frac{C_{us}}{C_{uc}} \cdot R_u \qquad (1)$$

where S_s is the inventory source term, S_u is the inventory of an assumed unit source term, C_{us} is the unit concentration at the receptor based on the assumed S_u and unit-transport modeling, C_{uc} is the unit concentration assumed at the receptor (which is not based on S_u or transport modeling) in the unit-exposure analysis, and R_u is the unit risk based on the unit-exposure analysis (i.e., C_{uc}).

For example, under temporally far-field conditions, the concentration at a receptor is directly proportional to the waste inventory at the source; that is, as the source inventory doubles, the environmental concentration at the receptor doubles. An example of the temporally far-field case is illustrated on Figure B5-2. As the initial release at the source moves downgradient, the shape of the plume distribution becomes strictly Gaussian (e.g., at distance 1,000 on Figure B5-2). In other words, the results at distance 1,000 are the same as those that would be produced if the release was instantaneous at the source. Therefore, the distribution of the release at the source is independent of the source, except for mass or inventory that is released.

B5.2 Baseline Risk[1]

Baseline risk is the risk to a user of the land under the No-Action Alternative. Depending on the land use scenario, the receptor is exposed to contaminated media through one or several pathways with no restrictions or institutional controls. These exposure scenarios are described in Appendix B4. This appendix summarizes the risk assessment results for each exposure scenario and time (0, 40, 100, 140, 1,000, and 10,000 years from present) considered (Tables B5-2 through B5-7). The risk values in these tables were calculated per Equation (1) for each constituent within a cell and then summed. Cancer risk values higher than 1.0 have been corrected to 1.0 because cancer risk, as a probability, cannot exceed unity. Supporting data for the T_0 results are provided in the supporting document to this appendix, and supporting data for future time calculations, which were considered too extensive for general publication, are available upon request from the U.S. Department of Energy (DOE). Isopleth maps of the risks presented here in tabular form are provided in Chapter 5.0 of the main text of this EIS.

B5.3 Remediation Risk

Risk due to remediation operations can be separated into risk from routine activities and risk from accidents. Risk from routine activities refers to risk to workers and the general public resulting from daily activities and processes associated with the remediation efforts. Accident risk refers to the risk to workers and the general public from accidents that could occur as a result of the remediation activities.

[1]Risk refers to the statistical increase in the individual land user cancer rate.

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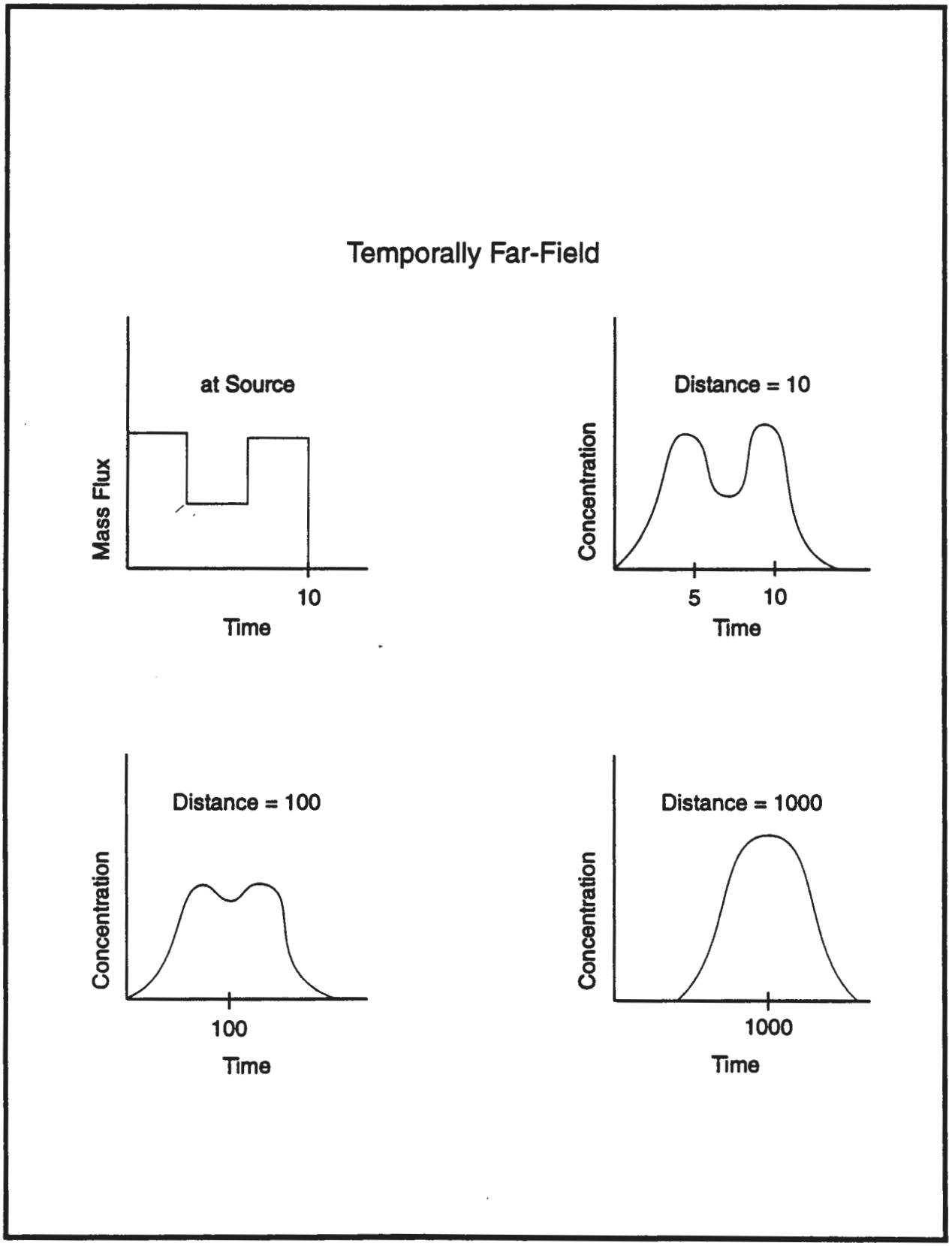
Figure B5-2. Far-field Distribution as Function of Time.



B5.3.1 Risk from Routine Remediation Activities

Remediation activities within the scope of this EIS would be carried out in compliance with all applicable laws, regulations, and DOE Orders. In addition, appropriate engineering and administrative measures would be applied during routine remediation activities so that the protection of workers, the general public, and the environment is ensured. For remediation workers, this involves wearing appropriate protective clothing; the use of respiratory protection, where necessary; and limiting exposures to contaminants in accordance with as low as reasonably achievable guidelines and good health physics and industrial hygiene practices. For the general public, it involves the use of practices and procedures designed to reduce the transport of radioactive and hazardous materials offsite. These include use of dust suppressants during excavation; use of containment structures, where necessary; and other similar measures to control the spread of these materials.

The combination of compliance with all laws and regulations and the use of good health physics and industrial hygiene practices would ensure that exposures to radioactive and hazardous chemicals, as a result of routine remediation activities, remain below applicable regulatory and administrative limits. Therefore, this EIS does not model risk from routine remediation activities. In addition, since this EIS evaluates impacts from broad remediation strategies applied over large geographic areas containing many waste sites, it is not suited to the evaluation of risk due to routine remediation activities at specific waste sites. Evaluation of risk to workers and the public would be addressed by the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) remedial investigation and feasibility study process as a part of its analysis of short-term consequences. For the purposes of the HRA-EIS, risk from routine remediation activities has been estimated by statistical extrapolation of three years worth of routine remediation exposure data.

B5.3.2 Accident Risk

Risk due to accidents during, or as a result of, remediation activities is not as easy to mitigate as risk associated with routine remediation activities. This EIS analyzes several possible accident scenarios that could result in the release of hazardous and radioactive materials to the environment.

Since the potential discrete sources are not well characterized and since there are many potential remediation methods, each with various possible failure modes, defining and systematically analyzing the spectrum of credible accident scenarios would be a complex undertaking that would yield results with low confidence. As a result, the approach taken was to analyze bounding accidents only, using simplified but realistically conservative source terms and release parameters.

B5.3.2.1 Scenarios, Assumptions, and Source Terms. Three representative accident scenarios that may occur during remediation were evaluated. These accidents are postulated to result from:

- excavating the river shoreline sediments
- pumping and treating contaminated groundwater
- excavating radioactive/hazardous waste sites.

In general, the proposed remediation technologies and, therefore, the accident scenarios are applicable to more than one remediation alternative. However, the degree or scale of application of the remediation technology is directly related to the specific alternative. It is reasonable to assume

that the probability of an excavation accident is a function of the total amount of soil excavated. As a result, the probability of an accident occurring, rather than the severity of the accident, is a function of the remediation alternative. In general, unrestricted use alternatives that require the greatest application of a remedial technology would have the highest probability of an accident occurring. Alternatives involving the most restricted use of the land and, therefore, minimum remediation have the lowest probability for an accident. For the accidents proposed, the probabilities of occurrence would be expected to vary from unlikely to very unlikely (10^{-6} to 10^{-2} occurrences per year of operation) based on DOE Order 5480.23, LA-10294-MS (LANL 1986) and the *Preparation Handbook for U.S. Department of Energy Non-reactor Nuclear Facility Safety Analysis Reports* (DOE 1993b).

In addition to accidents resulting from remediation activities, one accident scenario was evaluated for the No-Action Alternative. This accident scenario is a range fire that burns a 2.6 km^2 (1 mi^2) area of the site, and releases hazardous materials incorporated in range vegetation. This accident is considered because of the high likelihood of occurrence (approximately once every 10 years) and its lack of dependence on the alternative selected. Other similar alternative independent accident scenarios (such as result from widespread natural occurrences like earthquakes, floods, and tornadoes) were not considered because they are either incredible, or the accident itself would do greater damage than the subsequent release. Such significant catastrophic accidents have been fully analyzed for more significant source terms and presented in various Hanford safety documents such as the *200-West Area Carbon Tetrachloride Expedited Response Actions* (WHC 1977), *Soils Physical Separations Treatability Safety Assessment for 100 and 300 Areas*, *Safety Assessment 618-9 Burial Ground ERA Phase I*, *Safety Evaluation on the Demolition of the 185-B and 190-B Facilities* (WHC 1993a), *Safety Assessment for the N-Springs Expedited Response Action* (WHC 1993b), and *Safety Assessment of the Environmental Analytical Laboratory* (WHC 1993c).

Source terms used for those selected accidents involving contaminated soil were the highest concentrations of all contaminants identified in the geographic area considered in the accident scenario. These concentrations were used to construct source terms for both the river shoreline excavation and the soil dispersal accidents (Table B5-8). Source terms for the groundwater remediation accident were determined in a similar manner. Table B5-9 provides the maximum concentration of each of the constituents in the groundwater.

For the range-fire accident, the source term was based on the uptake of contaminants through the root system of plants. The source term was derived from the measured contaminant concentrations provided in the *Hanford Site Environmental Report for Calendar Year 1992* (PNL 1993) and the average plant mass observed in the Hanford Shrub-Steppe terrestrial ecosystem (Rickard 1988). Table B5-10 summarizes these contaminant concentrations.

A summary of the assumptions used to calculate impacts for these accidents follows.

- Only airborne transport and river transport are considered as credible pathways for exposure.

- Accidents involving airborne releases from contaminated soil source terms are evaluated for the following areas (hereafter referred to as operating areas):

  - 100 Area sites B/C, K, N, DR, H, and F

  - 200-East and 200-West areas

- 300 Area

- 400 Area.

- Values for the meteorological dispersion of contaminants released to the atmosphere were computed using the Nuclear Regulatory Commission (NRC) Regulatory Guide 1.145 method. Conservative "worst case" transport conditions were assumed (as is appropriate for accidental acute releases). These 99.5 percentile dispersion values (X/Q values) are exceeded no more than 44 hours in a year. All of the X/Q values are computed using ground-level wind data collected in each of the operating areas during the years 1983 to 1991. The atmospheric stability class is based on the temperature gradients measured at the Hanford Meteorological Station located east of the 200-West Area.

- For all areas considered, airborne releases were transported to receptors at the 100 m (328 ft) location (location of affected workers), nearest point of public access, and site boundary location with the highest estimated airborne concentrations. All personnel are considered to be outdoors during the accident. Individual exposures are based on centerline X/Q values. Distances to the site boundary and to the nearest public access locations (NPAL) were computed for each wind direction. The NPAL are along the Columbia River, State Highway 240, and the roads leading to the Wye barricade. Population exposures use sector-averaged 99.5 percentile X/Q values. The sectors are 22.5 degrees each. The sector-averaged X/Q at various population distances are multiplied by the population in that distance range to give the collective normalized integrated dose in each sector.

- The onsite [100 m (328 ft)] and nearest public receptors are only exposed to airborne contamination. They receive external dose from the plume as it passes, and internal dose from inhaling the suspended activity. For airborne releases, the site boundary receptor also receives exposure from the activity deposited on the ground. This activity is absorbed by plants and becomes part of the individual's diet. The site boundary receptor is assumed to be a farmer who grows most of the food he eats.

- The probability of an accident occurring is primarily a function of the scale of remediation activities performed, which is directly related to the remediation goals.

The specific accident scenarios are described in the following subsections.

B5.3.2.1.1 Excavation of River Shoreline. During excavation of the riverbank to remove contaminated soil, some of the contaminated soil is inadvertently released to the river. This contamination is transported downriver to the water treatment facilities in Richland, Kennewick, and Pasco.

The maximally exposed offsite individual is a farmer who irrigates from the Columbia River to produce most of the food he consumes. This individual receives exposure from both recreational and agricultural activities. Recreational exposure occurs during swimming, boating, and while standing on the shoreline. The activity deposited on the ground increases the background dose rate and also is absorbed by plants that are part of the individual's diet. Inhalation of resuspended soil and consumption of animal products are also included in the dose pathways.

Population doses were computed using assumptions typical of the *Hanford Site Environmental Report* (PNL 1993). A total fish harvest of 15 metric tons (16.5 tons) was assumed. Water was treated and consumption limited to 100,000 persons. Approximately 5,000 people were assumed to consume produce grown on land irrigated from the Columbia River.

Other assumptions were:

- the source term is the maximum concentration of contaminants found in the soil in the Reactors on the River geographic area
- the river flow is at a minimum, minimizing dilution
- fifty metric tons (55 tons) of contaminated soil is assumed to be accidentally washed into the river during an excavation operation and the contaminants are assumed to be released to and totally mixed with the river water.

B5.3.2.1.2 Pumping and Treating Groundwater. During ion exchange treatment, a fire destroys the filtration unit and releases the collected contaminants. The contaminants on the filtration unit are aerosolized and transported to the affected individuals and population.

Other assumptions are as follows.

- The amount of contaminated groundwater assumed processed at the time of the accident is 100,000 L (26,425 gal).
- The collection efficiency for all radioactive constituents except tritium is assumed to be 100 percent. Tritium is assumed not to be concentrated and is ignored in this accident analysis.
- The entire filter is destroyed and the entire contents are released to the atmosphere.
- One percent of the material released to the air remains airborne and is available for transport downwind.
- The assumed locations for the hypothetical treatment plant are all the operating areas.
- The maximum inventory of all the radioactive material identified in the groundwater in each operating area is assumed to be present in the water processed at each of the sites.
- The entire treatment process occurs outdoors without any building or containment to mitigate the release.

B5.3.2.1.3 Excavation of Hazardous Waste Sites. During the excavation of one of the waste sites, some unexpected reactive material is encountered and inadvertently detonated. The resulting explosion disperses 10 kg (22 lbs) of contaminated soil to the environment.

Other assumptions are as follows.

- The source term is the maximum concentration of the contaminants in contaminated soil found in that area. One percent of the total material involved is assumed to be aerosolized.

- The only pathway with the potential to cause risk to humans is the airborne pathway.

B5.3.2.1.4 Range Fire Involving Contaminated Vegetation. Vegetation with long root systems such as Russian thistle, grasses, and rabbitbrush send roots down into some burial sites. This accident scenario assumes that a range fire ignites all the vegetation in a 2.6-km^2 (1-mi^2) area of the Hanford Site. A fraction of the inventory of radioactive material is assumed to be released to the environment by the fire.

Additional assumptions.

- The undisturbed content of aboveground standing biomass is 500 g/m^2 (Rickard 1988). The total biomass from cheatgrass communities is 465 g/m^2, and the biomass from Sagebrush-Bunchgrass communities is 426 g/m^2.

- The pathway with the potential to cause risk to humans is the airborne pathway.

- The fraction of the contaminants in the vegetation released to the atmosphere is 1 percent.

- The source term used is the maximum radionuclide concentrations listed in the *Hanford Site Environmental Report for Calendar Year 1992* (PNL 1993).

- The moisture content of green plants is 75 percent. Dry mass of the vegetation is 25 percent.

- The duration of the fire is 1.0 hour.

- NRC Regulatory Guide 1.145 meteorology is used to determine the 99.5 percentile X/Q values.

- The release is assumed to be a ground-level, point-source release. While this would overestimate doses near the source, the point-source model closely approximates the releases at distances greater than 5 km (3.1 mi).

- The frequency of a range fire is conservatively estimated at once every 10 years (0.1 per year).

- Only one area of the Hanford Site is assumed to be on fire at any single time.

The source term developed for the accidental range fire was derived from the measured contaminant concentrations in plants and the mass of material per unit area of the site. The measured activity per unit mass in plants was converted to the total activity in a 2.6 km^2 (1 mi^2) area affected by a range fire. Table B5-10 provides the source term used for modeling the accidental range fire.

B5.3.2.2 Accident Evaluation. Accidents were evaluated by modeling the dispersion of the source term and the resulting exposure and dose to humans at the selected receptor sites. Unit dose conversion factors were generated using the GENII (Napier 1988) environmental model. Doses resulting from these accidents are expressed in mrem committed effective dose equivalent (CEDE) for the onsite maximally exposed individual worker and individual member of the public at the point of nearest public access. Offsite doses are expressed in CEDE for the maximally exposed offsite individual at the point of the site boundary having the highest airborne concentrations of radionuclides. Population doses are expressed in collective CEDE for the population in the sector with the highest population dose. Only a single location was considered for the river shoreline excavation accident and the locations for the release were confined to the Reactors on the River area. The dose to the maximally exposed individual is 1.0 mrem and the collective population dose is 3.0 person-rem. Consequences of these accidents are expressed as increased probability of contracting a fatal cancer as a result of the dose received, in the case of an exposed individual, and as increased latent cancer fatalities in the case of an exposed population. The conversion factors used to convert from dose received to these consequences are 4×10^{-4} latent cancer fatalities per person-rem for workers and 5×10^{-4} latent cancer fatalities per person-rem for the general population. The difference in conversion factors is attributable to the presence of children in the general population (DOE 1993a). Tables B5-11, B5-12, and B5-13 present the maximum exposed individual doses at 100 m (328 ft), the highest NPAL dose with its associated distance, the highest site boundary dose, and the collective population dose for the other accident scenarios. These tables also present the increased probability of contracting a fatal cancer, for individuals receiving these doses, and the increase in latent cancer fatalities in the case of an exposed population. The values presented have not been adjusted by the probability of accident occurrence.

B5.4 Residual Risk

Residual risk refers to risk due to residual contamination after remediation is completed. This risk cannot be assessed in detail until the specific remediation technologies and the resulting residual contaminant concentrations are evaluated in the CERCLA remedial investigation and feasibility study process. However, to put the major alternatives in perspective, simplifying assumptions regarding remediation effectiveness were made. These assumptions are:

- Residual risk remaining after remediation to unrestricted use is within the 10^{-4} to 10^{-6} risk range.

- Residual risk remaining after remediation to a restricted use alternative is less than 10^{-4} to 10^{-6} as long as the delineated restrictions are complied with. If these restrictions are not complied with, the residual risk would be greater and could range up to that under the No-Action Alternative, depending on the specifics of the particular remediation activities.

B5.5 Sources of Uncertainty

There are three significant components needed to estimate human health risk from exposure to hazardous and radioactive contaminants. These components are the source terms, the transport and exposure model, and the conversion of exposure to probable health effects. Each one of these components relies on measurements and estimations that introduce potential inaccuracies. These separate sources of inaccuracy then combine to yield the total inaccuracy or uncertainty in the estimate of overall risk. Estimates of risk associated with potential accidents introduce a fourth

component, the probability of occurrence. These uncertainties, as well as differences in source terms and exposure assumptions, can lead to differences in risk estimates for a given area of the Site in different documents. Comparisons of risk estimates in different documents are therefore difficult to make and should be treated with caution.

B5.5.1 Source Terms

Source terms of hazardous and radioactive contaminants were determined by review of records and subsequently developed databases of material disposal and limited samples of environmental media. These data were subsequently manipulated (for disposal based values) or extrapolated (for sample based values) to develop concentrations of hazardous and radioactive contaminants in the Hanford Site soils and groundwater. Since many of these data are based on historical records, which vary greatly in completeness over time, or on limited sampling, significant sources of error are introduced. To minimize potential underestimates of risk introduced by these potential inaccuracies, subsequent manipulation of historical and sampled data has been conservatively performed. For example, if two or more sources of contaminant inventory at a specific site were in conflict and the conflict could not be satisfactorily resolved, the highest value was chosen. Errors inherent in the source terms dominate the overall uncertainty in the risk estimation.

B5.5.2 Transport and Exposure Models

The uncertainties associated with model predictions are best analyzed by model validation. Model validation is based on comparing predicted values to measured values. Because of the complexity of the model, and because the end point of the model is exposure, which is difficult to measure except for very limited aspects (such as direct exposure from a passing plume as measured by dosimeters), complete validation by comparison to field measurements is not possible. As a result supplementary techniques must be used to determine model uncertainties. Models such as the Multimedia Environmental Pollutant Assessment System (MEPAS) rely on the combination of many parameters to estimate exposure to a receptor from a hazardous or radioactive material. Each of these parameters has a known or expected distribution that can be combined to estimate the total uncertainty in the exposure values predicted by the code. Sensitivity and uncertainty analyses have been performed for the MEPAS code. The expected range of uncertainty introduced by the model is expected to be significantly less than that introduced by uncertainty in the source term. The double precision accuracy option in MEPAS was initially used and compared to single precision results. The results were identical, and single precision was therefore used for most runs to conserve time.

B5.5.3 Conversion of Exposure to Health Effects

Exposure estimates must be converted to a measure of harm. Information used to determine these health effect estimators generally comes from the documented accidental (or war time) exposures of humans to typically very high levels of the hazardous or radioactive material or from tests conducted on laboratory animals. Extrapolations to typical environmental levels or to a human population contain many uncertainties. For example, assumptions must be made regarding the shape of the dose versus response curve and the validity of the extrapolation of animal results to humans. Variations in individual response to a harmful agent are also significant. As a result, statements as to

the potential risk to an individual are more uncertain than statements of risk to the population in general. The range of uncertainty introduced by these exposure to risk conversion factors is anticipated to be somewhat greater than that introduced by the transport and exposure model.

B5.5.4 Accident Occurrence

Except for well established and studied processes, it is generally difficult to determine the probability of an accident. Such determinations generally rely on having a well defined process that can be reduced to simpler processes for which there are established reliability and behavioral characteristics. These determinations most often use probabilistic risk assessment. Such assessments require definitive engineering designs and are labor intensive. Since the specific remediation methods for the alternatives in this EIS have not been selected, no specific designs are available for probabilistic risk assessments and rough qualitative ranges were estimated. Conservative source terms and transport and exposure models were selected to reduce the probability of underestimating the risk from accidents.

Table B5-1. Selected Annual Dose Limits for Exposure to Ionizing Radiation.[a]

Dose Limit (mrem/yr)	Corresponding Estimated Lifetime Excess Cancer Risk[b]	Citation
100	2×10^{-3}	NRC: 10 CFR Part 20, Standards for Protection Against Radiation -- applies to all radioactive sources and all exposure pathways. DOE: Proposed 10 CFR 834, Radiation Protection of the Public and the Environment -- applies to all radioactive sources and all exposure pathways.
25	5×10^{-4}	NRC: 10 CFR Part 61, Licensing Requirements for Land Disposal of Radioactive Waste -- applies to all radioactive sources and all exposure pathways. DOE: Proposed 10 CFR Part 834, Radiation Protection of the Public and the Environment -- applies to all radioactive sources and all exposure pathways associated with waste management. EPA: 40 CFR Part 190, Environmental Radiation Protection Standards for Nuclear Power Operations -- applies to all radioactive sources and all exposure pathways.
15	3×10^{-4}	EPA: Proposed 40 CFR Part 191, Environmental Standards for the Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Waste -- applies to all radioactive sources and all exposure pathways.
10	2×10^{-4}	DOE: Proposed 10 CFR Part 834, Radiation Protection of the Public and the Environment -- applies as a reporting requirement for all radioactive sources and pathways, and as a limit for all radionuclide sources via air emissions. EPA: 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants -- applies as a limit for all radionuclide sources via air emissions.
4	7×10^{-5}	EPA: 40 CFR Part 141, Interim Primary Drinking Water Regulations (1976) -- applies as a limit on anthropogenic radionuclides in drinking water. EPA: 40 CFR Parts 141 and 142, proposed rule for National Primary Drinking Water Regulations - Radionuclides -- applies as a limit for all beta-gamma emitting radionuclides in drinking water.

[a]Excludes annual radiation doses from natural background and medical sources. According to the National Council on Radiation Protection and Measurements Report No. 94 ('Exposure of the Population in the United States and Canada from Natural Background Radiation,' published in 1987), background radiation exposure results in a dose of approximately 300 mrem/yr, or an estimated lifetime cancer risk of about 1×10^{-2}.

[b]Includes fatal and non-fatal cancers (i.e., cancer incidence). Calculated assuming a 30-year residential exposure duration consistent with EPA OSWER Directive 9285.6-03* and a cancer incidence risk conversion factor of 6×10^{-7} per millirem, taken from EPA's "Risk Assessments Methodology, Environmental Impact Statement, NESHAPS for Radionuclides, Background Information Document — Volume I," EPA/520/1-89-005, September 1989.

**Risk Assessment Guidance for Superfund, Volume 1, Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors.* Interim Final, OSWER Directive 9285.6-03.

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
560141	1.11 E+01	--	2.60 E+00	--	1.23 E-01	--	6.88 E-03	--
560142	2.50 E+01	--	5.85 E+00	--	2.77 E-01	--	1.55 E-02	--
560144	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
560145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
560146	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
561141	1.11 E+01	--	2.60 E+00	--	1.23 E-01	--	6.88 E-03	--
561144	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
561145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
561146	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
562141	1.11 E+01	--	2.60 E+00	--	1.23 E-01	--	6.88 E-03	--
562144	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
562145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
562146	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
563143	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
563144	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
563145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
563146	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
564134	2.10 E+00	4.63 E-05	2.09 E+00	4.63 E-05	1.55 E+00	1.87 E-05	4.73 E-02	9.41 E-07
564135	2.10 E+00	4.63 E-05	2.09 E+00	4.63 E-05	1.55 E+00	1.87 E-05	4.73 E-02	9.41 E-07
564136	2.10 E+00	4.63 E-05	2.09 E+00	4.63 E-05	1.55 E+00	1.87 E-05	4.73 E-02	9.41 E-07
564143	--	2.21 E-01	--	2.21 E-01	--	2.77 E-02	--	1.41 E-03
564144	--	6.35 E-06	--	3.47 E-06	--	5.99 E-07	--	5.01 E-08
564145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
565133	1.90 E+00	1.28 E-01	1.73 E+00	1.17 E-01	5.26 E-01	2.45 E-02	2.57 E-02	1.72 E-03
565134	2.36 E+01	1.22 E-03	2.35 E+01	1.21 E-03	1.62 E+01	3.03 E-04	5.10 E-01	1.88 E-05
565135	1.33 E+02	2.93 E-03	1.13 E+02	2.92 E-03	7.85 E+01	1.06 E-03	2.43 E+00	5.63 E-05
565136	4.86 E+01	1.05 E-03	2.93 E+01	1.04 E-03	1.64 E+01	2.86 E-04	5.25 E-01	1.77 E-05
565137	2.77 E+01	4.05 E-02	8.42 E+00	3.43 E-02	1.99 E+00	9.17 E-03	7.02 E-02	6.46 E-04
565143	--	1.22 E-01	--	1.22 E-01	--	1.52 E-02	--	7.77 E-04
565144	5.73 E+00	5.31 E-02	5.73 E+00	5.31 E-02	3.81 E+00	6.70 E-03	1.36 E-01	6.31 E-04
565145	3.12 E-02	1.15 E-02	3.12 E-02	1.15 E-02	2.09 E-02	1.31 E-03	7.38 E-04	7.56 E-05
566133	4.14 E+00	4.02 E-01	3.65 E+00	3.75 E-01	1.18 E+00	7.94 E-02	5.51 E-02	5.65 E-03
566134	9.52 E+01	1.00 E+00	5.21 E+01	1.00 E+00	2.03 E+01	1.00 E+00	8.69 E-01	9.23 E-02
566135	9.99 E+02	1.00 E+00	8.86 E+02	1.00 E+00	6.26 E+02	1.00 E+00	1.93 E+01	1.07 E-01
566136	5.84 E+02	1.00 E+00	4.73 E+02	1.00 E+00	3.16 E+02	8.04 E-01	9.98 E+00	5.23 E-02
566137	4.89 E+02	5.16 E-02	2.75 E+02	4.55 E-02	1.58 E+02	1.17 E-02	4.91 E+00	7.85 E-04

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Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
566142	--	4.88 E-06	--	2.22 E-06	--	3.28 E-07	--	2.74 E-08
566143	--	6.35 E-06	--	3.47 E-06	--	5.99 E-07	--	5.01 E-08
566144	--	6.35 E-06	--	3.47 E-06	--	5.99 E-07	--	5.01 E-08
566145	--	7.53 E-05	--	6.20 E-05	--	9.85 E-06	--	8.15 E-07
566146	--	1.10 E-05	--	9.36 E-06	--	1.48 E-06	--	1.22 E-07
567132	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
567133	2.91 E+01	6.54 E-01	9.52 E+00	6.27 E-01	1.46 E+00	1.10 E-01	7.10 E-02	7.67 E-03
567134	5.12 E+02	1.00 E+00	2.97 E+02	1.00 E+00	1.51 E+02	6.36 E-01	5.55 E+00	5.07 E-02
567135	7.06 E+02	8.26 E-01	4.91 E+02	8.23 E-01	3.15 E+02	1.40 E-01	9.81 E+00	9.03 E-03
567136	5.03 E+02	1.00 E+00	2.89 E+02	1.00 E+00	1.60 E+02	1.00 E+00	5.20 E+00	2.96 E-01
567137	4.91 E+02	9.31 E-01	2.76 E+02	9.24 E-01	1.59 E+02	1.25 E-01	4.93 E+00	8.15 E-03
567138	5.76 E+01	4.63 E-05	1.51 E+01	4.63 E-05	2.16 E+00	1.87 E-05	8.17 E-02	9.41 E-07
567142	--	4.88 E-06	--	2.22 E-06	--	3.28 E-07	--	2.74 E-08
567143	--	6.35 E-06	--	3.47 E-06	--	5.99 E-07	--	5.01 E-08
567144	--	6.35 E-06	--	3.47 E-06	--	5.99 E-07	--	5.01 E-08
567145	--	6.35 E-06	--	3.47 E-06	--	5.99 E-07	--	5.01 E-08
567146	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
568132	--	4.20 E-05	--	3.06 E-05	--	6.37 E-06	--	5.34 E-07
568133	--	2.46 E-03	--	1.99 E-03	--	4.26 E-04	--	3.57 E-05
568134	1.41 E+02	5.86 E-03	3.46 E+01	4.53 E-03	3.09 E+00	8.00 E-04	1.33 E-01	6.62 E-05
568135	2.99 E+02	2.36 E-03	8.59 E+01	1.71 E-03	1.86 E+01	2.74 E-04	6.45 E-01	1.65 E-05
568136	2.80 E+02	8.06 E-05	6.71 E+01	7.35 E-05	4.63 E+00	2.44 E-05	2.19 E-01	1.42 E-06
568137	1.50 E+02	2.66 E-04	4.29 E+01	2.59 E-04	9.29 E+00	9.92 E-05	3.23 E-01	5.18 E-06
568138	2.71 E+01	4.63 E-05	7.94 E+00	4.63 E-05	1.83 E+00	1.87 E-05	6.28 E-02	9.41 E-07
568142	--	3.43 E-05	--	2.72 E-05	--	5.75 E-06	--	4.81 E-07
568143	--	3.43 E-05	--	2.72 E-05	--	5.75 E-06	--	4.81 E-07
568144	--	6.35 E-06	--	3.47 E-06	--	5.99 E-07	--	5.01 E-08
568145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
568146	5.55 E+01	5.78 E-05	1.30 E+01	5.58 E-05	6.15 E-01	6.64 E-06	3.44 E-02	4.37 E-07
568147	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
569132	--	4.20 E-05	--	3.06 E-05	--	6.37 E-06	--	5.34 E-07
569133	--	5.46 E-04	--	3.63 E-04	--	7.33 E-05	--	6.14 E-06
569134	5.76 E+01	6.80 E-04	1.51 E+01	4.49 E-04	2.16 E+00	9.79 E-05	8.17 E-02	7.58 E-06
569135	5.76 E+01	3.58 E-04	1.51 E+01	3.04 E-04	2.16 E+00	7.42 E-05	8.17 E-02	5.59 E-06
569136	5.55 E+01	3.43 E-05	1.30 E+01	2.72 E-05	6.15 E-01	5.75 E-06	3.44 E-02	4.81 E-07
569137	2.50 E+01	--	5.85 E+00	--	2.77 E-01	--	1.55 E-02	--

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
569140	--	3.00 E-01	--	3.00 E-01	--	2.96 E-02	--	1.93 E-03
569142	--	3.43 E-05	--	2.72 E-05	--	5.75 E-06	--	4.81 E-07
569143	1.11 E+01	3.43 E-05	2.60 E+00	2.72 E-05	1.23 E-01	5.75 E-06	6.88 E-03	4.81 E-07
569144	1.11 E+01	6.35 E-06	2.60 E+00	3.47 E-06	1.23 E-01	5.99 E-07	6.88 E-03	5.01 E-08
569145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
569146	9.71 E+01	5.21 E-02	8.86 E+01	5.20 E-02	1.28 E+01	6.54 E-03	1.85 E+00	3.35 E-04
569147	4.95 E+01	3.62 E-01	4.08 E+01	3.52 E-01	2.54 E+01	5.30 E-02	9.02 E-01	5.14 E-03
569148	1.12 E+00	7.77 E-02	9.61 E-01	6.63 E-02	3.29 E-01	1.79 E-02	1.47 E-02	1.29 E-03
570132	--	4.20 E-05	--	3.06 E-05	--	6.37 E-06	--	5.34 E-07
570133	--	3.07 E-04	--	2.56 E-04	--	5.52 E-05	--	4.62 E-06
570134	5.55 E+01	3.11 E-04	1.30 E+01	2.58 E-04	6.15 E-01	5.55 E-05	3.44 E-02	4.65 E-06
570135	5.55 E+01	3.11 E-04	1.30 E+01	2.58 E-04	6.15 E-01	5.55 E-05	3.44 E-02	4.65 E-06
570136	2.50 E+01	3.43 E-05	5.85 E+00	2.72 E-05	2.77 E-01	5.75 E-06	1.55 E-02	4.81 E-07
570137	2.50 E+01	--	5.85 E+00	--	2.77 E-01	--	1.55 E-02	--
570139	--	6.35 E-06	--	3.47 E-06	--	5.99 E-07	--	5.01 E-08
570140	--	3.06 E-03	--	3.05 E-03	--	4.35 E-04	--	2.84 E-05
570141	1.11 E+01	3.43 E-05	2.60 E+00	2.72 E-05	1.23 E-01	5.75 E-06	6.88 E-03	4.81 E-07
570142	1.11 E+01	3.43 E-05	2.60 E+00	2.72 E-05	1.23 E-01	5.75 E-06	6.88 E-03	4.81 E-07
570143	1.11 E+01	3.43 E-05	2.60 E+00	2.72 E-05	1.23 E-01	5.75 E-06	6.88 E-03	4.81 E-07
570144	1.11 E+01	6.35 E-06	2.60 E+00	3.47 E-06	1.23 E-01	5.99 E-07	6.88 E-03	5.01 E-08
570145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
570146	5.60 E-01	4.05 E-02	4.81 E-01	3.43 E-02	1.64 E-01	9.15 E-03	7.35 E-03	6.45 E-04
570147	1.22 E+01	7.77 E-02	3.56 E+00	6.63 E-02	4.52 E-01	1.79 E-02	2.16 E-02	1.29 E-03
570148	1.12 E+00	7.77 E-02	9.61 E-01	6.63 E-02	3.29 E-01	1.79 E-02	1.47 E-02	1.29 E-03
570149	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
571132	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
571133	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
571134	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
571135	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
571136	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
571137	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
571139	2.50 E+01	8.93 E-05	5.85 E+00	4.12 E-05	2.77 E-01	6.16 E-06	1.55 E-02	5.17 E-07
571140	2.50 E+01	4.51 E-03	5.85 E+00	4.46 E-03	2.77 E-01	6.31 E-04	1.55 E-02	4.12 E-05
571141	1.11 E+01	3.43 E-05	2.60 E+00	2.72 E-05	1.23 E-01	5.75 E-06	6.88 E-03	4.81 E-07
571142	1.11 E+01	3.43 E-05	2.60 E+00	2.72 E-05	1.23 E-01	5.75 E-06	6.88 E-03	4.81 E-07
571143	1.11 E+01	6.35 E-06	2.60 E+00	3.47 E-06	1.23 E-01	5.99 E-07	6.88 E-03	5.01 E-08

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
571144	1.11 E+01	6.35 E-06	2.60 E+00	3.47 E-06	1.23 E-01	5.99 E-07	6.88 E-03	5.01 E-08
571145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
571146	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
571147	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
571148	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
571149	2.50 E+01	1.00 E+00	5.85 E+00	1.00 E+00	2.77 E-01	1.19 E-01	1.55 E-02	6.68 E-03
571150	--	9.84 E-05	--	8.35 E-05	--	1.47 E-05	--	1.22 E-06
572133	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
572134	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
572135	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
572136	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
572137	2.58 E+01	5.57 E-04	6.62 E+00	4.62 E-04	4.74 E-01	8.97 E-05	2.65 E-02	7.51 E-06
572138	2.58 E+01	2.77 E-04	6.62 E+00	2.19 E-04	4.74 E-01	3.67 E-05	2.65 E-02	3.08 E-06
572139	2.50 E+01	8.93 E-05	5.85 E+00	4.12 E-05	2.77 E-01	6.16 E-06	1.55 E-02	5.17 E-07
572140	5.55 E+01	8.93 E-05	1.30 E+01	4.12 E-05	6.15 E-01	6.16 E-06	3.44 E-02	5.17 E-07
572141	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
572142	1.11 E+01	6.35 E-06	2.60 E+00	3.47 E-06	1.23 E-01	5.99 E-07	6.88 E-03	5.01 E-08
572143	1.11 E+01	6.35 E-06	2.60 E+00	3.47 E-06	1.23 E-01	5.99 E-07	6.88 E-03	5.01 E-08
572144	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
572145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
572146	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
572147	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
572148	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
572149	1.11 E+01	9.84 E-05	2.60 E+00	8.35 E-05	1.23 E-01	1.47 E-05	6.88 E-03	1.22 E-06
572150	1.22 E+01	2.49 E-01	3.56 E+00	2.38 E-01	4.52 E-01	3.95 E-02	2.16 E-02	2.39 E-03
572151	2.61 E+01	7.77 E-02	6.81 E+00	6.63 E-02	6.06 E-01	1.79 E-02	3.02 E-02	1.29 E-03
572152	1.12 E+00	7.77 E-02	9.61 E-01	6.63 E-02	3.29 E-01	1.79 E-02	1.47 E-02	1.29 E-03
573134	5.93 E+00	1.00 E+00	5.93 E+00	1.00 E+00	6.45 E-01	1.00 E+00	1.15 E-01	2.17 E-01
573135	1.45 E+00	6.36 E-04	1.43 E+00	5.80 E-04	4.41 E-01	1.27 E-04	2.18 E-02	9.72 E-06
573136	1.19 E+02	1.00 E+00	7.67 E+01	1.00 E+00	2.62 E+01	7.97 E-01	1.43 E+00	5.28 E-02
573137	1.51 E+02	1.00 E+00	1.32 E+02	1.00 E+00	1.38 E+01	7.60 E-01	2.54 E+00	4.97 E-02
573138	1.51 E+02	2.19 E-03	4.45 E+01	1.11 E-03	4.43 E+00	1.68 E-04	1.79 E-01	1.41 E-05
573139	5.63 E+01	4.80 E-04	1.38 E+01	3.28 E-04	8.12 E-01	5.38 E-05	4.54 E-02	4.51 E-06
573140	--	6.35 E-06	--	3.47 E-06	--	5.99 E-07	--	5.01 E-08
573141	--	8.49 E-04	--	7.74 E-04	--	5.44 E-05	--	4.59 E-04
573142	--	6.35 E-06	--	3.47 E-06	--	5.99 E-07	--	5.01 E-08

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
573143	--	6.35 E-06	--	3.47 E-06	--	5.99 E-07	--	5.01 E-08
573144	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
573145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
573146	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
573147	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
573148	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
573149	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
573150	2.50 E+01	9.28 E-03	5.85 E+00	9.28 E-03	2.77 E-01	1.18 E-03	1.55 E-02	5.95 E-05
573151	4.48 E+01	5.15 E-01	2.41 E+01	4.80 E-01	8.15 E+00	1.65 E-01	3.57 E-01	1.36 E-02
573152	6.68 E+01	4.35 E-01	2.27 E+01	4.00 E-01	3.99 E+00	1.54 E-01	1.85 E-01	1.27 E-02
574132	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
574133	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
574134	1.19 E+01	4.97 E-04	3.37 E+00	4.39 E-04	3.20 E-01	8.66 E-05	1.79 E-02	7.25 E-06
574135	5.63 E+01	1.75 E-01	1.38 E+01	1.75 E-01	8.12 E-01	2.97 E-02	4.54 E-02	1.94 E-03
574136	4.18 E+01	1.05 E-01	2.27 E+01	1.05 E-01	5.74 E+00	3.75 E-02	4.64 E-01	2.43 E-03
574137	1.30 E+00	3.38 E-04	1.28 E+00	3.19 E-04	3.29 E-01	5.60 E-05	1.84 E-02	4.69 E-06
574138	6.00 E+01	5.60 E-04	1.75 E+01	2.77 E-04	1.70 E+00	4.20 E-05	6.72 E-02	3.53 E-06
574139	2.83 E-02	9.39 E-02	6.63 E-03	9.39 E-02	3.14 E-04	1.06 E-02	1.75 E-05	6.91 E-04
574140	2.55 E-02	1.25 E-05	5.98 E-03	1.06 E-05	2.83 E-04	1.75 E-06	1.58 E-05	1.45 E-07
574141	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
574142	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
574143	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
574144	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
574145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
574146	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
574147	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
574148	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
574149	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
574150	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
574151	2.61 E+01	7.77 E-02	6.81 E+00	6.63 E-02	6.06 E-01	1.79 E-02	3.02 E-02	1.29 E-03
574152	5.69 E+01	2.44 E-01	1.42 E+01	2.32 E-01	1.12 E+00	3.53 E-02	5.51 E-02	2.37 E-03
574153	1.22 E+01	7.77 E-02	3.56 E+00	6.63 E-02	4.52 E-01	1.79 E-02	2.16 E-02	1.29 E-03
574154	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575131	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575132	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
575133	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
575134	1.19 E+01	4.97 E-04	3.37 E+00	4.39 E-04	3.20 E-01	8.66 E-05	1.79 E-02	7.25 E-06
575135	1.46 E+02	1.00 E+00	3.90 E+01	1.00 E+00	3.68 E+00	5.48 E-01	2.09 E-01	3.61 E-02
575136	6.39 E+01	1.00 E+00	2.11 E+01	1.00 E+00	3.63 E+00	1.44 E-01	2.11 E-01	9.67 E-03
575137	7.80 E-01	9.42 E-04	7.68 E-01	9.26 E-04	1.97 E-01	3.99 E-04	1.10 E-02	2.65 E-05
575139	5.55 E+01	1.25 E-05	1.30 E+01	1.06 E-05	6.15 E-01	1.75 E-06	3.44 E-02	1.45 E-07
575140	2.50 E+01	1.25 E-05	5.85 E+00	1.06 E-05	2.77 E-01	1.75 E-06	1.55 E-02	1.45 E-07
575141	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575142	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575143	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575144	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575146	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575147	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575148	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575149	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575150	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
575152	1.17 E+01	4.05 E-02	3.08 E+00	3.43 E-02	2.87 E-01	9.15 E-03	1.42 E-02	6.45 E-04
575153	5.60 E-01	4.05 E-02	4.81 E-01	3.43 E-02	1.64 E-01	9.15 E-03	7.35 E-03	6.45 E-04
575154	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
576130	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
576131	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
576132	1.11 E+01	3.07 E-04	2.60 E+00	2.56 E-04	1.23 E-01	5.52 E-05	6.88 E-03	4.62 E-06
576133	1.11 E+01	3.07 E-04	2.60 E+00	2.56 E-04	1.23 E-01	5.52 E-05	6.88 E-03	4.62 E-06
576134	7.80 E-01	2.17 E-04	7.68 E-01	2.03 E-04	1.97 E-01	3.60 E-05	1.10 E-02	3.01 E-06
576135	2.60 E+00	6.24 E-04	2.56 E+00	6.03 E-04	6.58 E-01	1.05 E-04	3.68 E-02	8.79 E-06
576136	1.30 E+00	4.10 E-01	1.28 E+00	2.20 E-01	3.29 E-01	2.91 E-02	1.84 E-02	2.65 E-02
576137	7.80 E-01	2.15 E-04	7.68 E-01	2.06 E-04	1.97 E-01	3.65 E-05	1.10 E-02	3.06 E-06
576138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
576139	5.55 E+01	1.25 E-05	1.30 E+01	1.06 E-05	6.15 E-01	1.75 E-06	3.44 E-02	1.45 E-07
576140	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
576142	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
576143	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
576144	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
576145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
576146	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
576147	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
576148	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
576149	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
576150	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
576151	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
576152	1.22 E+01	7.77 E-02	3.56 E+00	6.63 E-02	4.52 E-01	1.79 E-02	2.16 E-02	1.29 E-03
576153	1.22 E+01	7.77 E-02	3.56 E+00	6.63 E-02	4.52 E-01	1.79 E-02	2.16 E-02	1.29 E-03
576154	1.12 E+00	7.77 E-02	9.61 E-01	6.63 E-02	3.29 E-01	1.79 E-02	1.47 E-02	1.29 E-03
577128	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577129	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577130	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
577131	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
577132	1.11 E+01	3.07 E-04	2.60 E+00	2.56 E-04	1.23 E-01	5.52 E-05	6.88 E-03	4.62 E-06
577133	1.11 E+01	3.57 E-04	2.60 E+00	2.78 E-04	1.23 E-01	5.90 E-05	6.88 E-03	4.94 E-06
577134	--	4.20 E-05	--	3.06 E-05	--	6.37 E-06	--	5.34 E-07
577135	7.80 E-01	2.04 E-04	7.68 E-01	1.97 E-04	1.97 E-01	3.50 E-05	1.10 E-02	2.93 E-06
577136	1.30 E+00	3.20 E-04	1.28 E+00	3.11 E-04	3.29 E-01	5.47 E-05	1.84 E-02	4.58 E-06
577137	7.80 E-01	2.04 E-04	7.68 E-01	1.97 E-04	1.97 E-01	3.50 E-05	1.10 E-02	2.93 E-06
577138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577139	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577140	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577142	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577143	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577144	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577145	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577146	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
577147	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
577148	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
577149	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577150	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577151	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
577152	2.07 E+01	1.77 E-01	1.21 E+01	1.66 E-01	5.72 E+00	3.07 E-02	2.19 E-01	2.34 E-03
577153	1.11 E+01	1.83 E-06	2.60 E+00	1.57 E-06	1.23 E-01	2.79 E-07	6.88 E-03	2.33 E-08
578125	1.11 E+01	--	2.60 E+00	--	1.23 E-01	--	6.88 E-03	--
578127	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
578128	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
578129	1.11 E+01	3.36 E-05	2.60 E+00	2.92 E-05	1.23 E-01	7.51 E-06	6.88 E-03	5.48 E-07

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
578130	1.19 E+01	2.09 E-04	3.37 E+00	2.01 E-04	3.20 E-01	3.71 E-05	1.79 E-02	3.03 E-06
578131	1.11 E+01	3.07 E-04	2.60 E+00	2.56 E-04	1.23 E-01	5.52 E-05	6.88 E-03	4.62 E-06
578132	1.11 E+01	3.07 E-04	2.60 E+00	2.56 E-04	1.23 E-01	5.52 E-05	6.88 E-03	4.62 E-06
578133	1.11 E+01	3.07 E-04	2.60 E+00	2.56 E-04	1.23 E-01	5.52 E-05	6.88 E-03	4.62 E-06
578134	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
578135	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
578136	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
578137	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
578138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
578139	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
578142	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
578143	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
578144	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
578145	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
578146	2.50 E+01	3.06 E-05	5.85 E+00	3.04 E-05	2.77 E-01	1.49 E-05	1.55 E-02	6.84 E-07
578147	2.50 E+01	3.06 E-05	5.85 E+00	3.04 E-05	2.77 E-01	1.49 E-05	1.55 E-02	6.84 E-07
578148	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
578149	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
578150	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
578151	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
578152	2.65 E+01	7.98 E-02	7.19 E+00	6.84 E-02	8.58 E-01	1.82 E-02	3.91 E-02	1.32 E-03
578153	1.12 E+00	7.77 E-02	9.61 E-01	6.63 E-02	3.29 E-01	1.79 E-02	1.47 E-02	1.29 E-03
579126	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
579127	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
579128	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
579129	1.11 E+01	4.62 E-05	2.60 E+00	3.48 E-05	1.23 E-01	8.47 E-06	6.88 E-03	6.29 E-07
579130	1.19 E+01	5.02 E-04	3.37 E+00	4.48 E-04	3.20 E-01	9.53 E-05	1.79 E-02	7.57 E-06
579131	1.19 E+01	4.82 E-04	3.37 E+00	4.28 E-04	3.20 E-01	8.48 E-05	1.79 E-02	7.10 E-06
579132	1.11 E+01	3.07 E-04	2.60 E+00	2.56 E-04	1.23 E-01	5.52 E-05	6.88 E-03	4.62 E-06
579133	1.11 E+01	4.20 E-05	2.60 E+00	3.06 E-05	1.23 E-01	6.37 E-06	6.88 E-03	5.34 E-07
579134	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
579135	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
579136	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
579137	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
579138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
579139	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
579142	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
579143	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
579144	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
579145	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
579146	5.55 E+01	3.06 E-05	1.30 E+01	3.04 E-05	6.15 E-01	1.49 E-05	3.44 E-02	6.84 E-07
579147	5.55 E+01	1.79 E-02	1.30 E+01	1.79 E-02	6.15 E-01	2.27 E-03	3.44 E-02	1.15 E-04
579148	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
579149	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
579150	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
579151	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
580125	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
580126	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
580127	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
580128	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
580129	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
580130	1.11 E+01	2.94 E-04	2.60 E+00	2.50 E-04	1.23 E-01	5.42 E-05	6.88 E-03	4.54 E-06
580131	1.11 E+01	2.94 E-04	2.60 E+00	2.50 E-04	1.23 E-01	5.42 E-05	6.88 E-03	4.54 E-06
580132	1.11 E+01	2.94 E-04	2.60 E+00	2.50 E-04	1.23 E-01	5.42 E-05	6.88 E-03	4.54 E-06
580133	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
580134	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
580135	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
580136	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
580137	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
580138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
580139	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
580141	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
580142	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
580143	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
580144	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
580145	5.55 E+01	1.47 E-06	1.30 E+01	1.25 E-06	6.15 E-01	2.71 E-07	3.44 E-02	2.27 E-08
580146	5.55 E+01	4.60 E-05	1.30 E+01	4.16 E-05	6.15 E-01	1.38 E-05	3.44 E-02	8.32 E-07
580147	6.10 E+01	7.33 E-02	1.85 E+01	7.33 E-02	1.82 E+00	9.19 E-03	1.46 E-01	5.29 E-04
580148	1.11 E+01	1.25 E-05	2.60 E+00	1.06 E-05	1.23 E-01	1.75 E-06	6.88 E-03	1.45 E-07
581124	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
581125	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
581126	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
581127	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
581128	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
581129	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
581130	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
581131	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
581132	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
581133	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
581134	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
581135	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
581136	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
581137	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
581138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
581139	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
581141	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
581142	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
581143	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
581144	5.55 E+01	1.47 E-06	1.30 E+01	1.25 E-06	6.15 E-01	2.71 E-07	3.44 E-02	2.27 E-08
581145	5.55 E+01	1.47 E-06	1.30 E+01	1.25 E-06	6.15 E-01	2.71 E-07	3.44 E-02	2.27 E-08
581146	5.55 E+01	8.96 E-06	1.30 E+01	8.74 E-06	6.15 E-01	4.03 E-06	3.44 E-02	1.93 E-07
581147	2.52 E+01	1.97 E-03	6.07 E+00	1.96 E-03	4.28 E-01	2.40 E-04	2.08 E-02	2.48 E-05
581148	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
582123	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
582124	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
582125	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
582126	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
582127	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
582128	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
582129	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
582130	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
582131	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
582132	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
582133	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
582134	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
582135	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
582136	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
582137	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
582138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
582139	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
582140	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
582141	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
582142	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
582143	5.55 E+01	1.47 E-06	1.30 E+01	1.25 E-06	6.15 E-01	2.71 E-07	3.44 E-02	2.27 E-08
582144	5.55 E+01	1.47 E-06	1.30 E+01	1.25 E-06	6.15 E-01	2.71 E-07	3.44 E-02	2.27 E-08
582145	5.55 E+01	1.47 E-06	1.30 E+01	1.25 E-06	6.15 E-01	2.71 E-07	3.44 E-02	2.27 E-08
582146	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
582147	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
583122	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
583123	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
583124	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
583125	1.11 E+00	2.94 E-05	2.60 E-01	2.50 E-05	1.23 E-02	5.42 E-06	6.88 E-04	4.54 E-07
583126	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
583127	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
583128	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
583129	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
583130	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
583131	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
583132	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
583133	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
583134	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
583135	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
583136	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
583137	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
583138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
583139	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
583140	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
583141	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
583142	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
583143	5.55 E+01	1.47 E-06	1.30 E+01	1.25 E-06	6.15 E-01	2.71 E-07	3.44 E-02	2.27 E-08
583144	5.55 E+01	1.47 E-06	1.30 E+01	1.25 E-06	6.15 E-01	2.71 E-07	3.44 E-02	2.27 E-08
584121	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
584122	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
584123	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
584124	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
584125	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
584126	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
584127	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
584128	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
584129	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
584130	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
584131	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
584132	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
584133	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
584134	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
584135	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
584136	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
584137	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
584138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
584139	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
584140	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
584141	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
584142	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
585121	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
585122	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
585123	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
585124	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
585125	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
585126	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
585127	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
585128	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
585129	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
585130	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
585131	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
585132	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
585133	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
585134	--	2.94 E-04	--	2.50 E-04	--	5.42 E-05	--	4.54 E-06
585135	--	2.94 E-04	--	2.50 E-04	--	5.42 E-05	--	4.54 E-06
585136	--	2.94 E-04	--	2.50 E-04	--	5.42 E-05	--	4.54 E-06
585137	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
585138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
585139	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
585141	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
586120	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
586121	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
586122	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
586123	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
586124	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
586125	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
586126	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
586127	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
586128	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
586129	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
586130	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
586131	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
586132	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
586133	1.11 E+01	2.94 E-04	2.60 E+00	2.50 E-04	1.23 E-01	5.42 E-05	6.88 E-03	4.54 E-06
586134	1.11 E+01	2.94 E-04	2.60 E+00	2.50 E-04	1.23 E-01	5.42 E-05	6.88 E-03	4.54 E-06
586135	--	2.94 E-04	--	2.50 E-04	--	5.42 E-05	--	4.54 E-06
586136	--	2.94 E-04	--	2.50 E-04	--	5.42 E-05	--	4.54 E-06
586137	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
586138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
587120	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
587121	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
587122	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
587123	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
587124	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
587125	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
587126	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
587127	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
587128	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
587129	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
587130	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
587131	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
587132	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
587133	--	2.94 E-04	--	2.50 E-04	--	5.42 E-05	--	4.54 E-06

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
587134	1.11 E+01	2.99 E-04	2.60 E+00	2.52 E-04	1.23 E-01	5.45 E-05	6.88 E-03	4.57 E-06
587135	--	2.99 E-04	--	2.52 E-04	--	5.45 E-05	--	4.57 E-06
587136	--	2.99 E-04	--	2.52 E-04	--	5.45 E-05	--	4.57 E-06
587137	--	3.43 E-05	--	2.72 E-05	--	5.75 E-06	--	4.81 E-07
587138	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
588120	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
588121	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
588122	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
588123	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
588124	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
588125	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
588126	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
588127	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
588128	2.50 E+01	1.47 E-06	5.85 E+00	1.25 E-06	2.77 E-01	2.71 E-07	1.55 E-02	2.27 E-08
588129	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
588130	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
588131	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
588132	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
588133	1.11 E+01	2.99 E-04	2.60 E+00	2.52 E-04	1.23 E-01	5.45 E-05	6.88 E-03	4.57 E-06
588134	1.11 E+01	2.99 E-04	2.60 E+00	2.52 E-04	1.23 E-01	5.45 E-05	6.88 E-03	4.57 E-06
588135	--	2.99 E-04	--	2.52 E-04	--	5.45 E-05	--	4.57 E-06
588136	--	2.99 E-04	--	2.52 E-04	--	5.45 E-05	--	4.57 E-06
588137	1.11 E+01	2.99 E-04	2.60 E+00	2.52 E-04	1.23 E-01	5.45 E-05	6.88 E-03	4.57 E-06
588138	1.11 E+01	--	2.60 E+00	--	1.23 E-01	--	6.88 E-03	--
589120	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
589121	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
589122	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
589123	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
589124	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
589125	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
589126	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
589127	1.11 E+01	2.89 E-02	2.60 E+00	2.89 E-02	1.23 E-01	3.65 E-03	6.88 E-03	1.85 E-04
589128	1.11 E+01	1.47 E-06	2.60 E+00	1.25 E-06	1.23 E-01	2.71 E-07	6.88 E-03	2.27 E-08
589129	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
589130	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07
589131	2.50 E+01	2.94 E-05	5.85 E+00	2.50 E-05	2.77 E-01	5.42 E-06	1.55 E-02	4.54 E-07

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
589132	1.11 E+01	2.94 E-05	2.60 E+00	2.50 E-05	1.23 E-01	5.42 E-06	6.88 E-03	4.54 E-07
589133	1.11 E+01	3.43 E-05	2.60 E+00	2.72 E-05	1.23 E-01	5.75 E-06	6.88 E-03	4.81 E-07
589134	1.11 E+01	2.99 E-04	2.60 E+00	2.52 E-04	1.23 E-01	5.45 E-05	6.88 E-03	4.57 E-06
589135	1.11 E+01	2.99 E-04	2.60 E+00	2.52 E-04	1.23 E-01	5.45 E-05	6.88 E-03	4.57 E-06
589136	1.11 E+01	2.99 E-04	2.60 E+00	2.52 E-04	1.23 E-01	5.45 E-05	6.88 E-03	4.57 E-06
589137	1.11 E+01	2.99 E-04	2.60 E+00	2.52 E-04	1.23 E-01	5.45 E-05	6.88 E-03	4.57 E-06
589138	1.11 E+01	--	2.60 E+00	--	1.23 E-01	--	6.88 E-03	--
590119	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
590120	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
590121	--	1.66 E-02	--	1.66 E-02	--	3.12 E-03	--	1.76 E-04
590122	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
590123	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
590124	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
590125	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
590126	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
590127	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
590128	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
590129	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
590130	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
590131	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
590132	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
590133	--	3.43 E-05	--	2.72 E-05	--	5.75 E-06	--	4.81 E-07
590134	--	3.43 E-05	--	2.72 E-05	--	5.75 E-06	--	4.81 E-07
590135	--	2.99 E-04	--	2.52 E-04	--	5.45 E-05	--	4.57 E-06
590136	--	2.99 E-04	--	2.52 E-04	--	5.45 E-05	--	4.57 E-06
591119	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
591120	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
591121	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
591122	1.55 E+01	2.94 E-05	1.55 E+01	2.50 E-05	1.76 E+00	5.42 E-06	3.14 E-01	4.54 E-07
591123	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
591124	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
591125	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
591126	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
591127	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
591128	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
591129	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
591130	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
591131	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
591132	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
591133	--	3.43 E-05	--	2.72 E-05	--	5.75 E-06	--	4.81 E-07
591134	--	3.43 E-05	--	2.72 E-05	--	5.75 E-06	--	4.81 E-07
591135	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
592116	--	2.42 E-01	--	2.42 E-01	--	1.44 E-01	--	9.29 E-03
592118	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
592119	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
592120	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
592121	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
592122	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
592123	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
592124	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
592125	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
592126	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
592127	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
592128	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
592129	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
592130	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
592131	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
592132	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
592133	--	3.43 E-05	--	2.72 E-05	--	5.75 E-06	--	4.81 E-07
592134	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
593116	--	2.05 E-04	--	1.83 E-04	--	8.52 E-06	--	5.23 E-07
593117	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593118	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593119	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593120	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593121	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593122	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593123	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593124	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593125	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593126	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593127	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08

Table B5-2. Statistical Increase in Individual Risk at T_0 (Year 1989). (17 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
593128	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593129	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593130	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
593131	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
593132	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
593133	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
594115	1.24 E+01	8.67 E-01	1.24 E+01	8.67 E-01	1.70 E+00	1.71 E-01	2.44 E-01	8.84 E-03
594116	--	9.68 E-01	--	9.67 E-01	--	9.52 E-02	--	6.22 E-03
594117	--	1.84 E-04	--	1.62 E-04	--	4.50 E-06	--	3.29 E-07
594118	--	2.94 E-06	--	2.50 E-06	--	5.42 E-07	--	4.54 E-08
594119	--	2.94 E-06	--	2.50 E-06	--	5.42 E-07	--	4.54 E-08
594120	--	2.94 E-06	--	2.50 E-06	--	5.42 E-07	--	4.54 E-08
594121	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
594122	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
594123	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
594124	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
594125	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
594126	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
594127	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
594128	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
594129	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
594130	--	1.47 E-06	--	1.25 E-06	--	2.71 E-07	--	2.27 E-08
594131	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07
594132	--	2.94 E-05	--	2.50 E-05	--	5.42 E-06	--	4.54 E-07

*Includes cancer risk and noncarcinogenic chemical risk.

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
490057	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
490067	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
490077	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
490087	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
490097	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
490107	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
490117	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
490127	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
490137	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
490147	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
490157	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
490167	0.00 E+00	1.70 E-12	0.00 E+00	1.68 E-12	0.00 E+00	1.57 E-13	0.00 E+00	1.45 E-14
490177	0.00 E+00	2.51 E-14	0.00 E+00	1.74 E-14	0.00 E+00	5.09 E-15	0.00 E+00	2.37 E-16
500057	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
500067	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
500077	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
500087	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
500097	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
500107	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
500117	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
500127	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
500137	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
500147	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
500157	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
500167	3.80 E-04	1.98 E-08	3.80 E-04	1.98 E-08	2.59 E-04	8.20 E-09	7.23 E-06	6.15 E-10
500177	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
500187	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
500197	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
500207	3.78 E-04	1.88 E-08	3.78 E-04	1.88 E-08	2.58 E-04	7.86 E-09	7.20 E-06	5.84 E-10
510057	3.82 E-04	1.98 E-08	3.82 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
510067	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
510077	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
510087	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
510097	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
510107	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
510117	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	510127	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
2	510137	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
3	510147	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
4	510157	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
5	510167	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
6	510177	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
7	510187	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
8	510197	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
9	510207	3.81 E-04	1.98 E-08	3.81 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
10	520057	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
11	520067	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
12	520077	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
13	520087	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
14	520097	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
15	520107	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
16	520117	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
17	520127	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
18	520137	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
19	520147	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
20	520157	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
21	520167	3.82 E-04	1.98 E-08	3.82 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
22	520177	3.82 E-04	1.98 E-08	3.82 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
23	520187	3.82 E-04	1.98 E-08	3.82 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
24	520197	3.82 E-04	1.98 E-08	3.82 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
25	520207	3.82 E-04	1.98 E-08	3.82 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
26	530057	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
27	530067	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
28	530077	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
29	530087	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
30	530097	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
31	530107	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
32	530117	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
33	530127	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
34	530137	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
35	530147	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
36	530157	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10

Table B5-3. Statistical Increase in Individual Risk at T_{∞} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
530167	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
530177	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
530187	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
530197	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
530207	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
540057	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
540067	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
540077	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
540087	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
540097	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
540107	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
540117	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
540127	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
540137	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
540147	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
540157	1.11 E-03	3.14 E-08	1.11 E-03	3.14 E-08	7.59 E-04	1.35 E-08	2.12 E-05	8.36 E-10
540167	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
540177	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
540187	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
540197	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
540207	3.83 E-04	1.98 E-08	3.83 E-04	1.98 E-08	2.60 E-04	8.20 E-09	7.25 E-06	6.15 E-10
550057	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
550067	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
550077	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
550087	1.13 E-03	8.40 E-08	1.13 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
550097	1.13 E-03	8.40 E-08	1.13 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
550107	1.13 E-03	8.40 E-08	1.13 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
550117	1.13 E-03	8.40 E-08	1.13 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
550127	1.13 E-03	8.40 E-08	1.13 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
550137	1.13 E-03	8.40 E-08	1.13 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
550147	1.13 E-03	8.40 E-08	1.13 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
550157	1.13 E-03	8.40 E-08	1.13 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
550167	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
550177	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
550187	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
550197	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
550207	1.13 E-03	8.00 E-08	1.13 E-03	8.00 E-08	7.59 E-04	3.30 E-08	2.12 E-05	2.61 E-09
560057	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560067	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560077	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560087	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560097	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560107	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560117	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560157	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560167	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560177	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560187	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560197	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
560207	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
561128	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561129	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561130	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561131	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561132	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561133	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561134	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561135	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561136	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561137	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561138	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561139	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561140	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561141	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561142	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561143	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561144	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561145	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561146	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561147	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561148	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561149	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
561150	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561151	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561152	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561153	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561154	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561155	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
561156	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
562128	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
562129	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
562130	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
562131	9.64 E-03	1.34 E-06	9.64 E-03	1.34 E-06	6.15 E-03	5.40 E-07	1.72 E-04	4.64 E-08
562132	9.64 E-03	6.43 E-06	9.64 E-03	6.43 E-06	6.15 E-03	2.58 E-06	1.72 E-04	2.35 E-07
562133	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562134	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562135	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562136	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562137	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562138	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562139	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562140	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562141	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562142	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562143	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562144	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562145	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562146	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562147	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562148	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562149	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562150	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562151	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562152	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562153	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562154	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562155	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
562156	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
563128	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
563129	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
563130	3.61 E-02	6.85 E-06	3.61 E-02	6.85 E-06	2.40 E-02	2.77 E-06	6.73 E-04	2.43 E-07
563131	3.61 E-02	6.87 E-06	3.61 E-02	6.87 E-06	2.40 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563132	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563133	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563134	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563135	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563136	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563137	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563138	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563139	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563140	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563141	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563142	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563143	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563144	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563145	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563146	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563147	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563148	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563149	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563150	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563151	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563152	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563153	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563154	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563155	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
563156	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
564128	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
564129	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
564130	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
564131	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
564132	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
564133	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07
564134	3.94 E-02	6.87 E-06	3.94 E-02	6.87 E-06	2.41 E-02	2.78 E-06	6.73 E-04	2.43 E-07

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
564135	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564136	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564137	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564138	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564139	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564140	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564141	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564142	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564143	3.94 E-02	4.92 E-02	3.94 E-02	4.92 E-02	2.41 E-02	5.82 E-03	6.73 E-04	3.16 E-04
564144	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564145	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564146	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564147	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564148	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564149	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564150	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564151	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564152	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564153	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564154	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564155	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
564156	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
565128	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
565129	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
565130	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.73 E-04	2.45 E-07
565131	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.74 E-04	2.45 E-07
565132	3.94 E-02	6.94 E-06	3.94 E-02	6.94 E-06	2.41 E-02	2.81 E-06	6.74 E-04	2.45 E-07
565133	3.94 E-02	3.39 E-01	3.94 E-02	3.39 E-01	2.41 E-02	5.46 E-02	6.74 E-04	3.55 E-03
565134	1.67 E-01	1.20 E-04	1.67 E-01	1.20 E-04	1.11 E-01	2.28 E-05	3.10 E-03	1.82 E-06
565135	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565136	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565137	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565138	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565139	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565140	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565141	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
565142	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565143	1.67 E-01	3.70 E-02	1.67 E-01	3.70 E-02	1.11 E-01	4.33 E-03	3.10 E-03	2.38 E-04
565144	1.91 E-01	3.23 E-02	1.91 E-01	3.23 E-02	1.14 E-01	3.62 E-03	3.55 E-03	2.20 E-04
565145	1.68 E-01	3.60 E-01	1.68 E-01	3.60 E-01	1.11 E-01	3.93 E-02	3.10 E-03	2.38 E-03
565146	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565147	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565148	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565149	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565150	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565151	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565152	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565153	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565154	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565155	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
565156	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566128	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566129	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566130	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566131	1.67 E-01	3.56 E-05	1.67 E-01	3.56 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566132	1.67 E-01	3.57 E-05	1.67 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566133	1.92 E-01	1.00 E+00	1.92 E-01	1.00 E+00	1.12 E-01	3.32 E-01	3.12 E-03	2.16 E-02
566134	1.91 E-01	1.00 E+00	1.91 E-01	1.00 E+00	1.11 E-01	1.00 E+00	3.11 E-03	1.90 E-01
566135	7.72 E+01	1.00 E+00	7.68 E+01	1.00 E+00	5.52 E+01	1.00 E+00	1.73 E+00	1.00 E+00
566136	1.46 E+01	1.00 E+00	1.26 E+01	1.00 E+00	2.57 E+00	1.00 E+00	2.58 E-01	1.00 E+00
566137	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566138	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566139	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566140	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566141	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566142	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566143	1.91 E-01	7.30 E-05	1.91 E-01	6.75 E-05	1.11 E-01	2.13 E-05	3.10 E-03	1.85 E-06
566144	1.91 E-01	7.29 E-05	1.91 E-01	6.73 E-05	1.11 E-01	2.13 E-05	3.10 E-03	1.85 E-06
566145	2.53 E+01	7.41 E-05	6.08 E+00	6.83 E-05	3.90 E-01	2.15 E-05	1.87 E-02	1.86 E-06
566146	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566147	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566148	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
566149	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566150	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566151	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566152	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566153	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566154	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566155	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
566156	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567128	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567129	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567130	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567131	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567132	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567133	5.13 E-01	4.54 E-01	4.96 E-01	4.53 E-01	2.94 E-01	7.14 E-02	9.19 E-03	4.64 E-03
567134	1.91 E-01	1.00 E+00	1.91 E-01	1.00 E+00	1.11 E-01	1.00 E+00	3.10 E-03	7.38 E-02
567135	7.29 E+02	1.59 E-02	7.25 E+02	1.59 E-02	5.38 E+02	6.54 E-03	1.64 E+01	3.30 E-04
567136	5.02 E+01	1.00 E+00	2.60 E+01	1.00 E+00	6.62 E+00	7.19 E-01	3.70 E-01	4.65 E-02
567137	1.91 E-01	1.00 E+00	1.91 E-01	1.00 E+00	1.11 E-01	4.73 E-01	3.10 E-03	3.07 E-02
567138	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567139	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567140	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567141	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567142	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567143	3.67 E+01	9.33 E-05	8.73 E+00	8.47 E-05	5.15 E-01	2.50 E-05	2.57 E-02	2.16 E-06
567144	3.88 E+01	9.32 E-05	9.22 E+00	8.46 E-05	5.38 E-01	2.50 E-05	2.70 E-02	2.16 E-06
567145	3.95 E+01	9.02 E-05	9.39 E+00	8.21 E-05	5.46 E-01	2.45 E-05	2.75 E-02	2.11 E-06
567146	3.98 E+01	9.10 E-05	9.46 E+00	8.27 E-05	5.49 E-01	2.46 E-05	2.76 E-02	2.13 E-06
567147	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567148	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567149	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567150	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567151	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567152	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567153	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567154	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
567155	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
567156	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568128	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568129	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568130	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568131	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568132	1.98 E-01	3.74 E-05	1.98 E-01	3.74 E-05	1.16 E-01	1.55 E-05	3.26 E-03	1.32 E-06
568133	1.16 E+01	4.44 E-01	1.00 E+01	4.05 E-01	3.50 E+00	1.57 E-01	1.54 E-01	1.30 E-02
568134	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568135	6.79 E+01	2.14 E-03	6.76 E+01	1.81 E-03	5.00 E+01	6.65 E-04	1.53 E+00	3.53 E-05
568136	4.66 E+01	2.76 E-04	2.92 E+01	2.76 E-04	1.27 E+01	1.12 E-04	5.04 E-01	6.17 E-06
568137	1.90 E+01	3.57 E-05	9.83 E+00	3.57 E-05	2.55 E+00	1.44 E-05	1.39 E-01	1.27 E-06
568138	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568139	1.91 E-01	9.24 E-05	1.91 E-01	8.40 E-05	1.11 E-01	2.49 E-05	3.10 E-03	2.15 E-06
568140	4.13 E+01	1.03 E-04	9.82 E+00	9.27 E-05	5.67 E-01	2.68 E-05	2.86 E-02	2.31 E-06
568141	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568142	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568143	5.68 E+01	1.18 E-04	1.35 E+01	1.06 E-04	7.38 E-01	2.96 E-05	3.82 E-02	2.54 E-06
568144	5.74 E+01	1.16 E-04	1.36 E+01	1.04 E-04	7.44 E-01	2.93 E-05	3.85 E-02	2.52 E-06
568145	5.68 E+01	1.12 E-04	1.35 E+01	1.00 E-04	7.38 E-01	2.84 E-05	3.82 E-02	2.44 E-06
568146	5.45 E+01	1.77 E-03	1.29 E+01	1.76 E-03	7.12 E-01	2.01 E-04	3.67 E-02	1.31 E-05
568147	5.13 E+01	1.04 E-04	1.22 E+01	9.42 E-05	6.77 E-01	2.71 E-05	3.47 E-02	2.33 E-06
568148	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568149	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568150	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568151	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568152	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568153	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568154	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568155	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
568156	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569128	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569129	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569130	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569131	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569132	1.95 E-01	3.66 E-05	1.95 E-01	3.66 E-05	1.14 E-01	1.50 E-05	3.18 E-03	1.30 E-06
569133	3.93 E+00	2.19 E-01	3.40 E+00	1.91 E-01	1.21 E+00	5.75 E-02	5.22 E-02	4.31 E-03

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
569134	1.91 E-01	3.67 E-05	1.91 E-01	3.65 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.29 E-06
569135	4.25 E+00	5.08 E-04	4.16 E+00	2.99 E-04	3.05 E+00	7.64 E-05	9.27 E-02	5.24 E-06
569136	1.33 E+01	1.09 E-04	8.50 E+00	1.09 E-04	3.79 E+00	4.42 E-05	1.48 E-01	2.77 E-06
569137	7.72 E+00	9.19 E-05	4.06 E+00	8.35 E-05	1.09 E+00	2.48 E-05	5.79 E-02	2.14 E-06
569138	4.32 E+01	1.08 E-04	1.03 E+01	9.71 E-05	5.87 E-01	2.77 E-05	2.97 E-02	2.38 E-06
569139	5.63 E+01	1.20 E-04	1.33 E+01	1.08 E-04	7.32 E-01	3.00 E-05	3.78 E-02	2.58 E-06
569140	1.91 E-01	1.38 E-03	1.91 E-01	1.38 E-03	1.11 E-01	1.47 E-04	3.10 E-03	9.92 E-06
569141	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569142	7.79 E+01	1.42 E-04	1.84 E+01	1.26 E-04	9.72 E-01	3.39 E-05	5.13 E-02	2.90 E-06
569143	7.85 E+01	1.43 E-04	1.85 E+01	1.26 E-04	9.78 E-01	3.40 E-05	5.16 E-02	2.92 E-06
569144	7.62 E+01	1.40 E-04	1.80 E+01	1.24 E-04	9.54 E-01	3.35 E-05	5.02 E-02	2.87 E-06
569145	7.29 E+01	1.32 E-04	1.72 E+01	1.18 E-04	9.17 E-01	3.22 E-05	4.82 E-02	2.76 E-06
569146	7.07 E+01	1.59 E-01	1.84 E+01	1.59 E-01	1.19 E+00	1.88 E-02	9.20 E-02	1.03 E-03
569147	1.02 E+03	1.00 E+00	2.38 E+02	1.00 E+00	1.14 E+01	1.15 E-01	6.34 E-01	7.02 E-03
569148	5.68 E+01	1.12 E-04	1.35 E+01	1.01 E-04	7.38 E-01	2.85 E-05	3.82 E-02	2.45 E-06
569149	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569150	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569151	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569152	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569153	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569154	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569155	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
569156	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
570057	2.82 E-03	2.86 E-07	2.82 E-03	2.86 E-07	1.87 E-03	1.17 E-07	5.23 E-05	9.71 E-09
570067	2.82 E-03	2.86 E-07	2.82 E-03	2.86 E-07	1.87 E-03	1.17 E-07	5.23 E-05	9.71 E-09
570077	2.82 E-03	2.86 E-07	2.82 E-03	2.86 E-07	1.87 E-03	1.17 E-07	5.23 E-05	9.71 E-09
570087	2.82 E-03	2.86 E-07	2.82 E-03	2.86 E-07	1.87 E-03	1.17 E-07	5.23 E-05	9.71 E-09
570097	2.82 E-03	2.86 E-07	2.82 E-03	2.86 E-07	1.87 E-03	1.17 E-07	5.23 E-05	9.71 E-09
570107	2.82 E-03	2.86 E-07	2.82 E-03	2.86 E-07	1.87 E-03	1.17 E-07	5.23 E-05	9.71 E-09
570117	2.82 E-03	2.86 E-07	2.82 E-03	2.86 E-07	1.87 E-03	1.17 E-07	5.23 E-05	9.71 E-09
570128	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
570129	1.88 E+04	3.57 E-05	4.41 E+03	3.57 E-05	2.08 E+02	1.44 E-05	1.17 E+01	1.27 E-06
570130	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
570131	1.91 E-01	3.57 E-05	1.91 E-01	3.57 E-05	1.11 E-01	1.44 E-05	3.10 E-03	1.27 E-06
570132	1.92 E-01	3.59 E-05	1.92 E-01	3.59 E-05	1.12 E-01	1.46 E-05	3.12 E-03	1.28 E-06
570133	9.07 E-01	5.14 E-02	8.05 E-01	4.35 E-02	3.22 E-01	1.16 E-02	1.25 E-02	8.26 E-04

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
570134	2.78 E-01	6.65 E-03	2.66 E-01	5.60 E-03	1.37 E-01	1.45 E-03	4.25 E-03	1.02 E-04
570135	3.16 E+00	1.39 E-04	1.04 E+00	8.82 E-05	2.92 E-01	2.39 E-05	9.43 E-03	2.00 E-06
570136	6.29 E+00	1.52 E-04	2.54 E+00	1.18 E-04	7.47 E-01	3.27 E-05	3.04 E-02	2.67 E-06
570137	5.00 E+01	1.18 E-04	1.24 E+01	1.06 E-04	9.31 E-01	2.97 E-05	4.88 E-02	2.55 E-06
570138	6.65 E+01	1.35 E-04	1.58 E+01	1.20 E-04	8.82 E-01	3.29 E-05	4.62 E-02	2.81 E-06
570139	8.18 E+01	1.49 E-04	1.93 E+01	1.32 E-04	1.02 E+00	3.55 E-05	5.39 E-02	3.03 E-06
570140	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.28 E-06
570141	9.68 E+01	1.63 E-04	2.28 E+01	1.44 E-04	1.18 E+00	3.81 E-05	6.30 E-02	3.25 E-06
570142	9.73 E+01	3.72 E-04	2.30 E+01	3.19 E-04	1.19 E+00	8.30 E-05	6.33 E-02	6.41 E-06
570143	9.51 E+01	1.62 E-04	2.24 E+01	1.43 E-04	1.16 E+00	3.77 E-05	6.19 E-02	3.22 E-06
570144	9.01 E+01	1.57 E-04	2.13 E+01	1.39 E-04	1.11 E+00	3.70 E-05	5.88 E-02	3.15 E-06
570145	8.35 E+01	1.48 E-04	1.97 E+01	1.32 E-04	1.03 E+00	3.53 E-05	5.47 E-02	3.02 E-06
570146	7.62 E+01	1.40 E-04	1.80 E+01	1.24 E-04	9.54 E-01	3.38 E-05	5.02 E-02	2.88 E-06
570147	6.85 E+01	1.31 E-04	1.62 E+01	1.17 E-04	8.67 E-01	3.21 E-05	4.54 E-02	2.75 E-06
570148	6.12 E+01	1.22 E-04	1.45 E+01	1.09 E-04	7.88 E-01	3.05 E-05	4.09 E-02	2.61 E-06
570149	5.39 E+01	1.14 E-04	1.28 E+01	1.02 E-04	7.06 E-01	2.89 E-05	3.64 E-02	2.48 E-06
570150	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.28 E-06
570151	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.28 E-06
570152	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.28 E-06
570153	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.28 E-06
570154	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.28 E-06
570155	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.28 E-06
570156	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.28 E-06
570157	1.14 E-03	8.45 E-08	1.14 E-03	8.45 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.75 E-09
570167	1.14 E-03	8.42 E-08	1.14 E-03	8.42 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
570177	1.14 E-03	8.41 E-08	1.14 E-03	8.41 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
570187	1.14 E-03	8.41 E-08	1.14 E-03	8.41 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
570197	1.14 E-03	8.41 E-08	1.14 E-03	8.41 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
570207	1.14 E-03	8.40 E-08	1.14 E-03	8.40 E-08	7.62 E-04	3.43 E-08	2.13 E-05	2.74 E-09
571128	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.28 E-06
571129	4.43 E+04	3.61 E-05	1.04 E+04	3.61 E-05	4.91 E+02	1.46 E-05	2.75 E+01	1.28 E-06
571130	2.58 E+04	3.61 E-05	6.03 E+03	3.61 E-05	2.85 E+02	1.46 E-05	1.60 E+01	1.28 E-06
571131	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.28 E-06
571132	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.10 E-03	1.28 E-06
571133	3.35 E-01	1.09 E-02	3.15 E-01	9.24 E-03	1.54 E-01	2.38 E-03	5.01 E-03	1.68 E-04
571134	2.52 E-01	4.66 E-03	2.44 E-01	3.92 E-03	1.29 E-01	1.01 E-03	3.91 E-03	7.17 E-05

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
571135	1.37 E+01	3.18 E-04	3.37 E+00	2.66 E-04	2.70 E-01	7.22 E-05	1.18 E-02	5.41 E-06
571136	1.66 E+01	7.80 E-05	4.25 E+00	6.53 E-05	4.01 E-01	2.06 E-05	1.86 E-02	1.77 E-06
571137	6.20 E+01	1.41 E-04	1.49 E+01	1.24 E-04	8.94 E-01	3.37 E-05	4.67 E-02	2.88 E-06
571138	8.20 E+01	1.57 E-04	1.94 E+01	1.38 E-04	1.04 E+00	3.67 E-05	5.52 E-02	3.14 E-06
571139	9.62 E+01	1.69 E-04	2.27 E+01	1.49 E-04	1.18 E+00	3.91 E-05	6.29 E-02	3.34 E-06
571140	1.04 E+02	4.93 E-03	2.45 E+01	4.41 E-03	1.28 E+00	1.01 E-03	6.81 E-02	6.99 E-05
571141	1.06 E+02	2.95 E-03	2.50 E+01	2.49 E-03	1.29 E+00	6.40 E-04	6.94 E-02	4.57 E-05
571142	1.04 E+02	2.08 E-03	2.48 E+01	1.76 E-03	1.33 E+00	4.51 E-04	7.09 E-02	3.24 E-05
571143	9.95 E+01	9.73 E-04	2.35 E+01	8.25 E-04	1.22 E+00	2.12 E-04	6.52 E-02	1.56 E-05
571144	9.29 E+01	4.59 E-04	2.19 E+01	3.93 E-04	1.14 E+00	1.02 E-04	6.06 E-02	7.77 E-06
571145	8.46 E+01	1.64 E-04	2.00 E+01	1.45 E-04	1.05 E+00	3.81 E-05	5.58 E-02	3.25 E-06
571146	7.62 E+01	1.47 E-04	1.80 E+01	1.30 E-04	9.59 E-01	3.50 E-05	5.04 E-02	2.99 E-06
571147	6.79 E+01	1.37 E-04	1.61 E+01	1.22 E-04	8.64 E-01	3.32 E-05	4.53 E-02	2.84 E-06
571148	5.96 E+01	1.00 E+00	1.41 E+01	1.00 E+00	7.70 E-01	1.00 E+00	4.00 E-02	1.00 E+00
571149	5.22 E+01	1.00 E+00	1.24 E+01	1.00 E+00	6.87 E-01	1.00 E+00	3.53 E-02	1.00 E+00
571150	4.92 E+01	1.09 E-04	1.17 E+01	9.79 E-05	6.53 E-01	2.80 E-05	3.34 E-02	2.40 E-06
571151	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
571152	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
571153	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
571154	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
571155	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
571156	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
572128	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
572129	4.57 E+04	3.61 E-05	1.07 E+04	3.61 E-05	5.07 E+02	1.46 E-05	2.83 E+01	1.28 E-06
572130	3.95 E+04	3.61 E-05	9.26 E+03	3.61 E-05	4.38 E+02	1.46 E-05	2.45 E+01	1.28 E-06
572131	1.28 E+04	3.61 E-05	2.99 E+03	3.61 E-05	1.41 E+02	1.46 E-05	7.91 E+00	1.28 E-06
572132	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
572133	1.99 E-01	6.04 E-04	1.98 E-01	5.13 E-04	1.14 E-01	1.37 E-04	3.20 E-03	9.92 E-06
572134	2.07 E-01	1.30 E-03	2.05 E-01	1.09 E-03	1.16 E-01	2.86 E-04	3.32 E-03	2.05 E-05
572135	2.91 E+01	4.28 E-04	6.97 E+00	3.64 E-04	4.33 E-01	9.72 E-05	2.11 E-02	7.22 E-06
572136	3.42 E+01	1.30 E-04	8.15 E+00	1.14 E-04	4.87 E-01	3.21 E-05	2.42 E-02	2.69 E-06
572137	4.07 E+01	1.15 E-04	9.71 E+00	1.03 E-04	5.68 E-01	2.92 E-05	2.86 E-02	2.50 E-06
572138	7.90 E+01	1.65 E-04	1.87 E+01	1.46 E-04	9.91 E-01	3.84 E-05	5.22 E-02	3.27 E-06
572139	9.58 E+01	3.50 E-02	2.60 E+01	2.95 E-02	2.25 E+00	7.81 E-03	9.70 E-02	5.52 E-04
572140	1.02 E+02	2.14 E-02	2.59 E+01	1.80 E-02	1.90 E+00	4.72 E-03	9.99 E-02	3.33 E-04
572141	9.99 E+01	7.58 E-03	2.42 E+01	6.36 E-03	1.43 E+00	1.64 E-03	7.66 E-02	1.16 E-04

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	572142	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
2	572143	9.08 E+01	1.21 E-03	2.15 E+01	1.03 E-03	1.13 E+00	2.65 E-04	6.01 E-02	1.92 E-05
3	572144	8.35 E+01	6.77 E-04	1.97 E+01	5.77 E-04	1.04 E+00	1.49 E-04	5.51 E-02	1.11 E-05
4	572145	7.57 E+01	6.87 E-04	1.79 E+01	5.85 E-04	9.59 E-01	1.52 E-04	5.05 E-02	1.12 E-05
5	572146	6.79 E+01	1.49 E-04	1.61 E+01	1.32 E-04	8.75 E-01	3.56 E-05	4.59 E-02	3.02 E-06
6	572147	6.08 E+01	1.39 E-04	1.44 E+01	1.23 E-04	7.96 E-01	3.36 E-05	4.14 E-02	2.86 E-06
7	572148	5.33 E+01	1.27 E-04	1.26 E+01	1.13 E-04	7.08 E-01	3.14 E-05	3.65 E-02	2.69 E-06
8	572149	4.65 E+01	1.15 E-04	1.11 E+01	1.03 E-04	6.26 E-01	2.91 E-05	3.18 E-02	2.50 E-06
9	572150	4.28 E+01	4.77 E-02	1.02 E+01	4.77 E-02	5.84 E-01	5.64 E-03	2.95 E-02	3.07 E-04
10	572151	3.73 E+01	1.04 E-04	8.87 E+00	9.39 E-05	5.22 E-01	2.71 E-05	2.61 E-02	2.33 E-06
11	572152	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
12	572153	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
13	572154	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
14	572155	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
15	572156	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
16	573128	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
17	573129	3.34 E+04	3.61 E-05	7.83 E+03	3.61 E-05	3.70 E+02	1.46 E-05	2.07 E+01	1.28 E-06
18	573130	3.81 E+04	3.61 E-05	8.92 E+03	3.61 E-05	4.22 E+02	1.46 E-05	2.36 E+01	1.28 E-06
19	573131	1.85 E+04	3.61 E-05	4.33 E+03	3.61 E-05	2.05 E+02	1.46 E-05	1.15 E+01	1.28 E-06
20	573132	1.91 E-01	3.61 E-05	1.91 E-01	3.61 E-05	1.11 E-01	1.46 E-05	3.11 E-03	1.28 E-06
21	573133	1.92 E-01	8.66 E-05	1.92 E-01	7.88 E-05	1.11 E-01	2.44 E-05	3.11 E-03	2.06 E-06
22	573134	3.03 E+00	1.00 E+00	3.03 E+00	1.00 E+00	6.51 E-01	1.00 E+00	6.00 E-02	2.15 E-01
23	573135	2.23 E+01	2.60 E-04	5.36 E+00	2.24 E-04	3.57 E-01	6.11 E-05	1.68 E-02	4.70 E-06
24	573136	2.52 E+01	1.00 E+00	6.12 E+00	1.00 E+00	4.05 E-01	1.00 E+00	2.03 E-02	2.02 E-01
25	573137	2.80 E+02	1.00 E+00	2.47 E+02	1.00 E+00	5.66 E+01	1.00 E+00	1.92 E+00	4.48 E-01
26	573138	2.06 E+02	1.83 E-02	1.61 E+02	1.54 E-02	3.60 E+01	4.02 E-03	1.11 E+00	2.84 E-04
27	573139	7.08 E+01	2.26 E-02	1.80 E+01	1.91 E-02	1.30 E+00	4.99 E-03	6.00 E-02	3.52 E-04
28	573140	7.41 E+01	7.12 E-03	1.76 E+01	5.99 E-03	9.59 E-01	1.54 E-03	5.02 E-02	1.10 E-04
29	573141	7.57 E+01	1.67 E-03	1.79 E+01	1.40 E-03	9.53 E-01	3.62 E-04	5.02 E-02	2.61 E-05
30	573142	1.91 E-01	3.82 E-05	1.91 E-01	3.82 E-05	1.11 E-01	1.53 E-05	3.11 E-03	1.34 E-06
31	573143	7.08 E+01	4.81 E-04	1.68 E+01	4.12 E-04	9.21 E-01	1.07 E-04	4.84 E-02	8.12 E-06
32	573144	6.71 E+01	7.65 E-04	1.66 E+01	6.51 E-04	1.08 E+00	1.69 E-04	5.69 E-02	1.25 E-05
33	573145	6.03 E+01	1.05 E-03	1.44 E+01	8.95 E-04	8.20 E-01	2.33 E-04	4.28 E-02	1.68 E-05
34	573146	5.43 E+01	8.81 E-04	1.29 E+01	7.49 E-04	7.14 E-01	1.95 E-04	3.68 E-02	1.42 E-05
35	573147	4.83 E+01	6.62 E-04	1.15 E+01	5.64 E-04	6.47 E-01	1.47 E-04	3.30 E-02	1.09 E-05
36	573148	4.27 E+01	1.18 E-04	1.01 E+01	1.06 E-04	5.84 E-01	3.00 E-05	2.95 E-02	2.58 E-06

Table B5-3. Statistical Increase in Individual Risk at T_0 (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
573149	3.74 E+01	1.10 E-04	8.91 E+00	9.90 E-05	5.25 E-01	2.85 E-05	2.62 E-02	2.44 E-06
573150	3.39 E+01	1.88 E-03	8.12 E+00	1.88 E-03	4.93 E-01	2.53 E-04	2.44 E-02	1.38 E-05
573151	2.98 E+01	5.27 E-02	7.16 E+00	5.27 E-02	4.45 E-01	6.22 E-03	2.21 E-02	3.41 E-04
573152	2.73 E-01	4.56 E-02	2.61 E-01	4.47 E-02	1.35 E-01	5.38 E-03	4.17 E-03	3.52 E-04
573153	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.11 E-01	1.53 E-05	3.11 E-03	1.34 E-06
573154	1.91 E-01	3.82 E-05	1.91 E-01	3.82 E-05	1.11 E-01	1.53 E-05	3.11 E-03	1.34 E-06
573155	1.91 E-01	3.82 E-05	1.91 E-01	3.82 E-05	1.11 E-01	1.53 E-05	3.11 E-03	1.34 E-06
573156	1.91 E-01	3.82 E-05	1.91 E-01	3.82 E-05	1.11 E-01	1.53 E-05	3.11 E-03	1.34 E-06
574128	1.91 E-01	3.82 E-05	1.91 E-01	3.82 E-05	1.11 E-01	1.53 E-05	3.11 E-03	1.34 E-06
574129	2.05 E+04	3.82 E-05	4.81 E+03	3.82 E-05	2.28 E+02	1.53 E-05	1.27 E+01	1.34 E-06
574130	2.87 E+04	3.82 E-05	6.73 E+03	3.82 E-05	3.19 E+02	1.53 E-05	1.78 E+01	1.34 E-06
574131	1.89 E+04	3.82 E-05	4.42 E+03	3.82 E-05	2.09 E+02	1.53 E-05	1.17 E+01	1.34 E-06
574132	6.55 E+03	3.82 E-05	1.53 E+03	3.82 E-05	7.27 E+01	1.53 E-05	4.06 E+00	1.34 E-06
574133	1.91 E-01	7.05 E-05	1.91 E-01	6.57 E-05	1.11 E-01	2.12 E-05	3.11 E-03	1.84 E-06
574134	1.92 E-01	9.00 E-05	1.92 E-01	8.21 E-05	1.12 E-01	2.51 E-05	3.12 E-03	2.14 E-06
574135	1.93 E-01	9.98 E-01	1.93 E-01	9.98 E-01	1.12 E-01	2.23 E-01	3.13 E-03	1.45 E-02
574136	1.02 E+00	1.00 E+00	7.45 E-01	1.00 E+00	3.00 E-01	8.71 E-01	1.52 E-02	5.63 E-02
574137	1.92 E-01	1.19 E-04	1.92 E-01	1.07 E-04	1.12 E-01	3.02 E-05	3.12 E-03	2.59 E-06
574138	1.92 E-01	1.29 E-04	1.92 E-01	1.16 E-04	1.12 E-01	3.20 E-05	3.12 E-03	2.75 E-06
574139	1.92 E-01	1.00 E+00	1.92 E-01	1.00 E+00	1.12 E-01	2.58 E-01	3.12 E-03	1.68 E-02
574140	4.60 E+01	1.40 E-04	1.09 E+01	1.25 E-04	6.19 E-01	3.42 E-05	3.15 E-02	2.92 E-06
574141	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
574142	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
574143	4.79 E+01	9.65 E-04	1.14 E+01	8.19 E-04	6.44 E-01	2.13 E-04	3.29 E-02	1.55 E-05
574144	4.52 E+01	1.27 E-03	1.08 E+01	1.07 E-03	6.32 E-01	2.79 E-04	3.21 E-02	2.01 E-05
574145	4.32 E+01	1.37 E-03	1.07 E+01	1.16 E-03	7.47 E-01	3.01 E-04	3.85 E-02	2.17 E-05
574146	3.84 E+01	1.23 E-03	9.15 E+00	1.04 E-03	5.42 E-01	2.70 E-04	2.72 E-02	1.95 E-05
574147	3.44 E+01	9.71 E-04	8.21 E+00	8.24 E-04	4.94 E-01	2.16 E-04	2.45 E-02	1.57 E-05
574148	3.08 E+01	7.09 E-04	7.36 E+00	6.04 E-04	4.53 E-01	1.58 E-04	2.22 E-02	1.16 E-05
574149	2.74 E+01	9.79 E-05	6.56 E+00	8.90 E-05	4.13 E-01	2.63 E-05	2.00 E-02	2.27 E-06
574150	2.49 E+01	9.63 E-05	6.01 E+00	8.75 E-05	3.97 E-01	2.61 E-05	1.90 E-02	2.24 E-06
574151	2.16 E+01	9.41 E-05	5.25 E+00	8.58 E-05	3.59 E-01	2.57 E-05	1.70 E-02	2.21 E-06
574152	2.19 E-01	3.44 E-02	2.14 E-01	3.44 E-02	1.17 E-01	3.49 E-03	3.42 E-03	2.23 E-04
574153	1.99 E-01	3.87 E-05	1.98 E-01	3.86 E-05	1.13 E-01	1.54 E-05	3.20 E-03	1.35 E-06
574154	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
574155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
574156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
575128	1.07 E+03	3.82 E-05	2.50 E+02	3.82 E-05	1.19 E+01	1.53 E-05	6.63 E-01	1.34 E-06
575129	1.15 E+04	3.82 E-05	2.69 E+03	3.82 E-05	1.27 E+02	1.53 E-05	7.12 E+00	1.34 E-06
575130	1.87 E+04	3.82 E-05	4.38 E+03	3.82 E-05	2.07 E+02	1.53 E-05	1.16 E+01	1.34 E-06
575131	1.54 E+04	3.82 E-05	3.61 E+03	3.82 E-05	1.71 E+02	1.53 E-05	9.56 E+00	1.34 E-06
575132	7.16 E+03	3.82 E-05	1.68 E+03	3.82 E-05	7.94 E+01	1.53 E-05	4.44 E+00	1.34 E-06
575133	1.99 E+03	3.82 E-05	4.67 E+02	3.82 E-05	2.22 E+01	1.53 E-05	1.23 E+00	1.34 E-06
575134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
575135	2.79 E-01	1.00 E+00	2.79 E-01	1.00 E+00	1.75 E-01	1.00 E+00	6.00 E-03	9.69 E-02
575136	3.11 E-01	1.00 E+00	3.11 E-01	1.00 E+00	1.99 E-01	4.65 E-01	7.06 E-03	3.03 E-02
575137	1.92 E-01	3.49 E-03	1.92 E-01	3.48 E-03	1.12 E-01	1.88 E-03	3.12 E-03	1.21 E-04
575138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
575139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
575140	1.92 E-01	1.10 E-04	1.92 E-01	9.93 E-05	1.12 E-01	2.86 E-05	3.12 E-03	2.45 E-06
575141	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
575142	1.92 E-01	1.09 E-04	1.92 E-01	9.82 E-05	1.12 E-01	2.83 E-05	3.12 E-03	2.43 E-06
575143	2.20 E-01	9.47 E-04	2.06 E-01	8.05 E-04	1.16 E-01	2.10 E-04	3.28 E-03	1.53 E-05
575144	2.51 E-01	1.33 E-03	2.20 E-01	1.12 E-03	1.19 E-01	2.93 E-04	3.44 E-03	2.11 E-05
575145	2.62 E+01	1.56 E-03	6.36 E+00	1.32 E-03	4.23 E-01	3.42 E-04	2.05 E-02	2.46 E-05
575146	2.42 E+01	1.49 E-03	5.84 E+00	1.27 E-03	3.87 E-01	3.28 E-04	1.85 E-02	2.36 E-05
575147	2.24 E+01	1.26 E-03	5.41 E+00	1.07 E-03	3.63 E-01	2.80 E-04	1.71 E-02	2.01 E-05
575148	2.05 E+01	9.76 E-04	4.95 E+00	8.29 E-04	3.39 E-01	2.17 E-04	1.59 E-02	1.56 E-05
575149	1.83 E+01	6.92 E-04	4.45 E+00	5.88 E-04	3.15 E-01	1.55 E-04	1.44 E-02	1.13 E-05
575150	1.67 E+01	8.19 E-05	4.06 E+00	7.53 E-05	2.97 E-01	2.34 E-05	1.35 E-02	2.02 E-06
575151	2.88 E+01	8.25 E-05	6.93 E+00	7.59 E-05	4.37 E-01	2.35 E-05	2.13 E-02	2.03 E-06
575152	2.45 E-01	4.22 E-05	2.35 E-01	4.16 E-05	1.23 E-01	1.61 E-05	3.71 E-03	1.41 E-06
575153	2.09 E-01	3.95 E-05	2.06 E-01	3.92 E-05	1.15 E-01	1.55 E-05	3.31 E-03	1.36 E-06
575154	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
575155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
575156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
576126	4.60 E+01	3.61 E-23	1.08 E+01	3.61 E-23	5.09 E-01	2.14 E-23	2.85 E-02	9.11 E-25
576127	3.56 E+02	5.91 E-21	8.35 E+01	5.91 E-21	3.95 E+00	3.51 E-21	2.21 E-01	1.49 E-22
576128	1.52 E+03	3.82 E-05	3.56 E+02	3.82 E-05	1.70 E+01	1.53 E-05	9.46 E-01	1.34 E-06
576129	6.05 E+03	3.82 E-05	1.42 E+03	3.82 E-05	6.71 E+01	1.53 E-05	3.75 E+00	1.34 E-06
576130	1.10 E+04	3.82 E-05	2.59 E+03	3.82 E-05	1.22 E+02	1.53 E-05	6.85 E+00	1.34 E-06
576131	1.20 E+04	3.82 E-05	2.81 E+03	3.82 E-05	1.33 E+02	1.53 E-05	7.43 E+00	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	576132	7.38 E+03	3.82 E-05	1.73 E+03	3.82 E-05	8.19 E+01	1.53 E-05	4.58 E+00	1.34 E-06
2	576133	2.41 E+03	3.82 E-05	5.66 E+02	3.82 E-05	2.69 E+01	1.53 E-05	1.50 E+00	1.34 E-06
3	576134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
4	576135	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
5	576136	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
6	576137	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
7	576138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
8	576139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
9	576140	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
10	576141	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
11	576142	1.92 E-01	8.35 E-05	1.92 E-01	7.67 E-05	1.12 E-01	2.36 E-05	3.12 E-03	2.04 E-06
12	576143	2.15 E-01	8.75 E-04	2.04 E-01	7.44 E-04	1.15 E-01	1.95 E-04	3.27 E-03	1.41 E-05
13	576144	2.30 E-01	1.27 E-03	2.11 E-01	1.07 E-03	1.17 E-01	2.81 E-04	3.35 E-03	2.02 E-05
14	576145	2.82 E-01	1.57 E-03	2.34 E-01	1.33 E-03	1.21 E-01	3.45 E-04	3.58 E-03	2.46 E-05
15	576146	3.05 E-01	1.65 E-03	2.45 E-01	1.38 E-03	1.24 E-01	3.61 E-04	3.70 E-03	2.59 E-05
16	576147	3.62 E-01	1.47 E-03	2.98 E-01	1.25 E-03	1.37 E-01	3.26 E-04	4.44 E-03	2.33 E-05
17	576148	2.22 E-01	1.21 E-03	2.09 E-01	1.02 E-03	1.17 E-01	2.67 E-04	3.34 E-03	1.92 E-05
18	576149	2.12 E-01	9.05 E-04	2.04 E-01	7.69 E-04	1.15 E-01	2.02 E-04	3.28 E-03	1.46 E-05
19	576150	1.02 E+01	6.37 E-04	2.54 E+00	5.43 E-04	2.25 E-01	1.44 E-04	9.42 E-03	1.05 E-05
20	576151	1.99 E-01	6.94 E-05	1.98 E-01	6.47 E-05	1.13 E-01	2.10 E-05	3.20 E-03	1.83 E-06
21	576152	2.31 E-01	4.11 E-05	2.23 E-01	4.06 E-05	1.20 E-01	1.59 E-05	3.55 E-03	1.39 E-06
22	576153	2.03 E-01	3.90 E-05	2.01 E-01	3.89 E-05	1.14 E-01	1.54 E-05	3.25 E-03	1.36 E-06
23	576154	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
24	576155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
25	576156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
26	577123	5.42 E+00	0.00 E+00	1.27 E+00	0.00 E+00	6.00 E-02	0.00 E+00	3.36 E-03	0.00 E+00
27	577124	1.62 E+01	0.00 E+00	3.80 E+00	0.00 E+00	1.80 E-01	0.00 E+00	1.00 E-02	0.00 E+00
28	577125	4.73 E+01	4.22 E-24	1.11 E+01	4.22 E-24	5.24 E-01	2.51 E-24	2.93 E-02	1.07 E-25
29	577126	1.28 E+02	6.14 E-22	3.00 E+01	6.14 E-22	1.42 E+00	3.65 E-22	7.95 E-02	1.55 E-23
30	577127	5.01 E+02	4.88 E-20	1.17 E+02	4.88 E-20	5.55 E+00	2.90 E-20	3.10 E-01	1.23 E-21
31	577128	1.68 E+03	3.82 E-05	3.94 E+02	3.82 E-05	1.87 E+01	1.53 E-05	1.04 E+00	1.34 E-06
32	577129	4.21 E+03	3.82 E-05	9.85 E+02	3.82 E-05	4.67 E+01	1.53 E-05	2.61 E+00	1.34 E-06
33	577130	7.83 E+03	3.84 E-05	1.83 E+03	3.84 E-05	8.68 E+01	1.53 E-05	4.85 E+00	1.35 E-06
34	577131	7.55 E+03	3.83 E-05	1.77 E+03	3.82 E-05	8.37 E+01	1.53 E-05	4.68 E+00	1.35 E-06
35	577132	4.60 E+03	3.82 E-05	1.08 E+03	3.82 E-05	5.11 E+01	1.53 E-05	2.85 E+00	1.34 E-06
36	577133	1.57 E+03	3.82 E-05	3.68 E+02	3.82 E-05	1.75 E+01	1.53 E-05	9.77 E-01	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
577134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
577135	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
577136	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
577137	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
577138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
577139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
577140	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
577141	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
577142	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
577143	2.11 E-01	7.25 E-04	2.02 E-01	6.17 E-04	1.15 E-01	1.64 E-04	3.25 E-03	1.18 E-05
577144	2.22 E-01	1.11 E-03	2.08 E-01	9.41 E-04	1.16 E-01	2.47 E-04	3.32 E-03	1.77 E-05
577145	2.78 E-01	1.44 E-03	2.42 E-01	1.22 E-03	1.24 E-01	3.20 E-04	3.73 E-03	2.28 E-05
577146	1.07 E+00	1.64 E-03	7.48 E-01	1.39 E-03	2.37 E-01	3.63 E-04	1.00 E-02	2.58 E-05
577147	8.22 E-01	1.59 E-03	5.96 E-01	1.34 E-03	2.03 E-01	3.52 E-04	8.15 E-03	2.51 E-05
577148	2.55 E-01	1.38 E-03	2.30 E-01	1.16 E-03	1.22 E-01	3.04 E-04	3.60 E-03	2.18 E-05
577149	2.17 E-01	1.08 E-03	2.07 E-01	9.18 E-04	1.16 E-01	2.41 E-04	3.31 E-03	1.73 E-05
577150	2.08 E-01	7.65 E-04	2.02 E-01	6.51 E-04	1.15 E-01	1.72 E-04	3.25 E-03	1.25 E-05
577151	2.06 E-01	4.84 E-04	2.01 E-01	4.13 E-04	1.15 E-01	1.11 E-04	3.25 E-03	8.16 E-06
577152	2.37 E-01	5.43 E-02	2.33 E-01	5.43 E-02	1.18 E-01	6.34 E-03	3.83 E-03	3.52 E-04
577153	1.96 E-01	3.85 E-05	1.96 E-01	3.84 E-05	1.13 E-01	1.53 E-05	3.17 E-03	1.35 E-06
577154	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
577155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
577156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
578122	5.34 E+00	2.48 E-29	1.25 E+00	2.48 E-29	5.92 E-02	1.48 E-29	3.31 E-03	6.28 E-31
578123	1.49 E+01	3.69 E-27	3.48 E+00	3.69 E-27	1.65 E-01	2.19 E-27	9.22 E-03	9.32 E-29
578124	4.08 E+01	5.49 E-25	9.57 E+00	5.49 E-25	4.53 E-01	3.26 E-25	2.53 E-02	1.39 E-26
578125	1.03 E+02	6.57 E-23	2.40 E+01	6.57 E-23	1.14 E+00	3.90 E-23	6.36 E-02	1.66 E-24
578126	2.52 E+02	4.30 E-21	5.90 E+01	4.30 E-21	2.79 E+00	2.55 E-21	1.56 E-01	1.09 E-22
578127	6.66 E+02	2.17 E-19	1.56 E+02	2.17 E-19	7.38 E+00	1.29 E-19	4.13 E-01	5.49 E-21
578128	1.60 E+03	4.04 E-05	3.76 E+02	4.00 E-05	1.79 E+01	1.57 E-05	9.97 E-01	1.38 E-06
578129	3.21 E+03	3.96 E-05	7.51 E+02	3.94 E-05	3.56 E+01	1.56 E-05	1.99 E+00	1.37 E-06
578130	4.73 E+03	3.90 E-05	1.11 E+03	3.88 E-05	5.26 E+01	1.54 E-05	2.93 E+00	1.36 E-06
578131	3.65 E+03	3.85 E-05	8.55 E+02	3.84 E-05	4.06 E+01	1.53 E-05	2.26 E+00	1.35 E-06
578132	1.95 E+03	3.83 E-05	4.56 E+02	3.83 E-05	2.17 E+01	1.53 E-05	1.21 E+00	1.35 E-06
578133	6.55 E+02	3.82 E-05	1.53 E+02	3.82 E-05	7.37 E+00	1.53 E-05	4.09 E-01	1.34 E-06
578134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_∞ (Year 2029). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	578135	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
2	578136	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
3	578137	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
4	578138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
5	578139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
6	578140	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
7	578141	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
8	578142	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
9	578143	2.06 E-01	6.02 E-04	2.00 E-01	5.13 E-04	1.14 E-01	1.37 E-04	3.23 E-03	9.96 E-06
10	578144	2.15 E-01	9.58 E-04	2.05 E-01	8.13 E-04	1.16 E-01	2.14 E-04	3.29 E-03	1.54 E-05
11	578145	2.32 E-01	1.29 E-03	2.15 E-01	1.09 E-03	1.18 E-01	2.86 E-04	3.41 E-03	2.05 E-05
12	578146	5.92 E-01	1.51 E-03	4.47 E-01	1.28 E-03	1.70 E-01	3.35 E-04	6.30 E-03	2.38 E-05
13	578147	1.18 E+00	1.56 E-03	8.31 E-01	1.33 E-03	2.57 E-01	3.47 E-04	1.11 E-02	2.47 E-05
14	578148	4.02 E-01	1.43 E-03	3.25 E-01	1.21 E-03	1.43 E-01	3.17 E-04	4.78 E-03	2.27 E-05
15	578149	2.21 E-01	1.16 E-03	2.09 E-01	9.82 E-04	1.17 E-01	2.58 E-04	3.34 E-03	1.85 E-05
16	578150	2.10 E-01	8.14 E-04	2.03 E-01	6.91 E-04	1.15 E-01	1.83 E-04	3.26 E-03	1.32 E-05
17	578151	2.03 E-01	5.23 E-04	1.99 E-01	4.47 E-04	1.14 E-01	1.20 E-04	3.22 E-03	8.76 E-06
18	578152	1.99 E-01	2.65 E-02	1.97 E-01	2.65 E-02	1.13 E-01	2.89 E-03	3.20 E-03	1.79 E-04
19	578153	1.93 E-01	3.83 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.14 E-03	1.35 E-06
20	578154	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
21	578155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
22	578156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
23	579121	4.45 E+00	7.64 E-30	1.04 E+00	7.64 E-30	4.93 E-02	4.54 E-30	2.76 E-03	1.93 E-31
24	579122	1.23 E+01	8.45 E-28	2.87 E+00	8.45 E-28	1.36 E-01	5.02 E-28	7.60 E-03	2.13 E-29
25	579123	3.04 E+01	9.37 E-26	7.11 E+00	9.37 E-26	3.36 E-01	5.56 E-26	1.88 E-02	2.37 E-27
26	579124	7.27 E+01	6.72 E-24	1.70 E+01	6.72 E-24	8.06 E-01	3.99 E-24	4.51 E-02	1.70 E-25
27	579125	1.73 E+02	3.28 E-22	4.04 E+01	3.28 E-22	1.91 E+00	1.94 E-22	1.07 E-01	8.27 E-24
28	579126	3.64 E+02	5.92 E-06	8.51 E+01	5.00 E-06	4.03 E+00	1.21 E-06	2.25 E-01	9.08 E-08
29	579127	8.44 E+02	5.20 E-06	1.98 E+02	4.40 E-06	9.35 E+00	1.07 E-06	5.23 E-01	7.98 E-08
30	579128	1.58 E+03	4.24 E-05	3.70 E+02	4.17 E-05	1.76 E+01	1.61 E-05	9.83 E-01	1.41 E-06
31	579129	2.34 E+03	4.11 E-05	5.47 E+02	4.07 E-05	2.60 E+01	1.59 E-05	1.45 E+00	1.39 E-06
32	579130	2.49 E+03	1.19 E-04	5.84 E+02	1.19 E-04	2.77 E+01	5.53 E-05	1.54 E+00	3.17 E-06
33	579131	1.81 E+03	3.90 E-05	4.24 E+02	3.89 E-05	2.01 E+01	1.54 E-05	1.12 E+00	1.36 E-06
34	579132	9.21 E+02	3.85 E-05	2.16 E+02	3.84 E-05	1.03 E+01	1.53 E-05	5.74 E-01	1.35 E-06
35	579133	2.79 E+02	3.82 E-05	6.55 E+01	3.82 E-05	3.20 E+00	1.53 E-05	1.76 E-01	1.34 E-06
36	579134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
579135	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579136	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579137	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579140	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579141	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579142	1.99 E-01	3.91 E-04	1.97 E-01	3.35 E-04	1.13 E-01	9.18 E-05	3.19 E-03	6.73 E-06
579143	2.04 E-01	6.14 E-04	2.00 E-01	5.23 E-04	1.14 E-01	1.40 E-04	3.23 E-03	1.01 E-05
579144	2.10 E-01	7.86 E-04	2.03 E-01	6.68 E-04	1.15 E-01	1.77 E-04	3.26 E-03	1.27 E-05
579145	2.19 E-01	1.10 E-03	2.08 E-01	9.27 E-04	1.16 E-01	2.44 E-04	3.32 E-03	1.74 E-05
579146	4.48 E-01	1.39 E-03	3.55 E-01	1.17 E-03	1.50 E-01	3.08 E-04	5.17 E-03	2.20 E-05
579147	8.74 E-01	2.62 E-03	6.31 E-01	2.39 E-03	2.11 E-01	4.71 E-04	8.60 E-03	3.06 E-05
579148	3.20 E-01	1.34 E-03	2.73 E-01	1.13 E-03	1.31 E-01	2.98 E-04	4.14 E-03	2.13 E-05
579149	2.17 E-01	1.07 E-03	2.07 E-01	9.05 E-04	1.16 E-01	2.38 E-04	3.32 E-03	1.70 E-05
579150	2.08 E-01	7.54 E-04	2.02 E-01	6.41 E-04	1.15 E-01	1.70 E-04	3.25 E-03	1.22 E-05
579151	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579152	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579153	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579154	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
579156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580057	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
580067	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
580077	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
580087	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
580097	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
580107	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
580120	3.65 E+00	2.98 E-30	8.55 E-01	2.98 E-30	4.05 E-02	1.77 E-30	2.26 E-03	7.53 E-32
580121	9.05 E+00	1.49 E-28	2.12 E+00	1.49 E-28	1.00 E-01	8.82 E-29	5.61 E-03	3.75 E-30
580122	2.12 E+01	8.33 E-27	4.97 E+00	8.33 E-27	2.35 E-01	4.95 E-27	1.31 E-02	2.10 E-28
580123	4.75 E+01	7.45 E-25	1.11 E+01	7.45 E-25	5.26 E-01	4.42 E-25	2.94 E-02	1.88 E-26
580124	1.09 E+02	1.07 E-05	2.55 E+01	9.17 E-06	1.21 E+00	2.15 E-06	6.75 E-02	1.63 E-07
580125	2.13 E+02	9.74 E-06	4.99 E+01	8.24 E-06	2.36 E+00	2.00 E-06	1.32 E-01	1.49 E-07
580126	4.23 E+02	9.28 E-06	9.92 E+01	7.85 E-06	4.69 E+00	1.91 E-06	2.62 E-01	1.42 E-07
580127	8.71 E+02	8.31 E-06	2.04 E+02	7.02 E-06	9.66 E+00	1.70 E-06	5.40 E-01	1.27 E-07

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
580128	1.30 E+03	4.50 E-05	3.04 E+02	4.39 E-05	1.45 E+01	1.67 E-05	8.08 E-01	1.45 E-06
580129	1.64 E+03	4.31 E-05	3.85 E+02	4.23 E-05	1.83 E+01	1.63 E-05	1.02 E+00	1.42 E-06
580130	1.60 E+03	4.13 E-05	3.76 E+02	4.08 E-05	1.79 E+01	1.59 E-05	9.97 E-01	1.39 E-06
580131	1.07 E+03	3.98 E-05	2.51 E+02	3.95 E-05	1.20 E+01	1.56 E-05	6.67 E-01	1.37 E-06
580132	4.19 E+02	3.82 E-05	9.84 E+01	3.82 E-05	4.75 E+00	1.53 E-05	2.63 E-01	1.34 E-06
580133	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580135	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580136	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580137	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580140	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580141	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580142	2.00 E-01	4.34 E-04	1.97 E-01	3.71 E-04	1.14 E-01	1.01 E-04	3.20 E-03	7.39 E-06
580143	2.05 E-01	6.55 E-04	2.00 E-01	5.58 E-04	1.14 E-01	1.49 E-04	3.23 E-03	1.08 E-05
580144	2.09 E-01	8.04 E-04	2.02 E-01	6.84 E-04	1.15 E-01	1.81 E-04	3.26 E-03	1.30 E-05
580145	2.19 E-01	1.07 E-03	2.09 E-01	9.05 E-04	1.17 E-01	2.38 E-04	3.34 E-03	1.70 E-05
580146	3.27 E-01	1.30 E-03	2.78 E-01	1.10 E-03	1.32 E-01	2.88 E-04	4.21 E-03	2.06 E-05
580147	4.09 E-01	6.58 E-02	3.40 E-01	6.56 E-02	1.43 E-01	7.76 E-03	5.15 E-03	4.39 E-04
580148	2.32 E-01	1.17 E-03	2.17 E-01	9.92 E-04	1.19 E-01	2.60 E-04	3.44 E-03	1.87 E-05
580149	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580150	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580151	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580152	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580153	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580154	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
580157	2.84 E-03	2.87 E-07	2.84 E-03	2.87 E-07	1.88 E-03	1.17 E-07	5.26 E-05	9.72 E-09
580167	2.84 E-03	2.86 E-07	2.84 E-03	2.86 E-07	1.88 E-03	1.17 E-07	5.26 E-05	9.71 E-09
580177	2.84 E-03	2.86 E-07	2.84 E-03	2.86 E-07	1.88 E-03	1.17 E-07	5.26 E-05	9.71 E-09
580187	2.84 E-03	2.86 E-07	2.84 E-03	2.86 E-07	1.88 E-03	1.17 E-07	5.26 E-05	9.71 E-09
580197	2.82 E-03	2.86 E-07	2.82 E-03	2.86 E-07	1.87 E-03	1.17 E-07	5.23 E-05	9.71 E-09
580207	2.82 E-03	2.86 E-07	2.82 E-03	2.86 E-07	1.87 E-03	1.17 E-07	5.23 E-05	9.71 E-09
581118	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
581119	2.86 E+00	3.82 E-05	8.17 E-01	3.82 E-05	1.42 E-01	1.53 E-05	4.77 E-03	1.34 E-06
581120	6.35 E+00	3.82 E-05	1.63 E+00	3.82 E-05	1.80 E-01	1.53 E-05	6.94 E-03	1.34 E-06
581121	1.39 E+01	3.82 E-05	3.40 E+00	3.82 E-05	2.64 E-01	1.53 E-05	1.16 E-02	1.34 E-06
581122	3.08 E+01	3.82 E-05	7.35 E+00	3.82 E-05	4.51 E-01	1.53 E-05	2.21 E-02	1.34 E-06
581123	6.57 E+01	5.27 E-05	1.55 E+01	5.07 E-05	8.40 E-01	1.82 E-05	4.38 E-02	1.56 E-06
581124	1.19 E+02	5.36 E-05	2.81 E+01	5.14 E-05	1.43 E+00	1.84 E-05	7.72 E-02	1.58 E-06
581125	2.05 E+02	5.20 E-05	4.83 E+01	4.99 E-05	2.39 E+00	1.81 E-05	1.30 E-01	1.56 E-06
581126	3.40 E+02	5.12 E-05	7.98 E+01	4.92 E-05	3.87 E+00	1.79 E-05	2.14 E-01	1.54 E-06
581127	5.66 E+02	5.01 E-05	1.33 E+02	4.83 E-05	6.38 E+00	1.77 E-05	3.54 E-01	1.53 E-06
581128	7.33 E+02	4.77 E-05	1.72 E+02	4.62 E-05	8.23 E+00	1.72 E-05	4.57 E-01	1.49 E-06
581129	7.60 E+02	4.52 E-05	1.78 E+02	4.41 E-05	8.54 E+00	1.67 E-05	4.74 E-01	1.45 E-06
581130	7.16 E+02	4.27 E-05	1.68 E+02	4.20 E-05	8.04 E+00	1.62 E-05	4.47 E-01	1.41 E-06
581131	4.83 E+02	4.07 E-05	1.13 E+02	4.03 E-05	5.46 E+00	1.58 E-05	3.02 E-01	1.38 E-06
581132	1.90 E+02	3.82 E-05	4.47 E+01	3.82 E-05	2.21 E+00	1.53 E-05	1.21 E-01	1.34 E-06
581133	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581135	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581136	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581137	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581140	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581141	1.97 E-01	3.04 E-04	1.96 E-01	2.62 E-04	1.13 E-01	7.29 E-05	3.17 E-03	5.40 E-06
581142	2.00 E-01	4.67 E-04	1.98 E-01	3.99 E-04	1.14 E-01	1.08 E-04	3.20 E-03	7.89 E-06
581143	2.05 E-01	6.76 E-04	2.01 E-01	5.76 E-04	1.15 E-01	1.53 E-04	3.24 E-03	1.11 E-05
581144	2.10 E-01	8.99 E-04	2.04 E-01	7.63 E-04	1.15 E-01	2.02 E-04	3.28 E-03	1.45 E-05
581145	2.14 E-01	9.66 E-04	2.06 E-01	8.20 E-04	1.16 E-01	2.16 E-04	3.30 E-03	1.55 E-05
581146	2.54 E-01	1.16 E-03	2.31 E-01	9.86 E-04	1.22 E-01	2.59 E-04	3.62 E-03	1.86 E-05
581147	2.34 E-01	2.22 E-02	2.19 E-01	2.20 E-02	1.19 E-01	4.47 E-03	3.46 E-03	2.43 E-04
581148	2.14 E-01	9.75 E-04	2.06 E-01	8.27 E-04	1.16 E-01	2.18 E-04	3.30 E-03	1.56 E-05
581149	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581150	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581151	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581152	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581153	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581154	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
581155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
581156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582118	1.99 E+00	3.82 E-05	6.14 E-01	3.82 E-05	1.32 E-01	1.53 E-05	4.24 E-03	1.34 E-06
582119	4.15 E+00	3.82 E-05	1.12 E+00	3.82 E-05	1.56 E-01	1.53 E-05	5.57 E-03	1.34 E-06
582120	8.57 E+00	3.82 E-05	2.15 E+00	3.82 E-05	2.05 E-01	1.53 E-05	8.31 E-03	1.34 E-06
582121	1.79 E+01	3.82 E-05	4.34 E+00	3.82 E-05	3.08 E-01	1.53 E-05	1.41 E-02	1.34 E-06
582123	6.62 E+01	5.64 E-05	1.57 E+01	5.38 E-05	8.46 E-01	1.89 E-05	4.41 E-02	1.62 E-06
582124	1.12 E+02	5.64 E-05	2.63 E+01	5.35 E-05	1.35 E+00	1.90 E-05	7.22 E-02	1.62 E-06
582125	1.67 E+02	5.66 E-05	3.93 E+01	5.37 E-05	1.96 E+00	1.90 E-05	1.07 E-01	1.63 E-06
582126	2.26 E+02	5.54 E-05	5.32 E+01	5.27 E-05	2.62 E+00	1.88 E-05	1.43 E-01	1.61 E-06
582127	2.78 E+02	5.33 E-05	6.53 E+01	5.09 E-05	3.19 E+00	1.84 E-05	1.75 E-01	1.58 E-06
582128	3.11 E+02	5.04 E-05	7.30 E+01	4.85 E-05	3.55 E+00	1.78 E-05	1.96 E-01	1.53 E-06
582129	2.80 E+02	4.72 E-05	6.59 E+01	4.58 E-05	3.22 E+00	1.71 E-05	1.77 E-01	1.48 E-06
582130	2.09 E+02	4.41 E-05	4.91 E+01	4.32 E-05	2.42 E+00	1.65 E-05	1.32 E-01	1.43 E-06
582131	1.30 E+02	3.82 E-05	3.06 E+01	3.82 E-05	1.55 E+00	1.53 E-05	8.36 E-02	1.34 E-06
582132	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582133	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582135	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582136	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582137	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582140	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582141	1.97 E-01	3.17 E-04	1.96 E-01	2.73 E-04	1.13 E-01	7.59 E-05	3.17 E-03	5.61 E-06
582142	2.01 E-01	4.90 E-04	1.98 E-01	4.18 E-04	1.14 E-01	1.13 E-04	3.20 E-03	8.24 E-06
582143	2.05 E-01	6.91 E-04	2.01 E-01	5.88 E-04	1.15 E-01	1.57 E-04	3.24 E-03	1.13 E-05
582144	2.24 E-01	8.90 E-04	2.13 E-01	7.56 E-04	1.18 E-01	2.00 E-04	3.40 E-03	1.43 E-05
582145	4.71 E-01	1.04 E-03	3.76 E-01	8.84 E-04	1.54 E-01	2.33 E-04	5.43 E-03	1.67 E-05
582146	8.98 E-01	1.10 E-03	6.56 E-01	9.35 E-04	2.17 E-01	2.46 E-04	8.96 E-03	1.77 E-05
582147	7.78 E-01	2.10 E-03	5.76 E-01	1.77 E-03	2.01 E-01	4.62 E-04	7.98 E-03	3.28 E-05
582148	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582149	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582150	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582151	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582152	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
582153	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582154	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
582156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583116	5.25 E-01	0.00 E+00	1.23 E-01	0.00 E+00	5.82 E-03	0.00 E+00	3.25 E-04	0.00 E+00
583117	1.14 E+00	0.00 E+00	2.68 E-01	0.00 E+00	1.27 E-02	0.00 E+00	7.09 E-04	0.00 E+00
583118	2.62 E+00	3.82 E-05	7.60 E-01	3.82 E-05	1.39 E-01	1.53 E-05	4.62 E-03	1.34 E-06
583119	5.09 E+00	3.82 E-05	1.34 E+00	3.82 E-05	1.66 E-01	1.53 E-05	6.15 E-03	1.34 E-06
583120	1.01 E+01	3.82 E-05	2.50 E+00	3.82 E-05	2.21 E-01	1.53 E-05	9.24 E-03	1.34 E-06
583121	1.82 E+01	3.82 E-05	4.41 E+00	3.82 E-05	3.12 E-01	1.53 E-05	1.43 E-02	1.34 E-06
583122	3.58 E+01	5.42 E-05	8.55 E+00	5.19 E-05	5.09 E-01	1.85 E-05	2.53 E-02	1.59 E-06
583123	5.79 E+01	5.84 E-05	1.37 E+01	5.55 E-05	7.55 E-01	1.93 E-05	3.91 E-02	1.65 E-06
583124	8.23 E+01	5.93 E-05	1.94 E+01	5.60 E-05	1.02 E+00	1.96 E-05	5.40 E-02	1.67 E-06
583125	1.08 E+02	6.03 E-05	2.54 E+01	5.69 E-05	1.30 E+00	1.98 E-05	6.98 E-02	1.68 E-06
583126	1.27 E+02	5.85 E-05	3.00 E+01	5.54 E-05	1.52 E+00	1.94 E-05	8.19 E-02	1.66 E-06
583127	1.38 E+02	5.59 E-05	3.26 E+01	5.31 E-05	1.64 E+00	1.89 E-05	8.88 E-02	1.61 E-06
583128	1.24 E+02	5.23 E-05	2.93 E+01	5.01 E-05	1.49 E+00	1.82 E-05	8.02 E-02	1.56 E-06
583129	9.57 E+01	4.85 E-05	2.26 E+01	4.69 E-05	1.17 E+00	1.74 E-05	6.23 E-02	1.50 E-06
583130	6.07 E+01	4.51 E-05	1.44 E+01	4.40 E-05	7.82 E-01	1.67 E-05	4.06 E-02	1.45 E-06
583131	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583132	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583133	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583135	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583136	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583137	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583140	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583141	1.97 E-01	3.04 E-04	1.96 E-01	2.62 E-04	1.13 E-01	7.29 E-05	3.17 E-03	5.40 E-06
583142	2.00 E-01	4.67 E-04	1.98 E-01	3.99 E-04	1.14 E-01	1.08 E-04	3.20 E-03	7.89 E-06
583143	2.04 E-01	6.55 E-04	2.00 E-01	5.58 E-04	1.14 E-01	1.49 E-04	3.23 E-03	1.08 E-05
583144	2.18 E-01	8.48 E-04	2.08 E-01	7.21 E-04	1.17 E-01	1.91 E-04	3.34 E-03	1.38 E-05
583145	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583146	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583147	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
583148	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583149	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583150	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583151	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583152	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583153	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583154	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
583156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584113	9.44 E-02	0.00 E+00	2.21 E-02	0.00 E+00	1.05 E-03	0.00 E+00	5.85 E-05	0.00 E+00
584114	2.43 E-01	0.00 E+00	5.69 E-02	0.00 E+00	2.69 E-03	0.00 E+00	1.51 E-04	0.00 E+00
584115	5.11 E-01	0.00 E+00	1.20 E-01	0.00 E+00	5.66 E-03	0.00 E+00	3.17 E-04	0.00 E+00
584116	8.77 E-01	0.00 E+00	2.05 E-01	0.00 E+00	9.72 E-03	0.00 E+00	5.44 E-04	0.00 E+00
584117	1.42 E+00	0.00 E+00	3.33 E-01	0.00 E+00	1.57 E-02	0.00 E+00	8.81 E-04	0.00 E+00
584118	3.10 E+00	3.82 E-05	8.73 E-01	3.82 E-05	1.44 E-01	1.53 E-05	4.92 E-03	1.34 E-06
584119	5.55 E+00	3.82 E-05	1.44 E+00	3.82 E-05	1.71 E-01	1.53 E-05	6.44 E-03	1.34 E-06
584120	9.51 E+00	3.82 E-05	2.37 E+00	3.82 E-05	2.15 E-01	1.53 E-05	8.90 E-03	1.34 E-06
584121	2.04 E+01	5.27 E-05	4.92 E+00	5.04 E-05	3.36 E-01	1.82 E-05	1.56 E-02	1.57 E-06
584122	3.03 E+01	5.63 E-05	7.26 E+00	5.37 E-05	4.48 E-01	1.89 E-05	2.19 E-02	1.62 E-06
584123	4.18 E+01	6.04 E-05	9.95 E+00	5.72 E-05	5.76 E-01	1.97 E-05	2.91 E-02	1.68 E-06
584124	5.30 E+01	6.08 E-05	1.26 E+01	5.72 E-05	6.97 E-01	1.99 E-05	3.58 E-02	1.69 E-06
584125	6.40 E+01	6.22 E-05	1.52 E+01	5.85 E-05	8.19 E-01	2.02 E-05	4.27 E-02	1.71 E-06
584126	6.46 E+01	6.10 E-05	1.53 E+01	5.74 E-05	8.25 E-01	1.99 E-05	4.30 E-02	1.69 E-06
584127	5.79 E+01	5.79 E-05	1.37 E+01	5.49 E-05	7.52 E-01	1.93 E-05	3.89 E-02	1.65 E-06
584128	4.45 E+01	5.39 E-05	1.06 E+01	5.14 E-05	6.03 E-01	1.85 E-05	3.06 E-02	1.58 E-06
584129	2.84 E+01	4.96 E-05	6.79 E+00	4.78 E-05	4.24 E-01	1.76 E-05	2.06 E-02	1.52 E-06
584130	2.70 E+00	4.57 E-05	7.81 E-01	4.45 E-05	1.40 E-01	1.68 E-05	4.68 E-03	1.46 E-06
584131	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584132	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584133	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584135	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584136	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584137	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
584140	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584141	1.96 E-01	2.63 E-04	1.95 E-01	2.28 E-04	1.13 E-01	6.42 E-05	3.16 E-03	4.78 E-06
584142	1.99 E-01	4.00 E-04	1.97 E-01	3.43 E-04	1.13 E-01	9.38 E-05	3.19 E-03	6.87 E-06
584143	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584144	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584145	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584146	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584147	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584148	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584149	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584150	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584151	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584152	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584153	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584154	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
584156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585113	1.37 E-01	0.00 E+00	3.21 E-02	0.00 E+00	1.52 E-03	0.00 E+00	8.50 E-05	0.00 E+00
585114	3.50 E-01	0.00 E+00	8.19 E-02	0.00 E+00	3.87 E-03	0.00 E+00	2.17 E-04	0.00 E+00
585115	7.33 E-01	0.00 E+00	1.72 E-01	0.00 E+00	8.12 E-03	0.00 E+00	4.54 E-04	0.00 E+00
585116	1.24 E+00	0.00 E+00	2.91 E-01	0.00 E+00	1.38 E-02	0.00 E+00	7.71 E-04	0.00 E+00
585117	1.74 E+00	0.00 E+00	4.08 E-01	0.00 E+00	1.93 E-02	0.00 E+00	1.08 E-03	0.00 E+00
585118	3.00 E+00	3.82 E-05	8.51 E-01	3.82 E-05	1.43 E-01	1.53 E-05	4.86 E-03	1.34 E-06
585119	4.92 E+00	3.82 E-05	1.30 E+00	3.82 E-05	1.64 E-01	1.53 E-05	6.05 E-03	1.34 E-06
585120	1.26 E+01	5.17 E-05	3.10 E+00	4.96 E-05	2.50 E-01	1.80 E-05	1.08 E-02	1.55 E-06
585121	1.78 E+01	5.57 E-05	4.31 E+00	5.30 E-05	3.07 E-01	1.89 E-05	1.40 E-02	1.61 E-06
585122	2.21 E+01	5.77 E-05	5.33 E+00	5.50 E-05	3.57 E-01	1.92 E-05	1.68 E-02	1.64 E-06
585123	2.74 E+01	6.18 E-05	6.57 E+00	5.85 E-05	4.16 E-01	2.00 E-05	2.02 E-02	1.70 E-06
585124	3.24 E+01	6.21 E-05	7.74 E+00	5.85 E-05	4.69 E-01	2.02 E-05	2.31 E-02	1.71 E-06
585125	3.36 E+01	6.31 E-05	8.02 E+00	5.93 E-05	4.82 E-01	2.04 E-05	2.38 E-02	1.73 E-06
585126	3.08 E+01	6.26 E-05	7.35 E+00	5.88 E-05	4.51 E-01	2.02 E-05	2.21 E-02	1.72 E-06
585127	2.47 E+01	5.86 E-05	5.92 E+00	5.54 E-05	3.83 E-01	1.94 E-05	1.83 E-02	1.66 E-06
585128	1.73 E+01	5.41 E-05	4.21 E+00	5.17 E-05	3.02 E-01	1.85 E-05	1.37 E-02	1.59 E-06
585129	1.01 E+01	4.97 E-05	2.50 E+00	4.79 E-05	2.21 E-01	1.76 E-05	9.25 E-03	1.52 E-06
585130	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585131	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
585132	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585133	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585135	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585136	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585137	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585140	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585141	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585142	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585143	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585144	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585145	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585146	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585147	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585148	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585149	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585150	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585151	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585152	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585153	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585154	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
585156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586113	1.60 E-01	0.00 E+00	3.74 E-02	0.00 E+00	1.77 E-03	0.00 E+00	9.91 E-05	0.00 E+00
586114	4.08 E-01	0.00 E+00	9.56 E-02	0.00 E+00	4.52 E-03	0.00 E+00	2.53 E-04	0.00 E+00
586115	8.60 E-01	0.00 E+00	2.01 E-01	0.00 E+00	9.53 E-03	0.00 E+00	5.33 E-04	0.00 E+00
586116	1.45 E+00	0.00 E+00	3.41 E-01	0.00 E+00	1.61 E-02	0.00 E+00	9.01 E-04	0.00 E+00
586117	2.04 E+00	0.00 E+00	4.78 E-01	0.00 E+00	2.26 E-02	0.00 E+00	1.27 E-03	0.00 E+00
586118	2.54 E+00	3.82 E-05	7.43 E-01	3.82 E-05	1.38 E-01	1.53 E-05	4.58 E-03	1.34 E-06
586119	3.98 E+00	3.82 E-05	1.08 E+00	3.82 E-05	1.54 E-01	1.53 E-05	5.47 E-03	1.34 E-06
586120	1.11 E+01	5.41 E-05	2.74 E+00	5.17 E-05	2.33 E-01	1.85 E-05	9.87 E-03	1.59 E-06
586121	1.44 E+01	5.83 E-05	3.51 E+00	5.52 E-05	2.69 E-01	1.94 E-05	1.19 E-02	1.65 E-06
586122	1.57 E+01	5.85 E-05	3.84 E+00	5.56 E-05	2.86 E-01	1.94 E-05	1.29 E-02	1.65 E-06
586123	1.81 E+01	6.25 E-05	4.39 E+00	5.91 E-05	3.13 E-01	2.02 E-05	1.44 E-02	1.71 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
586124	1.91 E+01	6.28 E-05	4.62 E+00	5.90 E-05	3.22 E-01	2.03 E-05	1.48 E-02	1.72 E-06
586125	1.86 E+01	6.39 E-05	4.49 E+00	6.00 E-05	3.16 E-01	2.05 E-05	1.45 E-02	1.74 E-06
586126	1.60 E+01	6.27 E-05	3.90 E+00	5.88 E-05	2.87 E-01	2.03 E-05	1.29 E-02	1.72 E-06
586127	1.29 E+01	6.01 E-05	3.15 E+00	5.68 E-05	2.52 E-01	1.98 E-05	1.10 E-02	1.68 E-06
586128	8.40 E+00	5.37 E-05	2.11 E+00	5.13 E-05	2.03 E-01	1.84 E-05	8.22 E-03	1.58 E-06
586129	3.90 E+00	4.93 E-05	1.06 E+00	4.76 E-05	1.53 E-01	1.75 E-05	5.43 E-03	1.51 E-06
586130	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586131	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586132	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586133	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586134	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586135	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586136	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586137	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586138	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586139	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586140	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586141	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586142	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586143	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586144	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586145	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586146	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586147	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586148	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586149	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586150	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586151	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586152	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586153	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586154	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586155	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
586156	1.92 E-01	3.82 E-05	1.92 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587113	1.55 E-01	0.00 E+00	3.64 E-02	0.00 E+00	1.72 E-03	0.00 E+00	9.63 E-05	0.00 E+00
587114	3.87 E-01	0.00 E+00	9.07 E-02	0.00 E+00	4.29 E-03	0.00 E+00	2.40 E-04	0.00 E+00
587115	8.27 E-01	0.00 E+00	1.94 E-01	0.00 E+00	9.16 E-03	0.00 E+00	5.13 E-04	0.00 E+00

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
587116	1.40 E+00	0.00 E+00	3.28 E-01	0.00 E+00	1.55 E-02	0.00 E+00	8.67 E-04	0.00 E+00
587117	1.96 E+00	0.00 E+00	4.60 E-01	0.00 E+00	2.18 E-02	0.00 E+00	1.22 E-03	0.00 E+00
587118	2.35 E+00	3.82 E-05	6.98 E-01	3.82 E-05	1.36 E-01	1.53 E-05	4.46 E-03	1.34 E-06
587119	7.63 E+00	5.26 E-05	1.93 E+00	5.03 E-05	1.94 E-01	1.82 E-05	7.74 E-03	1.56 E-06
587120	9.79 E+00	5.66 E-05	2.44 E+00	5.38 E-05	2.18 E-01	1.91 E-05	9.08 E-03	1.63 E-06
587121	1.21 E+01	6.09 E-05	2.99 E+00	5.74 E-05	2.44 E-01	1.99 E-05	1.05 E-02	1.69 E-06
587122	1.40 E+01	6.46 E-05	3.41 E+00	6.05 E-05	2.65 E-01	2.07 E-05	1.17 E-02	1.75 E-06
587123	1.23 E+01	6.26 E-05	3.03 E+00	5.91 E-05	2.49 E-01	2.02 E-05	1.08 E-02	1.72 E-06
587124	1.27 E+01	6.27 E-05	3.11 E+00	5.88 E-05	2.50 E-01	2.03 E-05	1.09 E-02	1.72 E-06
587125	1.24 E+01	6.37 E-05	3.04 E+00	5.98 E-05	2.47 E-01	2.05 E-05	1.07 E-02	1.74 E-06
587126	1.06 E+01	6.19 E-05	2.63 E+00	5.83 E-05	2.28 E-01	2.01 E-05	9.60 E-03	1.71 E-06
587127	8.79 E+00	5.93 E-05	2.20 E+00	5.60 E-05	2.08 E-01	1.96 E-05	8.46 E-03	1.67 E-06
587128	6.24 E+00	5.59 E-05	1.61 E+00	5.31 E-05	1.79 E-01	1.89 E-05	6.88 E-03	1.62 E-06
587129	6.18 E+00	5.57 E-05	1.59 E+00	5.30 E-05	1.79 E-01	1.89 E-05	6.85 E-03	1.61 E-06
587130	1.94 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
587131	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
587132	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
587133	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587134	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587135	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587136	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587137	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587138	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587139	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587140	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587141	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587142	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587143	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587144	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587145	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587146	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587147	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587148	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587149	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587150	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587151	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
587152	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587153	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587154	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587155	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
587156	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588113	1.23 E-01	0.00 E+00	2.89 E-02	0.00 E+00	1.37 E-03	0.00 E+00	7.64 E-05	0.00 E+00
588114	3.06 E-01	0.00 E+00	7.18 E-02	0.00 E+00	3.39 E-03	0.00 E+00	1.90 E-04	0.00 E+00
588115	6.38 E-01	0.00 E+00	1.49 E-01	0.00 E+00	7.07 E-03	0.00 E+00	3.96 E-04	0.00 E+00
588116	1.10 E+00	0.00 E+00	2.59 E-01	0.00 E+00	1.22 E-02	0.00 E+00	6.85 E-04	0.00 E+00
588117	1.48 E+00	0.00 E+00	3.46 E-01	0.00 E+00	1.64 E-02	0.00 E+00	9.15 E-04	0.00 E+00
588118	5.96 E+00	5.06 E-05	1.54 E+00	4.87 E-05	1.76 E-01	1.78 E-05	6.71 E-03	1.54 E-06
588119	7.18 E+00	5.45 E-05	1.83 E+00	5.20 E-05	1.90 E-01	1.86 E-05	7.46 E-03	1.59 E-06
588120	9.13 E+00	5.88 E-05	2.28 E+00	5.56 E-05	2.11 E-01	1.95 E-05	8.67 E-03	1.66 E-06
588121	1.09 E+01	6.30 E-05	2.69 E+00	5.92 E-05	2.30 E-01	2.04 E-05	9.73 E-03	1.72 E-06
588122	1.22 E+01	6.68 E-05	3.00 E+00	6.23 E-05	2.45 E-01	2.11 E-05	1.06 E-02	1.78 E-06
588123	1.30 E+01	6.97 E-05	3.19 E+00	6.48 E-05	2.54 E-01	2.17 E-05	1.11 E-02	1.83 E-06
588124	1.32 E+01	7.10 E-05	3.23 E+00	6.59 E-05	2.56 E-01	2.20 E-05	1.12 E-02	1.85 E-06
588125	9.68 E+00	6.29 E-05	2.41 E+00	5.91 E-05	2.17 E-01	2.03 E-05	9.01 E-03	1.72 E-06
588126	8.57 E+00	6.07 E-05	2.15 E+00	5.72 E-05	2.05 E-01	1.99 E-05	8.32 E-03	1.69 E-06
588127	9.74 E+00	6.54 E-05	2.43 E+00	6.12 E-05	2.18 E-01	2.08 E-05	9.05 E-03	1.76 E-06
588128	8.07 E+00	6.09 E-05	2.04 E+00	5.73 E-05	1.99 E-01	1.99 E-05	8.01 E-03	1.69 E-06
588129	6.35 E+00	5.60 E-05	1.63 E+00	5.33 E-05	1.80 E-01	1.89 E-05	6.95 E-03	1.62 E-06
588130	4.69 E+00	5.14 E-05	1.24 E+00	4.94 E-05	1.62 E-01	1.80 E-05	5.92 E-03	1.55 E-06
588131	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
588132	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
588133	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588134	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588135	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588136	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588137	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588138	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588139	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588140	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588141	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588142	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588143	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
588144	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588145	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588146	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588147	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588148	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588149	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588150	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588151	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588152	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588153	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588154	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588155	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
588156	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589113	7.94 E-02	0.00 E+00	1.86 E-02	0.00 E+00	8.79 E-04	0.00 E+00	4.92 E-05	0.00 E+00
589114	1.98 E-01	0.00 E+00	4.64 E-02	0.00 E+00	2.20 E-03	0.00 E+00	1.23 E-04	0.00 E+00
589115	4.18 E-01	0.00 E+00	9.79 E-02	0.00 E+00	4.63 E-03	0.00 E+00	2.59 E-04	0.00 E+00
589116	6.88 E-01	0.00 E+00	1.61 E-01	0.00 E+00	7.63 E-03	0.00 E+00	4.27 E-04	0.00 E+00
589117	8.27 E-01	0.00 E+00	1.94 E-01	0.00 E+00	9.16 E-03	0.00 E+00	5.13 E-04	0.00 E+00
589118	6.02 E+00	5.23 E-05	1.56 E+00	5.01 E-05	1.77 E-01	1.82 E-05	6.74 E-03	1.56 E-06
589119	7.35 E+00	5.63 E-05	1.87 E+00	5.35 E-05	1.91 E-01	1.90 E-05	7.57 E-03	1.62 E-06
589120	8.85 E+00	6.06 E-05	2.22 E+00	5.72 E-05	2.08 E-01	1.99 E-05	8.50 E-03	1.69 E-06
589121	1.04 E+01	6.47 E-05	2.58 E+00	6.06 E-05	2.25 E-01	2.07 E-05	9.46 E-03	1.75 E-06
589122	1.17 E+01	6.83 E-05	2.88 E+00	6.36 E-05	2.39 E-01	2.14 E-05	1.03 E-02	1.80 E-06
589123	1.27 E+01	7.08 E-05	3.13 E+00	6.57 E-05	2.51 E-01	2.19 E-05	1.09 E-02	1.84 E-06
589124	1.31 E+01	7.19 E-05	3.21 E+00	6.67 E-05	2.55 E-01	2.22 E-05	1.11 E-02	1.86 E-06
589125	1.22 E+01	7.14 E-05	3.01 E+00	6.62 E-05	2.45 E-01	2.21 E-05	1.06 E-02	1.85 E-06
589126	1.13 E+01	6.91 E-05	2.79 E+00	6.43 E-05	2.35 E-01	2.16 E-05	1.00 E-02	1.82 E-06
589127	9.79 E+00	4.10 E-03	2.44 E+00	4.09 E-03	2.18 E-01	5.29 E-04	9.08 E-03	2.75 E-05
589128	8.18 E+00	6.10 E-05	2.06 E+00	5.75 E-05	2.01 E-01	2.00 E-05	8.08 E-03	1.69 E-06
589129	6.46 E+00	5.64 E-05	1.66 E+00	5.35 E-05	1.82 E-01	1.90 E-05	7.02 E-03	1.62 E-06
589130	4.76 E+00	5.16 E-05	1.26 E+00	4.95 E-05	1.63 E-01	1.80 E-05	5.96 E-03	1.55 E-06
589131	1.94 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
589132	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
589133	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
589134	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589135	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
589136	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589137	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589138	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589139	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589140	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589141	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589142	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589143	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589144	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589145	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589146	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589147	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589148	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589149	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589150	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589151	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589152	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589153	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589154	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589155	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
589156	1.93 E-01	3.82 E-05	1.93 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.12 E-03	1.34 E-06
590057	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
590067	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
590077	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
590087	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
590097	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
590113	4.23 E-02	0.00 E+00	9.92 E-03	0.00 E+00	4.69 E-04	0.00 E+00	2.62 E-05	0.00 E+00
590114	1.04 E-01	0.00 E+00	2.44 E-02	0.00 E+00	1.16 E-03	0.00 E+00	6.47 E-05	0.00 E+00
590115	2.14 E-01	0.00 E+00	5.02 E-02	0.00 E+00	2.37 E-03	0.00 E+00	1.33 E-04	0.00 E+00
590116	3.17 E-01	0.00 E+00	7.44 E-02	0.00 E+00	3.52 E-03	0.00 E+00	1.97 E-04	0.00 E+00
590117	4.61 E+00	1.19 E-05	1.08 E+00	1.01 E-05	5.11 E-02	2.44 E-06	2.86 E-03	1.83 E-07
590118	6.13 E+00	5.38 E-05	1.58 E+00	5.13 E-05	1.78 E-01	1.84 E-05	6.81 E-03	1.58 E-06
590119	7.63 E+00	5.78 E-05	1.93 E+00	5.48 E-05	1.95 E-01	1.93 E-05	7.74 E-03	1.65 E-06
590120	9.13 E+00	6.21 E-05	2.28 E+00	5.84 E-05	2.11 E-01	2.02 E-05	8.67 E-03	1.71 E-06
590121	1.04 E+01	7.24 E-02	2.59 E+00	7.24 E-02	2.25 E-01	4.12 E-02	9.46 E-03	2.65 E-03
590122	1.17 E+01	6.93 E-05	2.90 E+00	6.45 E-05	2.40 E-01	2.16 E-05	1.03 E-02	1.82 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
590123	1.27 E+01	7.15 E-05	3.14 E+00	6.63 E-05	2.51 E-01	2.21 E-05	1.09 E-02	1.85 E-06
590124	1.29 E+01	7.23 E-05	3.16 E+00	6.70 E-05	2.52 E-01	2.22 E-05	1.10 E-02	1.87 E-06
590125	1.21 E+01	7.14 E-05	3.00 E+00	6.62 E-05	2.44 E-01	2.21 E-05	1.05 E-02	1.85 E-06
590126	1.11 E+01	6.91 E-05	2.76 E+00	6.42 E-05	2.33 E-01	2.16 E-05	9.91 E-03	1.82 E-06
590127	9.86 E+00	6.55 E-05	2.46 E+00	6.12 E-05	2.19 E-01	2.08 E-05	9.12 E-03	1.76 E-06
590128	8.19 E+00	6.10 E-05	2.07 E+00	5.74 E-05	2.01 E-01	1.99 E-05	8.08 E-03	1.69 E-06
590129	6.47 E+00	5.63 E-05	1.67 E+00	5.35 E-05	1.82 E-01	1.90 E-05	7.02 E-03	1.62 E-06
590130	4.84 E+00	5.17 E-05	1.29 E+00	4.96 E-05	1.64 E-01	1.80 E-05	6.01 E-03	1.55 E-06
590131	1.98 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590132	1.97 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590133	1.97 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590134	1.97 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590135	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590136	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590137	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590138	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590139	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590140	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590141	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590142	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590143	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590144	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590145	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590146	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
590147	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
590157	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
590167	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
590177	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
590187	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
590197	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
590207	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
591108	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591109	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591110	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591111	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591112	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
591113	2.15 E-01	3.82 E-05	2.01 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.14 E-03	1.34 E-06
591114	2.41 E-01	3.82 E-05	2.07 E-01	3.82 E-05	1.13 E-01	1.53 E-05	3.15 E-03	1.34 E-06
591115	2.79 E-01	3.82 E-05	2.16 E-01	3.82 E-05	1.13 E-01	1.53 E-05	3.18 E-03	1.34 E-06
591116	3.35 E-01	3.82 E-05	2.29 E-01	3.82 E-05	1.14 E-01	1.53 E-05	3.21 E-03	1.34 E-06
591117	5.05 E+00	5.14 E-05	1.34 E+00	4.93 E-05	1.66 E-01	1.80 E-05	6.14 E-03	1.55 E-06
591118	6.42 E+00	5.51 E-05	1.66 E+00	5.25 E-05	1.81 E-01	1.87 E-05	6.98 E-03	1.60 E-06
591119	7.86 E+00	5.92 E-05	1.99 E+00	5.59 E-05	1.97 E-01	1.96 E-05	7.88 E-03	1.67 E-06
591120	9.30 E+00	6.31 E-05	2.33 E+00	5.93 E-05	2.13 E-01	2.04 E-05	8.77 E-03	1.73 E-06
591121	1.07 E+01	6.69 E-05	2.66 E+00	6.24 E-05	2.28 E-01	2.11 E-05	9.63 E-03	1.78 E-06
591122	1.23 E+01	6.98 E-05	3.31 E+00	6.49 E-05	2.83 E-01	2.17 E-05	1.80 E-02	1.83 E-06
591123	1.27 E+01	7.16 E-05	3.14 E+00	6.64 E-05	2.51 E-01	2.21 E-05	1.09 E-02	1.86 E-06
591124	1.26 E+01	7.21 E-05	3.11 E+00	6.69 E-05	2.50 E-01	2.22 E-05	1.08 E-02	1.86 E-06
591125	1.20 E+01	7.10 E-05	2.96 E+00	6.60 E-05	2.42 E-01	2.20 E-05	1.04 E-02	1.85 E-06
591126	1.11 E+01	6.86 E-05	2.75 E+00	6.39 E-05	2.33 E-01	2.15 E-05	9.87 E-03	1.81 E-06
591127	9.75 E+00	6.49 E-05	2.44 E+00	6.08 E-05	2.18 E-01	2.07 E-05	9.05 E-03	1.75 E-06
591128	8.08 E+00	6.06 E-05	2.05 E+00	5.72 E-05	1.99 E-01	1.99 E-05	8.01 E-03	1.69 E-06
591129	6.42 E+00	5.59 E-05	1.66 E+00	5.32 E-05	1.81 E-01	1.89 E-05	6.98 E-03	1.62 E-06
591130	4.83 E+00	5.16 E-05	1.29 E+00	4.95 E-05	1.63 E-01	1.80 E-05	6.00 E-03	1.55 E-06
591131	1.99 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591132	1.98 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591133	1.97 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591134	1.97 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591135	1.97 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591136	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591137	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591138	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591139	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591140	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591141	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591142	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591143	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591144	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591145	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
591146	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592108	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592109	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
592110	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592111	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592112	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592113	2.03 E-01	3.82 E-05	1.98 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592114	2.11 E-01	3.82 E-05	2.00 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592115	2.26 E-01	3.82 E-05	2.03 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.14 E-03	1.34 E-06
592116	4.17 E+00	2.40 E-03	1.13 E+00	2.40 E-03	1.56 E-01	4.63 E-04	5.59 E-03	2.50 E-05
592117	5.37 E+00	5.24 E-05	1.41 E+00	5.02 E-05	1.69 E-01	1.82 E-05	6.34 E-03	1.56 E-06
592118	6.75 E+00	5.62 E-05	1.73 E+00	5.34 E-05	1.85 E-01	1.89 E-05	7.19 E-03	1.62 E-06
592119	8.14 E+00	6.01 E-05	2.06 E+00	5.67 E-05	2.00 E-01	1.97 E-05	8.05 E-03	1.68 E-06
592120	9.58 E+00	6.40 E-05	2.40 E+00	6.00 E-05	2.16 E-01	2.05 E-05	8.94 E-03	1.74 E-06
592121	1.09 E+01	6.73 E-05	2.70 E+00	6.28 E-05	2.30 E-01	2.12 E-05	9.73 E-03	1.79 E-06
592122	1.21 E+01	6.99 E-05	3.00 E+00	6.50 E-05	2.44 E-01	2.17 E-05	1.05 E-02	1.83 E-06
592123	1.26 E+01	7.14 E-05	3.10 E+00	6.63 E-05	2.49 E-01	2.21 E-05	1.08 E-02	1.85 E-06
592124	1.24 E+01	7.15 E-05	3.06 E+00	6.64 E-05	2.47 E-01	2.21 E-05	1.07 E-02	1.85 E-06
592125	1.18 E+01	7.02 E-05	2.92 E+00	6.53 E-05	2.41 E-01	2.18 E-05	1.03 E-02	1.84 E-06
592126	1.08 E+01	6.77 E-05	2.68 E+00	6.32 E-05	2.29 E-01	2.13 E-05	9.70 E-03	1.80 E-06
592127	9.41 E+00	6.42 E-05	2.36 E+00	6.02 E-05	2.14 E-01	2.06 E-05	8.84 E-03	1.74 E-06
592128	7.86 E+00	5.99 E-05	1.99 E+00	5.66 E-05	1.97 E-01	1.97 E-05	7.88 E-03	1.68 E-06
592129	6.31 E+00	5.55 E-05	1.63 E+00	5.28 E-05	1.80 E-01	1.88 E-05	6.91 E-03	1.61 E-06
592130	4.77 E+00	5.13 E-05	1.27 E+00	4.93 E-05	1.63 E-01	1.80 E-05	5.96 E-03	1.55 E-06
592131	2.01 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592132	1.98 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592133	1.97 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592134	1.97 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592135	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592136	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592137	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592138	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592139	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592140	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592141	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592142	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592143	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592144	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
592145	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
592146	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593108	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593109	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593110	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593111	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593112	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593113	1.98 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593114	2.01 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593115	2.06 E-01	3.82 E-05	1.99 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593116	4.41 E+00	2.39 E-03	1.18 E+00	2.38 E-03	1.59 E-01	4.53 E-04	5.74 E-03	2.44 E-05
593117	5.63 E+00	5.33 E-05	1.47 E+00	5.09 E-05	1.72 E-01	1.83 E-05	6.50 E-03	1.58 E-06
593118	7.03 E+00	5.71 E-05	1.80 E+00	5.41 E-05	1.88 E-01	1.91 E-05	7.36 E-03	1.63 E-06
593119	8.41 E+00	6.07 E-05	2.12 E+00	5.73 E-05	2.03 E-01	1.99 E-05	8.22 E-03	1.69 E-06
593120	9.80 E+00	6.43 E-05	2.45 E+00	6.03 E-05	2.18 E-01	2.06 E-05	9.08 E-03	1.74 E-06
593121	1.10 E+01	6.74 E-05	2.72 E+00	6.29 E-05	2.31 E-01	2.12 E-05	9.80 E-03	1.79 E-06
593122	1.21 E+01	6.97 E-05	2.98 E+00	6.49 E-05	2.44 E-01	2.17 E-05	1.05 E-02	1.83 E-06
593123	1.24 E+01	7.09 E-05	3.06 E+00	6.59 E-05	2.47 E-01	2.20 E-05	1.07 E-02	1.85 E-06
593124	1.21 E+01	7.06 E-05	2.98 E+00	6.57 E-05	2.44 E-01	2.19 E-05	1.05 E-02	1.84 E-06
593125	1.15 E+01	6.93 E-05	2.84 E+00	6.45 E-05	2.37 E-01	2.16 E-05	1.01 E-02	1.82 E-06
593126	1.05 E+01	6.66 E-05	2.61 E+00	6.22 E-05	2.26 E-01	2.11 E-05	9.49 E-03	1.78 E-06
593127	9.14 E+00	6.31 E-05	2.29 E+00	5.93 E-05	2.11 E-01	2.04 E-05	8.67 E-03	1.73 E-06
593128	7.64 E+00	5.90 E-05	1.94 E+00	5.58 E-05	1.95 E-01	1.95 E-05	7.74 E-03	1.66 E-06
593129	6.08 E+00	5.49 E-05	1.58 E+00	5.23 E-05	1.77 E-01	1.87 E-05	6.78 E-03	1.60 E-06
593130	4.67 E+00	5.09 E-05	1.25 E+00	4.89 E-05	1.62 E-01	1.79 E-05	5.90 E-03	1.54 E-06
593131	2.01 E-01	3.82 E-05	1.98 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593132	1.99 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593133	1.97 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593134	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593135	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593136	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593137	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593138	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593139	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593140	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593141	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593142	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
593143	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593144	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593145	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
593146	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594108	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594109	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594110	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594111	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594112	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594113	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594114	1.97 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594115	4.40 E+01	1.07 E-04	4.40 E+01	1.07 E-04	3.74 E+00	2.83 E-05	8.49 E-01	3.11 E-06
594116	4.47 E+00	1.00 E+00	1.20 E+00	1.00 E+00	1.59 E-01	2.19 E-01	5.78 E-03	1.43 E-02
594117	5.75 E+00	5.36 E-05	1.50 E+00	5.12 E-05	1.74 E-01	1.84 E-05	6.57 E-03	1.58 E-06
594118	7.14 E+00	5.74 E-05	1.82 E+00	5.44 E-05	1.89 E-01	1.92 E-05	7.43 E-03	1.64 E-06
594119	8.52 E+00	6.12 E-05	2.15 E+00	5.77 E-05	2.04 E-01	2.00 E-05	8.29 E-03	1.70 E-06
594120	9.86 E+00	6.47 E-05	2.46 E+00	6.06 E-05	2.19 E-01	2.07 E-05	9.12 E-03	1.75 E-06
594121	1.11 E+01	6.75 E-05	2.75 E+00	6.29 E-05	2.33 E-01	2.12 E-05	9.87 E-03	1.79 E-06
594122	1.19 E+01	6.94 E-05	2.94 E+00	6.46 E-05	2.42 E-01	2.16 E-05	1.04 E-02	1.82 E-06
594123	1.21 E+01	6.99 E-05	2.98 E+00	6.51 E-05	2.44 E-01	2.18 E-05	1.05 E-02	1.83 E-06
594124	1.17 E+01	6.96 E-05	2.89 E+00	6.48 E-05	2.39 E-01	2.17 E-05	1.03 E-02	1.83 E-06
594125	1.10 E+01	6.80 E-05	2.73 E+00	6.34 E-05	2.32 E-01	2.14 E-05	9.84 E-03	1.80 E-06
594126	1.01 E+01	6.54 E-05	2.51 E+00	6.12 E-05	2.21 E-01	2.08 E-05	9.25 E-03	1.76 E-06
594127	8.75 E+00	6.21 E-05	2.20 E+00	5.84 E-05	2.07 E-01	2.01 E-05	8.43 E-03	1.71 E-06
594128	7.30 E+00	5.81 E-05	1.86 E+00	5.51 E-05	1.91 E-01	1.93 E-05	7.53 E-03	1.65 E-06
594129	5.86 E+00	5.41 E-05	1.53 E+00	5.17 E-05	1.75 E-01	1.85 E-05	6.64 E-03	1.59 E-06
594130	8.86 E+00	6.27 E-05	2.23 E+00	5.89 E-05	2.08 E-01	2.03 E-05	8.50 E-03	1.72 E-06
594131	2.02 E-01	3.82 E-05	1.98 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594132	1.99 E-01	3.82 E-05	1.97 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594133	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594134	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594135	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594136	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594137	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594138	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594139	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
594140	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594141	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594142	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594143	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594144	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594145	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
594146	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595108	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595109	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595110	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595111	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595112	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595113	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595114	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595115	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595116	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595117	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595118	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595119	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595120	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595121	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595122	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595123	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595124	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595125	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595126	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595127	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595128	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595129	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595130	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595131	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595132	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595133	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595134	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595135	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595136	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
595137	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595138	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595139	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595140	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595141	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595142	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595143	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595144	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595145	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
595146	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596108	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596109	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596110	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596111	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596112	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596113	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596114	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596115	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596116	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596117	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596118	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596119	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596120	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596121	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596122	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596123	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596124	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596125	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596126	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596127	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596128	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596129	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596130	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596131	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596132	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596133	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
596134	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596135	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596136	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596137	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596138	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596139	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596140	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596141	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596142	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596143	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596144	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596145	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
596146	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597108	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597109	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597110	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597111	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597112	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597113	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597114	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597115	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597116	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597117	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597118	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597119	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597120	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597121	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597122	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597123	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597124	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597125	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597126	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597127	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597128	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597129	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
597130	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	597131	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
2	597132	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
3	597133	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
4	597134	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
5	597135	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
6	597136	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
7	597137	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
8	597138	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
9	597139	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
10	597140	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
11	597141	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
12	597142	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
13	597143	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
14	597144	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
15	597145	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
16	597146	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
17	598108	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
18	598109	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
19	598110	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
20	598111	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
21	598112	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
22	598113	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
23	598114	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
24	598115	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
25	598116	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
26	598117	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
27	598118	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
28	598119	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
29	598120	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
30	598121	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
31	598122	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
32	598123	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
33	598124	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
34	598125	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
35	598126	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
36	598127	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
598128	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598129	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598130	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598131	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598132	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598133	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598134	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598135	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598136	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598137	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598138	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598139	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598140	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598141	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598142	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598143	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598144	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598145	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
598146	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599108	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599109	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599110	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599111	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599112	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599113	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599114	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599115	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599116	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599117	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599118	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599119	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599120	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599121	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599122	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599123	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599124	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
599125	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599126	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599127	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599128	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599129	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599130	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599131	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599132	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599133	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599134	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599135	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599136	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599137	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599138	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599139	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599140	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599141	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599142	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599143	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599144	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599145	1.96 E-01	3.82 E-05	1.96 E-01	3.82 E-05	1.12 E-01	1.53 E-05	3.13 E-03	1.34 E-06
599146	3.93 E-01	7.65 E-05	3.93 E-01	7.64 E-05	2.23 E-01	3.05 E-05	6.25 E-03	2.70 E-06
600057	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600067	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600077	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600087	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600097	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600107	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600117	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600127	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600137	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600147	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600157	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600167	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600177	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
600187	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	600197	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
2	600207	2.84 E-03	3.01 E-07	2.84 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
3	610057	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
4	610067	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
5	610077	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
6	610087	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
7	610097	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
8	610107	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
9	610117	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
10	610127	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
11	610137	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
12	610147	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
13	610157	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
14	610167	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
15	610177	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
16	610187	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
17	610197	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
18	610207	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
19	620057	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
20	620067	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
21	620077	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
22	620087	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
23	620097	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
24	620107	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
25	620117	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
26	620127	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
27	620137	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
28	620147	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
29	620157	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
30	620167	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
31	620177	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
32	620187	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
33	620197	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
34	620207	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
35	630057	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
36	630067	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08

Table B5-3. Statistical Increase in Individual Risk at T_{40} (Year 2029). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
630077	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630087	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630097	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630107	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630117	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630127	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630137	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630147	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630157	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630167	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630177	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630187	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630197	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
630207	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640057	5.82 E-03	6.02 E-07	5.82 E-03	6.02 E-07	3.75 E-03	2.43 E-07	1.05 E-04	2.02 E-08
640067	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640077	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640087	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640097	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640107	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640117	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640127	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640137	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640147	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640157	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640167	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640177	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640187	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640197	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08
640207	2.91 E-03	3.01 E-07	2.91 E-03	3.01 E-07	1.88 E-03	1.22 E-07	5.26 E-05	1.01 E-08

*Includes cancer risk and noncarcinogenic chemical risk.

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
490057	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
490067	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
490077	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
490087	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
490097	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
490107	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
490117	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
490127	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
490137	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
490147	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
490157	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
490167	0.00 E+00	1.67 E-12	0.00 E+00	1.66 E-12	0.00 E+00	1.51 E-13	0.00 E+00	1.42 E-14
490177	0.00 E+00	9.29 E-16	0.00 E+00	6.69 E-16	0.00 E+00	1.82 E-16	0.00 E+00	9.53 E-18
500057	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
500067	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
500077	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
500087	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
500097	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
500107	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
500117	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
500127	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
500137	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
500147	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
500157	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
500167	1.49 E-04	1.61 E-08	1.49 E-04	1.61 E-08	1.00 E-04	6.53 E-09	2.80 E-06	5.45 E-10
500177	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
500187	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
500197	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
500207	1.47 E-04	1.51 E-08	1.47 E-04	1.51 E-08	9.93 E-05	6.19 E-09	2.78 E-06	5.14 E-10
510057	1.51 E-04	1.61 E-08	1.51 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510067	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510077	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510087	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510097	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510107	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510117	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
510127	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510137	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510147	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510157	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510167	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510177	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510187	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510197	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
510207	1.50 E-04	1.61 E-08	1.50 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520057	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520067	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520077	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520087	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520097	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520107	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520117	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520127	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520137	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520147	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520157	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520167	1.51 E-04	1.61 E-08	1.51 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520177	1.51 E-04	1.61 E-08	1.51 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520187	1.51 E-04	1.61 E-08	1.51 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520197	1.51 E-04	1.61 E-08	1.51 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
520207	1.51 E-04	1.61 E-08	1.51 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530057	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530067	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530077	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530087	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530097	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530107	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530117	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530127	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530137	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530147	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530157	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
530167	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530177	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530187	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530197	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
530207	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
540057	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
540067	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
540077	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
540087	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
540097	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
540107	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
540117	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
540127	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
540137	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
540147	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
540157	4.32 E-04	2.05 E-08	4.32 E-04	2.05 E-08	2.90 E-04	8.53 E-09	8.12 E-06	6.29 E-10
540167	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
540177	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
540187	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
540197	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
540207	1.52 E-04	1.61 E-08	1.52 E-04	1.61 E-08	1.01 E-04	6.53 E-09	2.82 E-06	5.45 E-10
550057	4.55 E-04	7.31 E-08	4.55 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
550067	4.55 E-04	7.31 E-08	4.55 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
550077	4.55 E-04	7.31 E-08	4.55 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
550087	4.54 E-04	7.31 E-08	4.54 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
550097	4.54 E-04	7.31 E-08	4.54 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
550107	4.54 E-04	7.31 E-08	4.54 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
550117	4.54 E-04	7.31 E-08	4.54 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
550127	4.54 E-04	7.31 E-08	4.54 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
550137	4.54 E-04	7.31 E-08	4.54 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
550147	4.54 E-04	7.31 E-08	4.54 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
550157	4.54 E-04	7.31 E-08	4.54 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
550167	4.49 E-04	6.91 E-08	4.49 E-04	6.91 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
550177	4.49 E-04	6.91 E-08	4.49 E-04	6.91 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
550187	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
550197	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
550207	4.49 E-04	6.91 E-08	4.49 E-04	6.90 E-08	2.90 E-04	2.80 E-08	8.12 E-06	2.41 E-09
560057	4.62 E-04	7.31 E-08	4.62 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560067	4.62 E-04	7.31 E-08	4.62 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560077	4.62 E-04	7.31 E-08	4.62 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560087	4.62 E-04	7.31 E-08	4.62 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560097	4.62 E-04	7.31 E-08	4.62 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560107	4.62 E-04	7.31 E-08	4.62 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560117	4.62 E-04	7.31 E-08	4.62 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560157	4.55 E-04	7.31 E-08	4.55 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560167	4.55 E-04	7.31 E-08	4.55 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560177	4.55 E-04	7.31 E-08	4.55 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560187	4.55 E-04	7.31 E-08	4.55 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560197	4.55 E-04	7.31 E-08	4.55 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
560207	4.55 E-04	7.31 E-08	4.55 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
561128	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561129	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561130	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561131	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561132	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561133	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561134	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561135	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561136	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561137	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561138	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561139	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561140	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561141	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561142	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561143	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561144	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561145	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561146	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561147	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561148	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561149	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08

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Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
561150	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561151	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561152	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561153	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561154	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561155	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
561156	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
562128	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
562129	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
562130	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
562131	4.13 E-03	1.25 E-06	4.13 E-03	1.25 E-06	2.38 E-03	5.00 E-07	6.65 E-05	4.47 E-08
562132	4.13 E-03	6.34 E-06	4.13 E-03	6.34 E-06	2.38 E-03	2.54 E-06	6.65 E-05	2.33 E-07
562133	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562134	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562135	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562136	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562137	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562138	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562139	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562140	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562141	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562142	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562143	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562144	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562145	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562146	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562147	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562148	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562149	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562150	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562151	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562152	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562153	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562154	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562155	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
562156	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
563128	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
563129	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
563130	1.46 E-02	6.50 E-06	1.46 E-02	6.50 E-06	9.28 E-03	2.62 E-06	2.59 E-04	2.36 E-07
563131	1.46 E-02	6.52 E-06	1.46 E-02	6.52 E-06	9.28 E-03	2.63 E-06	2.59 E-04	2.36 E-07
563132	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563133	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563134	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563135	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563136	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563137	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563138	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563139	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563140	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563141	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563142	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563143	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563144	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563145	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563146	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563147	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563148	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563149	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563150	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563151	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563152	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563153	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563154	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563155	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
563156	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
564128	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
564129	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
564130	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
564131	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
564132	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
564133	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07
564134	1.79 E-02	6.52 E-06	1.79 E-02	6.52 E-06	9.29 E-03	2.63 E-06	2.60 E-04	2.36 E-07

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
564135	1.79 E-02	6.59 E-06	1.79 E-02	6.59 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564136	1.79 E-02	6.59 E-06	1.79 E-02	6.59 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564137	1.79 E-02	6.59 E-06	1.79 E-02	6.59 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564138	1.79 E-02	6.59 E-06	1.79 E-02	6.59 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564139	1.79 E-02	6.59 E-06	1.79 E-02	6.59 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564140	1.79 E-02	6.59 E-06	1.79 E-02	6.59 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564141	1.79 E-02	6.59 E-06	1.79 E-02	6.59 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564142	1.79 E-02	6.59 E-06	1.79 E-02	6.59 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564143	1.79 E-02	1.59 E-03	1.79 E-02	1.59 E-03	9.29 E-03	1.67 E-04	2.61 E-04	1.04 E-05
564144	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.30 E-03	2.65 E-06	2.61 E-04	2.39 E-07
564145	1.80 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.30 E-03	2.65 E-06	2.61 E-04	2.39 E-07
564146	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564147	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564148	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564149	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564150	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564151	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564152	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564153	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564154	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564155	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
564156	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
565128	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
565129	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
565130	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.29 E-03	2.65 E-06	2.60 E-04	2.39 E-07
565131	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.30 E-03	2.65 E-06	2.61 E-04	2.39 E-07
565132	1.79 E-02	6.60 E-06	1.79 E-02	6.60 E-06	9.32 E-03	2.65 E-06	2.61 E-04	2.39 E-07
565133	1.79 E-02	1.08 E-01	1.79 E-02	1.08 E-01	9.32 E-03	2.71 E-02	2.61 E-04	1.76 E-03
565134	6.84 E-02	5.52 E-05	6.84 E-02	5.52 E-05	4.28 E-02	1.58 E-05	1.20 E-03	1.38 E-06
565135	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565136	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565137	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565138	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565139	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565140	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565141	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
565142	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565143	6.87 E-02	1.39 E-03	6.85 E-02	1.39 E-03	4.28 E-02	1.54 E-04	1.20 E-03	9.99 E-06
565144	9.17 E-02	5.68 E-03	9.16 E-02	5.68 E-03	4.51 E-02	7.22 E-04	1.64 E-03	4.71 E-05
565145	6.88 E-02	4.23 E-02	6.86 E-02	4.23 E-02	4.28 E-02	5.23 E-03	1.20 E-03	3.33 E-04
565146	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565147	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565148	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565149	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565150	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565151	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565152	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565153	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565154	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565155	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
565156	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566128	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566129	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566130	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566131	6.84 E-02	3.40 E-05	6.84 E-02	3.40 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566132	6.84 E-02	3.41 E-05	6.84 E-02	3.41 E-05	4.28 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566133	9.21 E-02	6.39 E-01	9.21 E-02	6.39 E-01	4.29 E-02	1.73 E-01	1.20 E-03	1.12 E-02
566134	9.22 E-02	1.00 E+00	9.22 E-02	1.00 E+00	4.29 E-02	1.00 E+00	1.20 E-03	1.12 E-01
566135	2.98 E+00	1.00 E+00	2.98 E+00	1.00 E+00	4.51 E-01	1.00 E+00	6.20 E-02	8.26 E-01
566136	1.03 E+01	1.00 E+00	1.03 E+01	1.00 E+00	1.95 E+00	1.00 E+00	2.25 E-01	1.00 E+00
566137	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566138	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566139	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566140	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566141	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566142	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566143	9.36 E-02	3.45 E-05	9.29 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
566144	9.35 E-02	3.46 E-05	9.28 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
566145	1.05 E+01	3.47 E-05	2.53 E+00	3.46 E-05	1.59 E-01	1.38 E-05	7.68 E-03	1.25 E-06
566146	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566147	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566148	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
566149	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566150	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566151	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566152	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566153	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566154	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566155	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
566156	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567128	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567129	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567130	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567131	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567132	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567133	1.17 E-01	1.39 E-01	1.17 E-01	1.39 E-01	6.15 E-02	3.37 E-02	1.77 E-03	2.18 E-03
567134	9.21 E-02	1.00 E+00	9.21 E-02	1.00 E+00	4.29 E-02	3.58 E-01	1.20 E-03	2.33 E-02
567135	2.16 E+02	4.81 E-03	2.15 E+02	4.81 E-03	1.60 E+02	1.95 E-03	4.87 E+00	9.84 E-05
567136	4.08 E+00	1.00 E+00	2.26 E+00	1.00 E+00	5.63 E-01	5.03 E-01	3.32 E-02	3.25 E-02
567137	9.21 E-02	9.47 E-01	9.21 E-02	9.47 E-01	4.29 E-02	2.30 E-01	1.20 E-03	1.49 E-02
567138	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567139	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567140	9.52 E-02	3.41 E-05	9.37 E-02	3.41 E-05	4.33 E-02	1.37 E-05	1.23 E-03	1.24 E-06
567141	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567142	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567143	8.26 E+00	3.47 E-05	2.01 E+00	3.46 E-05	1.34 E-01	1.38 E-05	6.31 E-03	1.25 E-06
567144	1.07 E+01	3.47 E-05	2.57 E+00	3.46 E-05	1.60 E-01	1.38 E-05	7.80 E-03	1.25 E-06
567145	1.33 E+01	3.47 E-05	3.17 E+00	3.46 E-05	1.89 E-01	1.38 E-05	9.37 E-03	1.25 E-06
567146	1.58 E+01	3.49 E-05	3.76 E+00	3.48 E-05	2.16 E-01	1.39 E-05	1.09 E-02	1.26 E-06
567147	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567148	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567149	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567150	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567151	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567152	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567153	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567154	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
567155	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
567156	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568128	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568129	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568130	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568131	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568132	1.15 E-01	3.98 E-05	1.15 E-01	3.98 E-05	5.97 E-02	1.71 E-05	1.71 E-03	1.39 E-06
568133	7.73 E-01	4.52 E-02	6.84 E-01	3.82 E-02	2.68 E-01	1.01 E-02	1.07 E-02	7.22 E-04
568134	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568135	1.96 E+02	4.41 E-03	1.95 E+02	4.39 E-03	1.45 E+02	1.78 E-03	4.42 E+00	8.98 E-05
568136	9.67 E+01	1.67 E-03	8.53 E+01	1.67 E-03	5.76 E+01	6.78 E-04	1.83 E+00	3.46 E-05
568137	1.61 E+01	3.41 E-05	8.31 E+00	3.41 E-05	2.12 E+00	1.37 E-05	1.17 E-01	1.24 E-06
568138	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568139	1.06 E-01	3.43 E-05	9.90 E-02	3.43 E-05	4.46 E-02	1.38 E-05	1.30 E-03	1.25 E-06
568140	3.14 E+00	3.48 E-05	8.13 E-01	3.47 E-05	7.94 E-02	1.39 E-05	3.24 E-03	1.25 E-06
568141	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568142	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568143	1.01 E+01	3.51 E-05	2.45 E+00	3.50 E-05	1.56 E-01	1.39 E-05	7.55 E-03	1.26 E-06
568144	1.30 E+01	3.50 E-05	3.12 E+00	3.49 E-05	1.87 E-01	1.39 E-05	9.24 E-03	1.26 E-06
568145	1.58 E+01	3.49 E-05	3.76 E+00	3.48 E-05	2.16 E-01	1.39 E-05	1.09 E-02	1.25 E-06
568146	1.84 E+01	2.98 E-04	4.38 E+00	2.98 E-04	2.46 E-01	4.02 E-05	1.26 E-02	2.95 E-06
568147	2.07 E+01	3.52 E-05	4.93 E+00	3.50 E-05	2.72 E-01	1.39 E-05	1.40 E-02	1.26 E-06
568148	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568149	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568150	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568151	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568152	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568153	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568154	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568155	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
568156	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569128	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569129	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569130	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569131	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569132	1.16 E-01	4.00 E-05	1.16 E-01	4.00 E-05	6.01 E-02	1.72 E-05	1.73 E-03	1.39 E-06
569133	2.85 E+00	1.71 E-01	2.46 E+00	1.48 E-01	8.66 E-01	4.29 E-02	3.77 E-02	3.16 E-03

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
569134	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569135	5.60 E+01	1.46 E-03	5.58 E+01	1.36 E-03	4.13 E+01	5.29 E-04	1.26 E+00	2.75 E-05
569136	7.25 E+01	1.19 E-03	6.25 E+01	1.19 E-03	4.12 E+01	4.84 E-04	1.33 E+00	2.48 E-05
569137	1.83 E+01	3.98 E-05	9.59 E+00	3.98 E-05	2.58 E+00	1.60 E-05	1.38 E-01	1.36 E-06
569138	1.01 E+00	4.00 E-05	3.26 E-01	3.91 E-05	7.17 E-02	1.51 E-05	2.34 E-03	1.33 E-06
569139	2.17 E+00	3.92 E-05	6.08 E-01	3.83 E-05	7.91 E-02	1.48 E-05	3.21 E-03	1.32 E-06
569140	9.21 E-02	3.69 E-04	9.21 E-02	3.69 E-04	4.29 E-02	4.69 E-05	1.20 E-03	3.40 E-06
569141	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569142	8.81 E+00	3.66 E-05	2.15 E+00	3.62 E-05	1.48 E-01	1.42 E-05	7.04 E-03	1.28 E-06
569143	1.17 E+01	3.66 E-05	2.83 E+00	3.62 E-05	1.76 E-01	1.42 E-05	8.61 E-03	1.28 E-06
569144	1.47 E+01	3.57 E-05	3.52 E+00	3.54 E-05	2.07 E-01	1.40 E-05	1.03 E-02	1.27 E-06
569145	1.74 E+01	3.52 E-05	4.13 E+00	3.50 E-05	2.34 E-01	1.39 E-05	1.19 E-02	1.26 E-06
569146	2.26 E+01	8.34 E-03	7.02 E+00	8.34 E-03	5.88 E-01	1.06 E-03	6.04 E-02	6.77 E-05
569147	2.29 E+01	1.31 E-01	5.42 E+00	1.31 E-01	2.95 E-01	1.75 E-02	1.53 E-02	1.11 E-03
569148	2.45 E+01	3.54 E-05	5.80 E+00	3.52 E-05	3.13 E-01	1.40 E-05	1.63 E-02	1.26 E-06
569149	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569150	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569151	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569152	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569153	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569154	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569155	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
569156	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
570057	1.14 E-03	2.60 E-07	1.14 E-03	2.60 E-07	7.24 E-04	1.05 E-07	2.02 E-05	9.20 E-09
570067	1.14 E-03	2.60 E-07	1.14 E-03	2.60 E-07	7.24 E-04	1.05 E-07	2.02 E-05	9.20 E-09
570077	1.14 E-03	2.60 E-07	1.14 E-03	2.60 E-07	7.24 E-04	1.05 E-07	2.02 E-05	9.20 E-09
570087	1.14 E-03	2.60 E-07	1.14 E-03	2.60 E-07	7.24 E-04	1.05 E-07	2.02 E-05	9.20 E-09
570097	1.14 E-03	2.60 E-07	1.14 E-03	2.60 E-07	7.24 E-04	1.05 E-07	2.02 E-05	9.20 E-09
570107	1.14 E-03	2.60 E-07	1.14 E-03	2.60 E-07	7.24 E-04	1.05 E-07	2.02 E-05	9.20 E-09
570117	1.14 E-03	2.60 E-07	1.14 E-03	2.60 E-07	7.24 E-04	1.05 E-07	2.02 E-05	9.20 E-09
570128	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
570129	2.00 E+02	3.41 E-05	4.70 E+01	3.41 E-05	2.26 E+00	1.37 E-05	1.25 E-01	1.24 E-06
570130	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
570131	9.21 E-02	3.41 E-05	9.21 E-02	3.41 E-05	4.29 E-02	1.37 E-05	1.20 E-03	1.24 E-06
570132	1.04 E-01	3.71 E-05	1.04 E-01	3.71 E-05	5.17 E-02	1.55 E-05	1.47 E-03	1.32 E-06
570133	2.13 E+00	1.33 E-01	1.84 E+00	1.14 E-01	6.46 E-01	3.22 E-02	2.81 E-02	2.34 E-03

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
570134	7.31 E-01	4.62 E-02	6.41 E-01	3.91 E-02	2.32 E-01	1.04 E-02	9.61 E-03	7.38 E-04
570135	1.24 E+01	4.77 E-04	1.23 E+01	3.85 E-04	9.15 E+00	1.36 E-04	2.79 E-01	7.78 E-06
570136	3.06 E+01	6.53 E-04	2.52 E+01	5.77 E-04	1.60 E+01	2.13 E-04	5.23 E-01	1.17 E-05
570137	1.48 E+01	1.52 E-04	8.75 E+00	1.41 E-04	3.42 E+00	4.92 E-05	1.44 E-01	3.29 E-06
570138	5.17 E+00	9.45 E-05	2.61 E+00	8.52 E-05	8.08 E-01	2.80 E-05	3.71 E-02	2.19 E-06
570139	3.47 E+00	7.08 E-05	1.23 E+00	6.46 E-05	2.47 E-01	2.17 E-05	1.17 E-02	1.80 E-06
570140	9.21 E-02	3.45 E-05	9.21 E-02	3.45 E-05	4.29 E-02	1.38 E-05	1.20 E-03	1.25 E-06
570141	6.85 E+00	4.64 E-05	1.73 E+00	4.44 E-05	1.45 E-01	1.64 E-05	6.83 E-03	1.43 E-06
570142	9.33 E+00	2.46 E-03	2.31 E+00	2.06 E-03	1.70 E-01	5.35 E-04	8.07 E-03	3.80 E-05
570143	1.23 E+01	3.99 E-05	2.96 E+00	3.90 E-05	1.82 E-01	1.50 E-05	8.97 E-03	1.34 E-06
570144	1.53 E+01	3.75 E-05	3.66 E+00	3.70 E-05	2.13 E-01	1.44 E-05	1.07 E-02	1.30 E-06
570145	1.82 E+01	3.60 E-05	4.34 E+00	3.58 E-05	2.44 E-01	1.41 E-05	1.24 E-02	1.28 E-06
570146	2.10 E+01	3.59 E-05	4.98 E+00	3.57 E-05	2.74 E-01	1.41 E-05	1.41 E-02	1.28 E-06
570147	2.32 E+01	3.59 E-05	5.51 E+00	3.57 E-05	2.99 E-01	1.41 E-05	1.55 E-02	1.27 E-06
570148	2.51 E+01	3.59 E-05	5.94 E+00	3.57 E-05	3.20 E-01	1.41 E-05	1.67 E-02	1.28 E-06
570149	2.66 E+01	3.59 E-05	6.29 E+00	3.57 E-05	3.36 E-01	1.41 E-05	1.76 E-02	1.28 E-06
570150	9.21 E-02	3.45 E-05	9.21 E-02	3.45 E-05	4.29 E-02	1.38 E-05	1.20 E-03	1.25 E-06
570151	9.21 E-02	3.45 E-05	9.21 E-02	3.45 E-05	4.29 E-02	1.38 E-05	1.20 E-03	1.25 E-06
570152	9.21 E-02	3.45 E-05	9.21 E-02	3.45 E-05	4.29 E-02	1.38 E-05	1.20 E-03	1.25 E-06
570153	9.21 E-02	3.45 E-05	9.21 E-02	3.45 E-05	4.29 E-02	1.38 E-05	1.20 E-03	1.25 E-06
570154	9.21 E-02	3.45 E-05	9.21 E-02	3.45 E-05	4.29 E-02	1.38 E-05	1.20 E-03	1.25 E-06
570155	9.21 E-02	3.45 E-05	9.21 E-02	3.45 E-05	4.29 E-02	1.38 E-05	1.20 E-03	1.25 E-06
570156	9.21 E-02	3.45 E-05	9.21 E-02	3.45 E-05	4.29 E-02	1.38 E-05	1.20 E-03	1.25 E-06
570157	4.62 E-04	7.36 E-08	4.62 E-04	7.35 E-08	2.93 E-04	2.94 E-08	8.21 E-06	2.54 E-09
570167	4.62 E-04	7.33 E-08	4.62 E-04	7.32 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
570177	4.62 E-04	7.32 E-08	4.62 E-04	7.32 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
570187	4.62 E-04	7.32 E-08	4.62 E-04	7.32 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
570197	4.62 E-04	7.32 E-08	4.62 E-04	7.32 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
570207	4.62 E-04	7.31 E-08	4.62 E-04	7.31 E-08	2.93 E-04	2.93 E-08	8.21 E-06	2.54 E-09
571128	9.21 E-02	3.45 E-05	9.21 E-02	3.45 E-05	4.29 E-02	1.38 E-05	1.20 E-03	1.25 E-06
571129	2.18 E+03	3.45 E-05	5.10 E+02	3.45 E-05	2.41 E+01	1.38 E-05	1.35 E+00	1.25 E-06
571130	2.36 E+03	3.45 E-05	5.54 E+02	3.45 E-05	2.62 E+01	1.38 E-05	1.47 E+00	1.25 E-06
571131	9.21 E-02	3.45 E-05	9.21 E-02	3.45 E-05	4.29 E-02	1.38 E-05	1.20 E-03	1.25 E-06
571132	9.43 E-02	3.50 E-05	9.43 E-02	3.50 E-05	4.45 E-02	1.42 E-05	1.25 E-03	1.27 E-06
571133	1.10 E+00	7.07 E-02	9.57 E-01	6.01 E-02	3.40 E-01	1.61 E-02	1.45 E-02	1.15 E-03
571134	7.46 E-01	4.71 E-02	6.53 E-01	3.99 E-02	2.35 E-01	1.06 E-02	9.80 E-03	7.54 E-04

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
571135	2.73 E+00	1.05 E-02	2.70 E+00	8.91 E-03	1.93 E+00	2.30 E-03	5.94 E-02	1.62 E-04
571136	1.06 E+01	8.84 E-04	7.95 E+00	7.31 E-04	4.50 E+00	2.05 E-04	1.56 E-01	1.39 E-05
571137	9.21 E+00	5.23 E-04	5.70 E+00	4.47 E-04	2.47 E+00	1.26 E-04	9.75 E-02	8.78 E-06
571138	5.37 E+00	3.00 E-04	2.82 E+00	2.56 E-04	9.75 E-01	7.25 E-05	4.21 E-02	5.28 E-06
571139	4.14 E+00	1.62 E-04	1.61 E+00	1.41 E-04	3.85 E-01	4.14 E-05	1.78 E-02	3.18 E-06
571140	5.73 E+00	7.76 E-03	2.22 E+00	6.60 E-03	4.04 E-01	1.72 E-03	1.65 E-02	1.20 E-04
571141	7.57 E+00	9.24 E-03	2.57 E+00	7.75 E-03	3.67 E-01	2.00 E-03	1.43 E-02	1.41 E-04
571142	1.01 E+01	8.13 E-03	2.93 E+00	6.83 E-03	3.19 E-01	1.76 E-03	1.41 E-02	1.24 E-04
571143	1.23 E+01	4.14 E-03	3.05 E+00	3.48 E-03	2.14 E-01	8.98 E-04	1.03 E-02	6.36 E-05
571144	1.52 E+01	1.21 E-03	3.65 E+00	1.01 E-03	2.16 E-01	2.66 E-04	1.08 E-02	1.90 E-05
571145	1.80 E+01	3.19 E-04	4.32 E+00	2.73 E-04	2.49 E-01	7.51 E-05	1.27 E-02	5.58 E-06
571146	2.06 E+01	3.76 E-05	4.91 E+00	3.71 E-05	2.74 E-01	1.45 E-05	1.41 E-02	1.30 E-06
571147	2.27 E+01	3.70 E-05	5.40 E+00	3.66 E-05	2.97 E-01	1.43 E-05	1.54 E-02	1.29 E-06
571148	2.45 E+01	1.00 E+00	5.81 E+00	1.00 E+00	3.14 E-01	1.00 E+00	1.64 E-02	1.00 E+00
571149	2.58 E+01	1.00 E+00	6.11 E+00	1.00 E+00	3.28 E-01	1.00 E+00	1.71 E-02	1.00 E+00
571150	2.52 E+01	3.60 E-05	5.98 E+00	3.57 E-05	3.22 E-01	1.41 E-05	1.68 E-02	1.28 E-06
571151	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
571152	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
571153	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
571154	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
571155	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
571156	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
572128	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
572129	5.99 E+03	3.45 E-05	1.40 E+03	3.45 E-05	6.64 E+01	1.38 E-05	3.72 E+00	1.25 E-06
572130	6.99 E+03	3.45 E-05	1.64 E+03	3.45 E-05	7.75 E+01	1.38 E-05	4.33 E+00	1.25 E-06
572131	4.63 E+03	3.45 E-05	1.09 E+03	3.45 E-05	5.14 E+01	1.38 E-05	2.87 E+00	1.25 E-06
572132	9.26 E-02	3.46 E-05	9.26 E-02	3.46 E-05	4.32 E-02	1.39 E-05	1.21 E-03	1.26 E-06
572133	3.05 E-01	1.57 E-02	2.75 E-01	1.33 E-02	1.06 E-01	3.46 E-03	3.99 E-03	2.45 E-04
572134	4.51 E-01	2.64 E-02	4.01 E-01	2.24 E-02	1.49 E-01	5.89 E-03	5.93 E-03	4.15 E-04
572135	2.99 E-01	1.36 E-02	2.54 E-01	1.14 E-02	9.64 E-02	2.97 E-03	3.60 E-03	2.10 E-04
572136	3.36 E-01	2.95 E-03	3.02 E-01	2.47 E-03	1.79 E-01	6.37 E-04	5.52 E-03	4.52 E-05
572137	1.87 E+00	1.29 E-03	1.10 E+00	1.08 E-03	4.16 E-01	2.83 E-04	1.74 E-02	2.02 E-05
572138	2.65 E+00	5.72 E-04	1.24 E+00	4.84 E-04	3.75 E-01	1.29 E-04	1.66 E-02	9.40 E-06
572139	6.35 E+01	1.32 E-02	6.13 E+01	1.11 E-02	1.47 E+01	2.88 E-03	4.54 E-01	2.03 E-04
572140	2.68 E+01	1.95 E-02	2.24 E+01	1.64 E-02	5.23 E+00	4.29 E-03	1.77 E-01	3.02 E-04
572141	1.12 E+01	1.48 E-02	6.11 E+00	1.25 E-02	1.22 E+00	3.24 E-03	4.50 E-02	2.29 E-04

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Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
572142	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
572143	1.16 E+01	5.23 E-03	2.93 E+00	4.39 E-03	2.22 E-01	1.14 E-03	1.05 E-02	8.02 E-05
572144	1.40 E+01	2.18 E-03	3.40 E+00	1.83 E-03	2.12 E-01	4.75 E-04	1.05 E-02	3.38 E-05
572145	1.67 E+01	7.82 E-04	4.03 E+00	6.61 E-04	2.39 E-01	1.75 E-04	1.22 E-02	1.26 E-05
572146	1.90 E+01	2.45 E-04	4.57 E+00	2.11 E-04	2.67 E-01	5.92 E-05	1.37 E-02	4.46 E-06
572147	2.08 E+01	9.61 E-05	4.99 E+00	8.63 E-05	2.87 E-01	2.71 E-05	1.48 E-02	2.19 E-06
572148	2.24 E+01	3.90 E-05	5.35 E+00	3.83 E-05	2.98 E-01	1.48 E-05	1.55 E-02	1.32 E-06
572149	2.36 E+01	3.61 E-05	5.60 E+00	3.59 E-05	3.04 E-01	1.41 E-05	1.58 E-02	1.28 E-06
572150	2.34 E+01	1.60 E-03	5.55 E+00	1.60 E-03	3.02 E-01	1.76 E-04	1.56 E-02	1.14 E-05
572151	2.17 E+01	3.59 E-05	5.15 E+00	3.57 E-05	2.82 E-01	1.41 E-05	1.46 E-02	1.28 E-06
572152	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
572153	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
572154	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
572155	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
572156	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
573128	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
573129	9.32 E+03	3.45 E-05	2.18 E+03	3.45 E-05	1.03 E+02	1.38 E-05	5.78 E+00	1.25 E-06
573130	1.15 E+04	3.45 E-05	2.70 E+03	3.45 E-05	1.28 E+02	1.38 E-05	7.16 E+00	1.25 E-06
573131	8.99 E+03	3.45 E-05	2.11 E+03	3.45 E-05	9.96 E+01	1.38 E-05	5.57 E+00	1.25 E-06
573132	9.23 E-02	3.45 E-05	9.23 E-02	3.45 E-05	4.30 E-02	1.38 E-05	1.21 E-03	1.25 E-06
573133	1.23 E-01	2.31 E-03	1.18 E-01	1.95 E-03	5.20 E-02	5.05 E-04	1.61 E-03	3.59 E-05
573134	3.01 E+00	1.00 E+00	2.99 E+00	1.00 E+00	6.11 E-01	8.50 E-01	5.90 E-02	5.54 E-02
573135	2.37 E-01	9.30 E-03	2.03 E-01	7.81 E-03	7.92 E-02	2.01 E-03	2.82 E-03	1.43 E-04
573136	2.68 E-01	1.00 E+00	2.38 E-01	1.00 E+00	7.73 E-02	1.00 E+00	3.77 E-03	1.28 E-01
573137	1.20 E+01	1.00 E+00	1.17 E+01	1.00 E+00	2.32 E+00	1.00 E+00	2.49 E-01	1.54 E-01
573138	1.58 E+02	8.12 E-04	1.57 E+02	6.86 E-04	3.75 E+01	1.81 E-04	1.14 E+00	1.31 E-05
573139	3.27 E+01	6.94 E-03	3.12 E+01	5.83 E-03	7.42 E+00	1.50 E-03	2.28 E-01	1.06 E-04
573140	5.96 E+00	8.48 E-03	3.56 E+00	7.12 E-03	7.52 E-01	1.84 E-03	2.48 E-02	1.30 E-04
573141	5.31 E+00	5.38 E-03	1.56 E+00	4.53 E-03	1.83 E-01	1.17 E-03	7.26 E-03	8.26 E-05
573142	9.23 E-02	3.66 E-05	9.23 E-02	3.66 E-05	4.30 E-02	1.45 E-05	1.21 E-03	1.31 E-06
573143	9.57 E+00	2.79 E-03	2.42 E+00	2.35 E-03	1.86 E-01	6.09 E-04	9.03 E-03	4.33 E-05
573144	1.37 E+01	1.99 E-03	3.94 E+00	1.68 E-03	4.14 E-01	4.35 E-04	2.18 E-02	3.10 E-05
573145	1.45 E+01	1.03 E-03	3.58 E+00	8.68 E-04	2.44 E-01	2.28 E-04	1.24 E-02	1.64 E-05
573146	1.63 E+01	5.32 E-04	3.88 E+00	4.53 E-04	2.24 E-01	1.21 E-04	1.13 E-02	8.85 E-06
573147	1.81 E+01	1.70 E-04	4.32 E+00	1.48 E-04	2.44 E-01	4.33 E-05	1.25 E-02	3.34 E-06
573148	1.96 E+01	5.43 E-05	4.66 E+00	5.14 E-05	2.61 E-01	1.83 E-05	1.34 E-02	1.58 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
573149	2.07 E+01	3.86 E-05	4.94 E+00	3.83 E-05	2.74 E-01	1.49 E-05	1.41 E-02	1.34 E-06
573150	2.06 E+01	4.15 E-05	4.92 E+00	4.09 E-05	2.78 E-01	1.55 E-05	1.43 E-02	1.38 E-06
573151	1.91 E+01	2.43 E-03	4.58 E+00	2.43 E-03	2.58 E-01	2.83 E-04	1.35 E-02	1.83 E-05
573152	9.46 E-02	8.62 E-03	9.42 E-02	8.62 E-03	4.34 E-02	9.43 E-04	1.23 E-03	6.13 E-05
573153	9.26 E-02	3.66 E-05	9.26 E-02	3.66 E-05	4.30 E-02	1.46 E-05	1.21 E-03	1.31 E-06
573154	9.23 E-02	3.66 E-05	9.23 E-02	3.66 E-05	4.30 E-02	1.45 E-05	1.21 E-03	1.31 E-06
573155	9.23 E-02	3.66 E-05	9.23 E-02	3.66 E-05	4.30 E-02	1.45 E-05	1.21 E-03	1.31 E-06
573156	9.23 E-02	3.66 E-05	9.23 E-02	3.66 E-05	4.30 E-02	1.45 E-05	1.21 E-03	1.31 E-06
574128	9.23 E-02	3.66 E-05	9.23 E-02	3.66 E-05	4.30 E-02	1.45 E-05	1.21 E-03	1.31 E-06
574129	1.07 E+04	3.66 E-05	2.50 E+03	3.66 E-05	1.18 E+02	1.45 E-05	6.60 E+00	1.31 E-06
574130	1.42 E+04	3.66 E-05	3.33 E+03	3.66 E-05	1.57 E+02	1.45 E-05	8.81 E+00	1.31 E-06
574131	1.24 E+04	3.66 E-05	2.91 E+03	3.66 E-05	1.38 E+02	1.45 E-05	7.71 E+00	1.31 E-06
574132	7.60 E+03	3.66 E-05	1.78 E+03	3.66 E-05	8.43 E+01	1.46 E-05	4.71 E+00	1.31 E-06
574133	9.23 E-02	3.66 E-05	9.23 E-02	3.66 E-05	4.30 E-02	1.46 E-05	1.21 E-03	1.31 E-06
574134	1.16 E-01	1.84 E-03	1.13 E-01	1.55 E-03	5.02 E-02	4.03 E-04	1.53 E-03	2.87 E-05
574135	1.40 E-01	3.89 E-01	1.34 E-01	3.88 E-01	5.75 E-02	1.37 E-01	1.84 E-03	8.83 E-03
574136	9.12 E-01	1.00 E+00	6.41 E-01	1.00 E+00	2.30 E-01	6.51 E-01	1.30 E-02	4.21 E-02
574137	9.95 E-02	5.27 E-04	9.86 E-02	4.48 E-04	4.54 E-02	1.21 E-04	1.31 E-03	8.77 E-06
574138	9.52 E-02	1.99 E-04	9.49 E-02	1.73 E-04	4.41 E-02	4.97 E-05	1.25 E-03	3.78 E-06
574139	9.31 E-02	5.72 E-01	9.31 E-02	5.72 E-01	4.35 E-02	1.02 E-01	1.22 E-03	6.59 E-03
574140	2.24 E+00	5.47 E-05	5.96 E-01	5.19 E-05	6.74 E-02	1.84 E-05	2.55 E-03	1.59 E-06
574141	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
574142	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
574143	7.44 E+00	1.00 E-03	1.82 E+00	8.44 E-04	1.29 E-01	2.22 E-04	5.93 E-03	1.60 E-05
574144	9.58 E+00	1.07 E-03	2.38 E+00	9.02 E-04	1.69 E-01	2.36 E-04	8.17 E-03	1.70 E-05
574145	1.25 E+01	9.06 E-04	3.47 E+00	7.66 E-04	3.31 E-01	2.02 E-04	1.73 E-02	1.45 E-05
574146	1.33 E+01	5.24 E-04	3.19 E+00	4.45 E-04	1.94 E-01	1.19 E-04	9.59 E-03	8.72 E-06
574147	1.48 E+01	2.02 E-04	3.53 E+00	1.75 E-04	2.07 E-01	5.01 E-05	1.04 E-02	3.83 E-06
574148	1.61 E+01	9.07 E-05	3.85 E+00	8.21 E-05	2.22 E-01	2.62 E-05	1.12 E-02	2.14 E-06
574149	1.72 E+01	3.78 E-05	4.11 E+00	3.77 E-05	2.34 E-01	1.48 E-05	1.18 E-02	1.33 E-06
574150	1.74 E+01	4.18 E-05	4.17 E+00	4.10 E-05	2.45 E-01	1.56 E-05	1.25 E-02	1.39 E-06
574151	1.60 E+01	4.16 E-05	3.86 E+00	4.08 E-05	2.31 E-01	1.56 E-05	1.16 E-02	1.39 E-06
574152	1.19 E-01	7.69 E-03	1.14 E-01	7.69 E-03	4.86 E-02	8.01 E-04	1.50 E-03	5.23 E-05
574153	9.98 E-02	3.71 E-05	9.85 E-02	3.70 E-05	4.48 E-02	1.47 E-05	1.29 E-03	1.32 E-06
574154	9.34 E-02	3.66 E-05	9.33 E-02	3.66 E-05	4.36 E-02	1.46 E-05	1.22 E-03	1.31 E-06
574155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
574156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
575128	3.86 E+03	3.66 E-05	9.05 E+02	3.66 E-05	4.28 E+01	1.45 E-05	2.39 E+00	1.31 E-06
575129	1.03 E+04	3.66 E-05	2.42 E+03	3.66 E-05	1.14 E+02	1.45 E-05	6.40 E+00	1.31 E-06
575130	1.45 E+04	3.66 E-05	3.39 E+03	3.66 E-05	1.61 E+02	1.45 E-05	8.98 E+00	1.31 E-06
575131	1.40 E+04	3.66 E-05	3.29 E+03	3.66 E-05	1.56 E+02	1.45 E-05	8.70 E+00	1.31 E-06
575132	9.82 E+03	3.66 E-05	2.30 E+03	3.66 E-05	1.09 E+02	1.45 E-05	6.09 E+00	1.31 E-06
575133	5.15 E+03	3.66 E-05	1.21 E+03	3.66 E-05	5.71 E+01	1.46 E-05	3.19 E+00	1.31 E-06
575134	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.46 E-05	1.22 E-03	1.31 E-06
575135	1.75 E-01	1.00 E+00	1.75 E-01	1.00 E+00	1.04 E-01	4.53 E-01	3.95 E-03	2.95 E-02
575136	2.06 E-01	1.00 E+00	2.06 E-01	1.00 E+00	1.26 E-01	1.21 E-01	4.95 E-03	7.90 E-03
575137	9.39 E-02	2.60 E-03	9.38 E-02	2.59 E-03	4.37 E-02	1.46 E-03	1.23 E-03	9.46 E-05
575138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
575139	9.31 E-02	3.70 E-05	9.31 E-02	3.69 E-05	4.35 E-02	1.46 E-05	1.22 E-03	1.32 E-06
575140	9.31 E-02	3.93 E-05	9.31 E-02	3.89 E-05	4.35 E-02	1.51 E-05	1.22 E-03	1.36 E-06
575141	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
575142	9.31 E-02	3.73 E-05	9.31 E-02	3.72 E-05	4.35 E-02	1.47 E-05	1.22 E-03	1.33 E-06
575143	9.66 E-02	2.58 E-04	9.58 E-02	2.22 E-04	4.44 E-02	6.22 E-05	1.26 E-03	4.67 E-06
575144	1.18 E-01	4.13 E-04	1.06 E-01	3.53 E-04	4.65 E-02	9.58 E-05	1.37 E-03	7.05 E-06
575145	8.80 E+00	5.65 E-04	2.18 E+00	4.80 E-04	1.58 E-01	1.29 E-04	7.63 E-03	9.35 E-06
575146	1.01 E+01	4.12 E-04	2.45 E+00	3.52 E-04	1.59 E-01	9.56 E-05	7.67 E-03	7.03 E-06
575147	1.15 E+01	1.97 E-04	2.76 E+00	1.71 E-04	1.70 E-01	4.91 E-05	8.30 E-03	3.75 E-06
575148	1.25 E+01	1.18 E-04	2.99 E+00	1.05 E-04	1.81 E-01	3.21 E-05	8.91 E-03	2.55 E-06
575149	1.34 E+01	9.52 E-05	3.21 E+00	8.59 E-05	1.92 E-01	2.72 E-05	9.49 E-03	2.21 E-06
575150	1.38 E+01	3.86 E-05	3.31 E+00	3.83 E-05	1.98 E-01	1.49 E-05	9.85 E-03	1.34 E-06
575151	2.55 E+01	4.04 E-05	6.07 E+00	3.98 E-05	3.33 E-01	1.53 E-05	1.74 E-02	1.37 E-06
575152	1.44 E-01	4.04 E-05	1.34 E-01	3.98 E-05	5.36 E-02	1.54 E-05	1.78 E-03	1.37 E-06
575153	1.10 E-01	3.78 E-05	1.06 E-01	3.76 E-05	4.68 E-02	1.48 E-05	1.40 E-03	1.33 E-06
575154	9.38 E-02	3.66 E-05	9.37 E-02	3.66 E-05	4.36 E-02	1.46 E-05	1.23 E-03	1.31 E-06
575155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
575156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
576126	9.99 E+02	3.20 E-15	2.34 E+02	3.20 E-15	1.11 E+01	1.90 E-15	6.19 E-01	8.09 E-17
576127	2.50 E+03	5.88 E-14	5.85 E+02	5.88 E-14	2.77 E+01	3.49 E-14	1.55 E+00	1.48 E-15
576128	5.33 E+03	3.66 E-05	1.25 E+03	3.66 E-05	5.90 E+01	1.45 E-05	3.30 E+00	1.31 E-06
576129	8.88 E+03	3.66 E-05	2.08 E+03	3.66 E-05	9.84 E+01	1.45 E-05	5.50 E+00	1.31 E-06
576130	1.31 E+04	3.66 E-05	3.07 E+03	3.66 E-05	1.45 E+02	1.45 E-05	8.12 E+00	1.31 E-06
576131	1.39 E+04	3.66 E-05	3.26 E+03	3.66 E-05	1.54 E+02	1.45 E-05	8.63 E+00	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
576132	1.06 E+04	3.66 E-05	2.48 E+03	3.66 E-05	1.17 E+02	1.45 E-05	6.57 E+00	1.31 E-06
576133	5.72 E+03	3.66 E-05	1.34 E+03	3.66 E-05	6.33 E+01	1.46 E-05	3.54 E+00	1.31 E-06
576134	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.46 E-05	1.22 E-03	1.31 E-06
576135	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
576136	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
576137	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
576138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
576139	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
576140	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
576141	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
576142	9.31 E-02	3.69 E-05	9.31 E-02	3.69 E-05	4.35 E-02	1.46 E-05	1.22 E-03	1.32 E-06
576143	9.42 E-02	9.39 E-05	9.38 E-02	8.47 E-05	4.37 E-02	2.69 E-05	1.23 E-03	2.19 E-06
576144	9.79 E-02	1.82 E-04	9.59 E-02	1.58 E-04	4.42 E-02	4.58 E-05	1.26 E-03	3.52 E-06
576145	1.43 E-01	2.92 E-04	1.15 E-01	2.51 E-04	4.77 E-02	6.95 E-05	1.44 E-03	5.20 E-06
576146	1.64 E-01	3.25 E-04	1.25 E-01	2.79 E-04	4.96 E-02	7.67 E-05	1.55 E-03	5.70 E-06
576147	2.23 E-01	1.94 E-04	1.77 E-01	1.68 E-04	6.22 E-02	4.85 E-05	2.26 E-03	3.71 E-06
576148	9.73 E-02	1.47 E-04	9.55 E-02	1.29 E-04	4.41 E-02	3.84 E-05	1.25 E-03	2.99 E-06
576149	9.56 E-02	1.25 E-04	9.44 E-02	1.11 E-04	4.39 E-02	3.37 E-05	1.24 E-03	2.67 E-06
576150	1.04 E+01	1.20 E-04	2.51 E+00	1.06 E-04	1.58 E-01	3.25 E-05	7.64 E-03	2.58 E-06
576151	9.95 E-02	3.80 E-05	9.82 E-02	3.78 E-05	4.48 E-02	1.48 E-05	1.29 E-03	1.34 E-06
576152	1.30 E-01	3.94 E-05	1.23 E-01	3.89 E-05	5.09 E-02	1.51 E-05	1.63 E-03	1.36 E-06
576153	1.04 E-01	3.74 E-05	1.02 E-01	3.73 E-05	4.56 E-02	1.47 E-05	1.34 E-03	1.33 E-06
576154	9.36 E-02	3.66 E-05	9.35 E-02	3.66 E-05	4.36 E-02	1.46 E-05	1.23 E-03	1.31 E-06
576155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
576156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577123	3.46 E+02	0.00 E+00	8.10 E+01	0.00 E+00	3.83 E+00	0.00 E+00	2.14 E-01	0.00 E+00
577124	6.22 E+02	0.00 E+00	1.46 E+02	0.00 E+00	6.89 E+00	0.00 E+00	3.85 E-01	0.00 E+00
577125	1.09 E+03	9.33 E-16	2.56 E+02	9.33 E-16	1.21 E+01	5.54 E-16	6.78 E-01	2.36 E-17
577126	1.83 E+03	1.59 E-14	4.29 E+02	1.59 E-14	2.03 E+01	9.44 E-15	1.14 E+00	4.02 E-16
577127	3.32 E+03	1.92 E-13	7.77 E+02	1.92 E-13	3.68 E+01	1.14 E-13	2.06 E+00	4.86 E-15
577128	6.27 E+03	3.66 E-05	1.47 E+03	3.66 E-05	6.95 E+01	1.45 E-05	3.89 E+00	1.31 E-06
577129	8.88 E+03	3.66 E-05	2.08 E+03	3.66 E-05	9.84 E+01	1.45 E-05	5.50 E+00	1.31 E-06
577130	1.22 E+04	3.66 E-05	2.85 E+03	3.66 E-05	1.35 E+02	1.45 E-05	7.53 E+00	1.31 E-06
577131	1.16 E+04	3.66 E-05	2.72 E+03	3.66 E-05	1.29 E+02	1.45 E-05	7.19 E+00	1.31 E-06
577132	8.55 E+03	3.66 E-05	2.00 E+03	3.66 E-05	9.47 E+01	1.45 E-05	5.30 E+00	1.31 E-06
577133	4.56 E+03	3.66 E-05	1.07 E+03	3.66 E-05	5.05 E+01	1.45 E-05	2.82 E+00	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
577134	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577135	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577136	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577137	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577139	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577140	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577141	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577142	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577143	9.41 E-02	7.47 E-05	9.36 E-02	6.86 E-05	4.37 E-02	2.28 E-05	1.23 E-03	1.90 E-06
577144	9.52 E-02	1.16 E-04	9.43 E-02	1.04 E-04	4.38 E-02	3.18 E-05	1.24 E-03	2.53 E-06
577145	1.42 E-01	1.75 E-04	1.23 E-01	1.53 E-04	5.00 E-02	4.44 E-05	1.58 E-03	3.42 E-06
577146	8.98 E-01	2.22 E-04	6.07 E-01	1.93 E-04	1.58 E-01	5.48 E-05	7.59 E-03	4.15 E-06
577147	6.65 E-01	2.11 E-04	4.63 E-01	1.83 E-04	1.26 E-01	5.22 E-05	5.83 E-03	3.97 E-06
577148	1.26 E-01	1.75 E-04	1.13 E-01	1.53 E-04	4.81 E-02	4.45 E-05	1.47 E-03	3.42 E-06
577149	9.67 E-02	1.53 E-04	9.50 E-02	1.35 E-04	4.40 E-02	3.98 E-05	1.24 E-03	3.10 E-06
577150	9.57 E-02	1.29 E-04	9.45 E-02	1.14 E-04	4.39 E-02	3.45 E-05	1.24 E-03	2.72 E-06
577151	9.93 E-02	1.08 E-04	9.75 E-02	9.65 E-05	4.46 E-02	3.00 E-05	1.28 E-03	2.40 E-06
577152	1.36 E-01	2.87 E-03	1.32 E-01	2.87 E-03	4.95 E-02	3.42 E-04	1.90 E-03	2.20 E-05
577153	9.70 E-02	3.69 E-05	9.62 E-02	3.68 E-05	4.43 E-02	1.46 E-05	1.26 E-03	1.32 E-06
577154	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
577156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
578122	3.57 E+02	9.56 E-19	8.37 E+01	9.56 E-19	3.96 E+00	5.68 E-19	2.22 E-01	2.42 E-20
578123	6.22 E+02	1.66 E-17	1.46 E+02	1.66 E-17	6.89 E+00	9.87 E-18	3.85 E-01	4.20 E-19
578124	1.06 E+03	2.88 E-16	2.48 E+02	2.88 E-16	1.17 E+01	1.71 E-16	6.57 E-01	7.27 E-18
578125	1.73 E+03	4.38 E-15	4.04 E+02	4.38 E-15	1.91 E+01	2.60 E-15	1.07 E+00	1.11 E-16
578126	2.56 E+03	4.76 E-14	5.99 E+02	4.76 E-14	2.84 E+01	2.83 E-14	1.59 E+00	1.20 E-15
578127	4.28 E+03	4.49 E-13	1.00 E+03	4.49 E-13	4.75 E+01	2.67 E-13	2.66 E+00	1.13 E-14
578128	6.60 E+03	3.66 E-05	1.55 E+03	3.66 E-05	7.32 E+01	1.45 E-05	4.09 E+00	1.31 E-06
578129	9.27 E+03	3.66 E-05	2.17 E+03	3.66 E-05	1.03 E+02	1.45 E-05	5.74 E+00	1.31 E-06
578130	9.82 E+03	3.66 E-05	2.30 E+03	3.66 E-05	1.09 E+02	1.45 E-05	6.09 E+00	1.31 E-06
578131	8.27 E+03	3.66 E-05	1.94 E+03	3.66 E-05	9.16 E+01	1.45 E-05	5.13 E+00	1.31 E-06
578132	5.72 E+03	3.66 E-05	1.34 E+03	3.66 E-05	6.33 E+01	1.45 E-05	3.54 E+00	1.31 E-06
578133	3.26 E+03	3.66 E-05	7.63 E+02	3.66 E-05	3.61 E+01	1.45 E-05	2.02 E+00	1.31 E-06
578134	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
578135	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
578136	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
578137	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
578138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
578139	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
578140	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
578141	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
578142	9.31 E-02	3.67 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.46 E-05	1.22 E-03	1.31 E-06
578143	9.43 E-02	7.58 E-05	9.37 E-02	6.96 E-05	4.37 E-02	2.30 E-05	1.23 E-03	1.91 E-06
578144	9.51 E-02	1.08 E-04	9.42 E-02	9.69 E-05	4.38 E-02	3.01 E-05	1.23 E-03	2.40 E-06
578145	1.04 E-01	1.47 E-04	9.95 E-02	1.29 E-04	4.50 E-02	3.83 E-05	1.30 E-03	2.99 E-06
578146	4.47 E-01	1.91 E-04	3.20 E-01	1.66 E-04	9.44 E-02	4.78 E-05	4.05 E-03	3.66 E-06
578147	1.02 E+00	2.21 E-04	6.89 E-01	1.91 E-04	1.77 E-01	5.45 E-05	8.64 E-03	4.13 E-06
578148	2.67 E-01	1.89 E-04	2.04 E-01	1.65 E-04	6.83 E-02	4.76 E-05	2.60 E-03	3.65 E-06
578149	9.85 E-02	1.59 E-04	9.61 E-02	1.39 E-04	4.43 E-02	4.11 E-05	1.26 E-03	3.19 E-06
578150	9.59 E-02	1.33 E-04	9.46 E-02	1.17 E-04	4.39 E-02	3.54 E-05	1.24 E-03	2.78 E-06
578151	9.62 E-02	1.11 E-04	9.50 E-02	9.91 E-05	4.40 E-02	3.06 E-05	1.25 E-03	2.44 E-06
578152	9.93 E-02	4.15 E-03	9.81 E-02	4.15 E-03	4.47 E-02	5.19 E-04	1.29 E-03	3.35 E-05
578153	9.41 E-02	3.67 E-05	9.39 E-02	3.67 E-05	4.37 E-02	1.46 E-05	1.23 E-03	1.31 E-06
578154	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
578155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
578156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579121	3.33 E+02	4.80 E-19	7.80 E+01	4.80 E-19	3.69 E+00	2.85 E-19	2.06 E-01	1.21 E-20
579122	5.77 E+02	7.03 E-18	1.35 E+02	7.03 E-18	6.40 E+00	4.17 E-18	3.58 E-01	1.78 E-19
579123	9.44 E+02	1.04 E-16	2.21 E+02	1.04 E-16	1.05 E+01	6.18 E-17	5.85 E-01	2.63 E-18
579124	1.50 E+03	1.19 E-15	3.51 E+02	1.19 E-15	1.66 E+01	7.05 E-16	9.29 E-01	3.00 E-17
579125	2.35 E+03	1.09 E-14	5.51 E+02	1.09 E-14	2.61 E+01	6.50 E-15	1.46 E+00	2.76 E-16
579126	3.19 E+03	3.63 E-09	7.48 E+02	3.06 E-09	3.54 E+01	7.85 E-10	1.98 E+00	5.56 E-11
579127	4.98 E+03	1.56 E-09	1.17 E+03	1.31 E-09	5.52 E+01	3.36 E-10	3.09 E+00	2.37 E-11
579128	6.88 E+03	3.66 E-05	1.61 E+03	3.66 E-05	7.63 E+01	1.45 E-05	4.27 E+00	1.31 E-06
579129	8.32 E+03	3.66 E-05	1.95 E+03	3.66 E-05	9.22 E+01	1.45 E-05	5.16 E+00	1.31 E-06
579130	8.44 E+03	8.50 E-05	1.98 E+03	8.50 E-05	9.35 E+01	3.88 E-05	5.23 E+00	2.41 E-06
579131	6.88 E+03	3.66 E-05	1.61 E+03	3.66 E-05	7.63 E+01	1.45 E-05	4.27 E+00	1.31 E-06
579132	4.52 E+03	3.66 E-05	1.06 E+03	3.66 E-05	5.01 E+01	1.45 E-05	2.80 E+00	1.31 E-06
579133	2.24 E+03	3.66 E-05	5.24 E+02	3.66 E-05	2.48 E+01	1.45 E-05	1.39 E+00	1.31 E-06
579134	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
579135	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579136	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579137	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579139	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579140	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579141	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579142	9.60 E-02	1.45 E-04	9.47 E-02	1.28 E-04	4.39 E-02	3.79 E-05	1.24 E-03	2.96 E-06
579143	9.68 E-02	1.70 E-04	9.50 E-02	1.49 E-04	4.40 E-02	4.35 E-05	1.25 E-03	3.35 E-06
579144	9.53 E-02	1.12 E-04	9.42 E-02	9.97 E-05	4.38 E-02	3.09 E-05	1.24 E-03	2.46 E-06
579145	9.74 E-02	1.49 E-04	9.55 E-02	1.31 E-04	4.41 E-02	3.89 E-05	1.25 E-03	3.04 E-06
579146	3.12 E-01	2.04 E-04	2.34 E-01	1.78 E-04	7.51 E-02	5.10 E-05	2.98 E-03	3.88 E-06
579147	7.19 E-01	2.18 E-04	4.98 E-01	1.89 E-04	1.34 E-01	5.39 E-05	6.27 E-03	4.09 E-06
579148	1.90 E-01	1.91 E-04	1.55 E-01	1.67 E-04	5.75 E-02	4.81 E-05	1.99 E-03	3.68 E-06
579149	9.76 E-02	1.59 E-04	9.56 E-02	1.39 E-04	4.41 E-02	4.10 E-05	1.25 E-03	3.18 E-06
579150	9.58 E-02	1.32 E-04	9.45 E-02	1.17 E-04	4.39 E-02	3.53 E-05	1.24 E-03	2.77 E-06
579151	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579152	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579153	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579154	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
579156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580057	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
580067	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
580077	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
580087	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
580097	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
580107	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
580120	3.05 E+02	2.78 E-19	7.15 E+01	2.78 E-19	3.38 E+00	1.65 E-19	1.89 E-01	7.03 E-21
580121	5.02 E+02	2.58 E-18	1.18 E+02	2.58 E-18	5.57 E+00	1.53 E-18	3.11 E-01	6.51 E-20
580122	7.94 E+02	2.60 E-17	1.86 E+02	2.60 E-17	8.79 E+00	1.55 E-17	4.92 E-01	6.58 E-19
580123	1.23 E+03	3.37 E-16	2.87 E+02	3.37 E-16	1.36 E+01	2.00 E-16	7.60 E-01	8.51 E-18
580124	1.87 E+03	3.15 E-08	4.38 E+02	2.73 E-08	2.07 E+01	6.57 E-09	1.16 E+00	4.76 E-10
580125	2.68 E+03	1.60 E-08	6.27 E+02	1.34 E-08	2.96 E+01	3.45 E-09	1.66 E+00	2.44 E-10
580126	3.53 E+03	8.76 E-09	8.27 E+02	7.38 E-09	3.91 E+01	1.90 E-09	2.19 E+00	1.34 E-10
580127	5.16 E+03	4.43 E-09	1.21 E+03	3.72 E-09	5.71 E+01	9.56 E-10	3.20 E+00	6.76 E-11

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Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
580128	6.33 E+03	3.66 E-05	1.48 E+03	3.66 E-05	7.01 E+01	1.45 E-05	3.92 E+00	1.31 E-06
580129	6.94 E+03	3.66 E-05	1.62 E+03	3.66 E-05	7.69 E+01	1.45 E-05	4.30 E+00	1.31 E-06
580130	6.72 E+03	3.66 E-05	1.57 E+03	3.66 E-05	7.44 E+01	1.45 E-05	4.16 E+00	1.31 E-06
580131	5.27 E+03	3.66 E-05	1.23 E+03	3.66 E-05	5.84 E+01	1.46 E-05	3.26 E+00	1.31 E-06
580132	3.13 E+03	3.66 E-05	7.33 E+02	3.66 E-05	3.47 E+01	1.45 E-05	1.94 E+00	1.31 E-06
580133	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580134	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580135	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580136	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580137	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580139	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580140	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580141	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580142	9.68 E-02	1.77 E-04	9.51 E-02	1.55 E-04	4.41 E-02	4.50 E-05	1.25 E-03	3.45 E-06
580143	9.77 E-02	2.06 E-04	9.56 E-02	1.79 E-04	4.42 E-02	5.12 E-05	1.25 E-03	3.89 E-06
580144	9.69 E-02	1.71 E-04	9.51 E-02	1.50 E-04	4.41 E-02	4.37 E-05	1.25 E-03	3.36 E-06
580145	1.01 E-01	1.91 E-04	9.77 E-02	1.67 E-04	4.47 E-02	4.81 E-05	1.28 E-03	3.68 E-06
580146	2.00 E-01	2.15 E-04	1.62 E-01	1.87 E-04	5.90 E-02	5.28 E-05	2.07 E-03	4.02 E-06
580147	2.77 E-01	4.37 E-03	2.20 E-01	4.35 E-03	6.90 E-02	5.16 E-04	2.97 E-03	3.38 E-05
580148	1.10 E-01	1.86 E-04	1.04 E-01	1.62 E-04	4.60 E-02	4.69 E-05	1.35 E-03	3.60 E-06
580149	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580150	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580151	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580152	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580153	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580154	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
580157	1.15 E-03	2.60 E-07	1.15 E-03	2.60 E-07	7.30 E-04	1.05 E-07	2.04 E-05	9.21 E-09
580167	1.15 E-03	2.60 E-07	1.15 E-03	2.60 E-07	7.30 E-04	1.05 E-07	2.04 E-05	9.20 E-09
580177	1.15 E-03	2.60 E-07	1.15 E-03	2.60 E-07	7.30 E-04	1.05 E-07	2.04 E-05	9.20 E-09
580187	1.15 E-03	2.60 E-07	1.15 E-03	2.60 E-07	7.30 E-04	1.05 E-07	2.04 E-05	9.20 E-09
580197	1.14 E-03	2.60 E-07	1.14 E-03	2.60 E-07	7.24 E-04	1.05 E-07	2.02 E-05	9.20 E-09
580207	1.14 E-03	2.60 E-07	1.14 E-03	2.60 E-07	7.24 E-04	1.05 E-07	2.02 E-05	9.20 E-09
581118	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
581119	2.61 E+02	3.66 E-05	6.12 E+01	3.66 E-05	2.93 E+00	1.45 E-05	1.63 E-01	1.31 E-06
581120	4.12 E+02	3.66 E-05	9.67 E+01	3.66 E-05	4.61 E+00	1.45 E-05	2.57 E-01	1.31 E-06
581121	6.38 E+02	3.66 E-05	1.50 E+02	3.66 E-05	7.11 E+00	1.45 E-05	3.97 E-01	1.31 E-06
581122	9.88 E+02	3.66 E-05	2.31 E+02	3.66 E-05	1.09 E+01	1.45 E-05	6.13 E-01	1.31 E-06
581123	1.43 E+03	3.67 E-05	3.35 E+02	3.67 E-05	1.59 E+01	1.46 E-05	8.89 E-01	1.32 E-06
581124	1.99 E+03	3.67 E-05	4.67 E+02	3.66 E-05	2.21 E+01	1.46 E-05	1.23 E+00	1.31 E-06
581125	2.66 E+03	3.66 E-05	6.24 E+02	3.66 E-05	2.95 E+01	1.46 E-05	1.65 E+00	1.31 E-06
581126	3.44 E+03	3.66 E-05	8.06 E+02	3.66 E-05	3.81 E+01	1.46 E-05	2.13 E+00	1.31 E-06
581127	4.11 E+03	3.66 E-05	9.63 E+02	3.66 E-05	4.56 E+01	1.46 E-05	2.55 E+00	1.31 E-06
581128	4.61 E+03	3.66 E-05	1.08 E+03	3.66 E-05	5.10 E+01	1.46 E-05	2.86 E+00	1.31 E-06
581129	4.64 E+03	3.66 E-05	1.09 E+03	3.66 E-05	5.14 E+01	1.45 E-05	2.88 E+00	1.31 E-06
581130	4.34 E+03	3.66 E-05	1.02 E+03	3.66 E-05	4.81 E+01	1.45 E-05	2.69 E+00	1.31 E-06
581131	3.38 E+03	3.66 E-05	7.92 E+02	3.66 E-05	3.75 E+01	1.45 E-05	2.09 E+00	1.31 E-06
581132	2.01 E+03	3.66 E-05	4.72 E+02	3.66 E-05	2.23 E+01	1.45 E-05	1.25 E+00	1.31 E-06
581133	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581134	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581135	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581136	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581137	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581139	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581140	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581141	9.66 E-02	1.74 E-04	9.50 E-02	1.52 E-04	4.41 E-02	4.41 E-05	1.25 E-03	3.40 E-06
581142	9.77 E-02	2.11 E-04	9.56 E-02	1.83 E-04	4.42 E-02	5.23 E-05	1.25 E-03	3.97 E-06
581143	9.85 E-02	2.39 E-04	9.61 E-02	2.07 E-04	4.43 E-02	5.83 E-05	1.26 E-03	4.39 E-06
581144	9.92 E-02	2.63 E-04	9.64 E-02	2.28 E-04	4.44 E-02	6.36 E-05	1.26 E-03	4.77 E-06
581145	9.90 E-02	2.00 E-04	9.63 E-02	1.74 E-04	4.44 E-02	4.99 E-05	1.26 E-03	3.81 E-06
581146	1.33 E-01	2.16 E-04	1.19 E-01	1.88 E-04	4.93 E-02	5.35 E-05	1.54 E-03	4.06 E-06
581147	1.15 E-01	2.25 E-03	1.07 E-01	2.23 E-03	4.67 E-02	5.12 E-04	1.39 E-03	3.35 E-05
581148	9.82 E-02	1.86 E-04	9.59 E-02	1.63 E-04	4.42 E-02	4.70 E-05	1.26 E-03	3.60 E-06
581149	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581150	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581151	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581152	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581153	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581154	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
581155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
581156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582118	2.13 E+02	3.66 E-05	4.99 E+01	3.66 E-05	2.40 E+00	1.45 E-05	1.33 E-01	1.31 E-06
582119	3.29 E+02	3.66 E-05	7.71 E+01	3.66 E-05	3.68 E+00	1.45 E-05	2.05 E-01	1.31 E-06
582120	4.96 E+02	3.66 E-05	1.16 E+02	3.66 E-05	5.53 E+00	1.45 E-05	3.08 E-01	1.31 E-06
582121	7.44 E+02	3.66 E-05	1.74 E+02	3.66 E-05	8.28 E+00	1.45 E-05	4.62 E-01	1.31 E-06
582122	1.06 E+03	3.67 E-05	2.48 E+02	3.67 E-05	1.17 E+01	1.46 E-05	6.58 E-01	1.32 E-06
582123	1.44 E+03	3.67 E-05	3.37 E+02	3.67 E-05	1.59 E+01	1.46 E-05	8.92 E-01	1.32 E-06
582124	1.93 E+03	3.67 E-05	4.51 E+02	3.67 E-05	2.13 E+01	1.46 E-05	1.19 E+00	1.32 E-06
582125	2.38 E+03	3.67 E-05	5.58 E+02	3.66 E-05	2.64 E+01	1.46 E-05	1.48 E+00	1.31 E-06
582126	2.78 E+03	3.66 E-05	6.51 E+02	3.66 E-05	3.08 E+01	1.46 E-05	1.72 E+00	1.31 E-06
582127	3.04 E+03	3.66 E-05	7.12 E+02	3.66 E-05	3.37 E+01	1.46 E-05	1.89 E+00	1.31 E-06
582128	3.14 E+03	3.66 E-05	7.34 E+02	3.66 E-05	3.47 E+01	1.46 E-05	1.94 E+00	1.31 E-06
582129	2.86 E+03	3.66 E-05	6.70 E+02	3.66 E-05	3.17 E+01	1.46 E-05	1.77 E+00	1.31 E-06
582130	2.32 E+03	3.66 E-05	5.43 E+02	3.66 E-05	2.57 E+01	1.45 E-05	1.44 E+00	1.31 E-06
582131	1.69 E+03	3.66 E-05	3.96 E+02	3.66 E-05	1.88 E+01	1.45 E-05	1.05 E+00	1.31 E-06
582132	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582133	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582134	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582135	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582136	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582137	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582139	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582140	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582141	9.67 E-02	1.77 E-04	9.51 E-02	1.55 E-04	4.41 E-02	4.49 E-05	1.25 E-03	3.45 E-06
582142	9.78 E-02	2.15 E-04	9.57 E-02	1.87 E-04	4.42 E-02	5.32 E-05	1.25 E-03	4.03 E-06
582143	9.90 E-02	2.51 E-04	9.63 E-02	2.18 E-04	4.44 E-02	6.11 E-05	1.26 E-03	4.59 E-06
582144	1.14 E-01	2.83 E-04	1.06 E-01	2.44 E-04	4.66 E-02	6.79 E-05	1.38 E-03	5.06 E-06
582145	3.48 E-01	3.04 E-04	2.60 E-01	2.62 E-04	8.12 E-02	7.24 E-05	3.31 E-03	5.39 E-06
582146	7.57 E-01	3.11 E-04	5.29 E-01	2.68 E-04	1.42 E-01	7.42 E-05	6.69 E-03	5.51 E-06
582147	6.29 E-01	5.60 E-04	4.45 E-01	4.78 E-04	1.23 E-01	1.28 E-04	5.63 E-03	9.32 E-06
582148	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582149	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582150	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582151	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
582152	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582153	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582154	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
582156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583116	1.08 E+02	0.00 E+00	2.54 E+01	0.00 E+00	1.20 E+00	0.00 E+00	6.71 E-02	0.00 E+00
583117	1.67 E+02	0.00 E+00	3.90 E+01	0.00 E+00	1.85 E+00	0.00 E+00	1.03 E-01	0.00 E+00
583118	2.53 E+02	3.66 E-05	5.94 E+01	3.66 E-05	2.84 E+00	1.45 E-05	1.58 E-01	1.31 E-06
583119	3.73 E+02	3.66 E-05	8.75 E+01	3.66 E-05	4.17 E+00	1.45 E-05	2.32 E-01	1.31 E-06
583120	5.48 E+02	3.66 E-05	1.28 E+02	3.66 E-05	6.11 E+00	1.45 E-05	3.41 E-01	1.31 E-06
583121	7.60 E+02	3.66 E-05	1.78 E+02	3.66 E-05	8.47 E+00	1.45 E-05	4.72 E-01	1.31 E-06
583122	1.01 E+03	3.67 E-05	2.37 E+02	3.67 E-05	1.12 E+01	1.46 E-05	6.27 E-01	1.32 E-06
583123	1.32 E+03	3.67 E-05	3.09 E+02	3.67 E-05	1.46 E+01	1.46 E-05	8.20 E-01	1.32 E-06
583124	1.62 E+03	3.67 E-05	3.78 E+02	3.67 E-05	1.79 E+01	1.46 E-05	1.00 E+00	1.32 E-06
583125	1.85 E+03	3.67 E-05	4.34 E+02	3.67 E-05	2.05 E+01	1.46 E-05	1.15 E+00	1.32 E-06
583126	2.01 E+03	3.67 E-05	4.71 E+02	3.66 E-05	2.23 E+01	1.46 E-05	1.25 E+00	1.31 E-06
583127	2.06 E+03	3.66 E-05	4.84 E+02	3.66 E-05	2.29 E+01	1.46 E-05	1.28 E+00	1.31 E-06
583128	1.90 E+03	3.66 E-05	4.45 E+02	3.66 E-05	2.10 E+01	1.46 E-05	1.18 E+00	1.31 E-06
583129	1.59 E+03	3.66 E-05	3.72 E+02	3.66 E-05	1.76 E+01	1.46 E-05	9.85 E-01	1.31 E-06
583130	1.18 E+03	3.66 E-05	2.77 E+02	3.66 E-05	1.31 E+01	1.46 E-05	7.34 E-01	1.31 E-06
583131	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583132	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583133	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583134	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583135	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583136	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583137	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583139	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583140	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583141	9.66 E-02	1.74 E-04	9.50 E-02	1.52 E-04	4.41 E-02	4.41 E-05	1.25 E-03	3.40 E-06
583142	9.77 E-02	2.11 E-04	9.56 E-02	1.83 E-04	4.42 E-02	5.23 E-05	1.25 E-03	3.97 E-06
583143	9.87 E-02	2.45 E-04	9.62 E-02	2.13 E-04	4.44 E-02	5.98 E-05	1.26 E-03	4.50 E-06
583144	1.08 E-01	2.77 E-04	1.02 E-01	2.38 E-04	4.57 E-02	6.66 E-05	1.33 E-03	4.98 E-06
583145	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583146	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
583147	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583148	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583149	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583150	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583151	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583152	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583153	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583154	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
583156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
584113	4.10 E+01	0.00 E+00	9.59 E+00	0.00 E+00	4.54 E-01	0.00 E+00	2.54 E-02	0.00 E+00
584114	6.99 E+01	0.00 E+00	1.64 E+01	0.00 E+00	7.75 E-01	0.00 E+00	4.33 E-02	0.00 E+00
584115	1.07 E+02	0.00 E+00	2.50 E+01	0.00 E+00	1.18 E+00	0.00 E+00	6.60 E-02	0.00 E+00
584116	1.44 E+02	0.00 E+00	3.38 E+01	0.00 E+00	1.60 E+00	0.00 E+00	8.94 E-02	0.00 E+00
584117	1.89 E+02	1.89 E-21	4.43 E+01	1.89 E-21	2.10 E+00	1.12 E-21	1.17 E-01	4.78 E-23
584118	2.81 E+02	3.66 E-05	6.60 E+01	3.66 E-05	3.16 E+00	1.45 E-05	1.75 E-01	1.31 E-06
584119	3.94 E+02	3.66 E-05	9.24 E+01	3.66 E-05	4.41 E+00	1.45 E-05	2.45 E-01	1.31 E-06
584120	5.33 E+02	3.66 E-05	1.25 E+02	3.66 E-05	5.95 E+00	1.45 E-05	3.32 E-01	1.31 E-06
584121	6.99 E+02	3.68 E-05	1.64 E+02	3.67 E-05	7.79 E+00	1.46 E-05	4.34 E-01	1.32 E-06
584122	8.99 E+02	3.67 E-05	2.11 E+02	3.67 E-05	1.00 E+01	1.46 E-05	5.58 E-01	1.32 E-06
584123	1.08 E+03	3.67 E-05	2.52 E+02	3.67 E-05	1.19 E+01	1.46 E-05	6.68 E-01	1.32 E-06
584124	1.23 E+03	3.67 E-05	2.87 E+02	3.67 E-05	1.36 E+01	1.46 E-05	7.61 E-01	1.32 E-06
584125	1.34 E+03	3.67 E-05	3.15 E+02	3.67 E-05	1.49 E+01	1.46 E-05	8.33 E-01	1.32 E-06
584126	1.34 E+03	3.67 E-05	3.13 E+02	3.67 E-05	1.48 E+01	1.46 E-05	8.30 E-01	1.32 E-06
584127	1.24 E+03	3.67 E-05	2.90 E+02	3.66 E-05	1.37 E+01	1.46 E-05	7.68 E-01	1.31 E-06
584128	1.04 E+03	3.66 E-05	2.43 E+02	3.66 E-05	1.15 E+01	1.46 E-05	6.44 E-01	1.31 E-06
584129	7.77 E+02	3.66 E-05	1.82 E+02	3.66 E-05	8.65 E+00	1.46 E-05	4.83 E-01	1.31 E-06
584130	5.69 E-01	3.66 E-05	2.04 E-01	3.66 E-05	4.88 E-02	1.46 E-05	1.52 E-03	1.31 E-06
584131	3.37 E-01	3.66 E-05	1.50 E-01	3.66 E-05	4.62 E-02	1.45 E-05	1.37 E-03	1.31 E-06
584132	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
584133	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
584134	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
584135	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
584136	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
584137	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
584138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	584139	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
2	584140	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
3	584141	9.63 E-02	1.63 E-04	9.49 E-02	1.43 E-04	4.40 E-02	4.18 E-05	1.24 E-03	3.23 E-06
4	584142	9.73 E-02	1.97 E-04	9.54 E-02	1.71 E-04	4.41 E-02	4.92 E-05	1.25 E-03	3.75 E-06
5	584143	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
6	584144	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
7	584145	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
8	584146	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
9	584147	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
10	584148	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
11	584149	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
12	584150	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
13	584151	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
14	584152	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
15	584153	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
16	584154	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
17	584155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
18	584156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
19	585113	5.06 E+01	0.00 E+00	1.18 E+01	0.00 E+00	5.60 E-01	0.00 E+00	3.13 E-02	0.00 E+00
20	585114	8.60 E+01	0.00 E+00	2.01 E+01	0.00 E+00	9.53 E-01	0.00 E+00	5.33 E-02	0.00 E+00
21	585115	1.30 E+02	0.00 E+00	3.05 E+01	0.00 E+00	1.45 E+00	0.00 E+00	8.08 E-02	0.00 E+00
22	585116	1.76 E+02	9.64 E-23	4.12 E+01	9.64 E-23	1.95 E+00	5.72 E-23	1.09 E-01	2.43 E-24
23	585117	2.13 E+02	2.81 E-21	4.99 E+01	2.81 E-21	2.36 E+00	1.67 E-21	1.32 E-01	7.10 E-23
24	585118	2.78 E+02	3.66 E-05	6.51 E+01	3.66 E-05	3.12 E+00	1.45 E-05	1.73 E-01	1.31 E-06
25	585119	3.69 E+02	3.66 E-05	8.65 E+01	3.66 E-05	4.13 E+00	1.45 E-05	2.30 E-01	1.31 E-06
26	585120	4.88 E+02	3.68 E-05	1.14 E+02	3.68 E-05	5.45 E+00	1.46 E-05	3.03 E-01	1.32 E-06
27	585121	5.99 E+02	3.69 E-05	1.40 E+02	3.68 E-05	6.68 E+00	1.46 E-05	3.73 E-01	1.32 E-06
28	585122	7.10 E+02	3.68 E-05	1.66 E+02	3.67 E-05	7.91 E+00	1.46 E-05	4.41 E-01	1.32 E-06
29	585123	7.94 E+02	3.68 E-05	1.86 E+02	3.68 E-05	8.83 E+00	1.46 E-05	4.93 E-01	1.32 E-06
30	585124	8.66 E+02	3.68 E-05	2.03 E+02	3.67 E-05	9.63 E+00	1.46 E-05	5.38 E-01	1.32 E-06
31	585125	8.60 E+02	3.68 E-05	2.02 E+02	3.67 E-05	9.57 E+00	1.46 E-05	5.34 E-01	1.32 E-06
32	585126	8.05 E+02	3.67 E-05	1.88 E+02	3.67 E-05	8.96 E+00	1.46 E-05	5.00 E-01	1.32 E-06
33	585127	6.88 E+02	3.67 E-05	1.61 E+02	3.67 E-05	7.67 E+00	1.46 E-05	4.28 E-01	1.32 E-06
34	585128	5.37 E+02	3.67 E-05	1.26 E+02	3.66 E-05	5.99 E+00	1.46 E-05	3.34 E-01	1.31 E-06
35	585129	3.61 E+02	3.66 E-05	8.46 E+01	3.66 E-05	4.04 E+00	1.46 E-05	2.25 E-01	1.31 E-06
36	585130	8.98 E-01	3.66 E-05	2.82 E-01	3.66 E-05	5.24 E-02	1.45 E-05	1.72 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
585131	4.74 E-01	3.66 E-05	1.82 E-01	3.66 E-05	4.77 E-02	1.45 E-05	1.46 E-03	1.31 E-06
585132	4.46 E-01	3.66 E-05	1.76 E-01	3.66 E-05	4.74 E-02	1.45 E-05	1.44 E-03	1.31 E-06
585133	2.75 E-01	3.66 E-05	1.36 E-01	3.66 E-05	4.55 E-02	1.45 E-05	1.33 E-03	1.31 E-06
585134	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585135	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585136	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585137	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585139	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585140	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585141	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585142	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585143	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585144	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585145	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585146	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585147	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585148	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585149	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585150	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585151	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585152	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585153	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585154	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
585156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586113	5.53 E+01	0.00 E+00	1.29 E+01	0.00 E+00	6.13 E-01	0.00 E+00	3.43 E-02	0.00 E+00
586114	9.38 E+01	0.00 E+00	2.20 E+01	0.00 E+00	1.04 E+00	0.00 E+00	5.81 E-02	0.00 E+00
586115	1.43 E+02	0.00 E+00	3.34 E+01	0.00 E+00	1.58 E+00	0.00 E+00	8.84 E-02	0.00 E+00
586116	1.93 E+02	1.59 E-22	4.51 E+01	1.59 E-22	2.13 E+00	9.42 E-23	1.19 E-01	4.01 E-24
586117	2.33 E+02	3.20 E-21	5.46 E+01	3.20 E-21	2.58 E+00	1.90 E-21	1.44 E-01	8.08 E-23
586118	2.52 E+02	3.66 E-05	5.91 E+01	3.66 E-05	2.83 E+00	1.45 E-05	1.57 E-01	1.31 E-06
586119	3.27 E+02	3.66 E-05	7.68 E+01	3.66 E-05	3.67 E+00	1.45 E-05	2.04 E-01	1.31 E-06
586120	3.97 E+02	3.70 E-05	9.32 E+01	3.69 E-05	4.44 E+00	1.46 E-05	2.47 E-01	1.32 E-06
586121	4.62 E+02	3.70 E-05	1.08 E+02	3.69 E-05	5.16 E+00	1.46 E-05	2.88 E-01	1.32 E-06
586122	5.26 E+02	3.68 E-05	1.23 E+02	3.68 E-05	5.87 E+00	1.46 E-05	3.27 E-01	1.32 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
586123	5.53 E+02	3.68 E-05	1.30 E+02	3.68 E-05	6.17 E+00	1.46 E-05	3.44 E-01	1.32 E-06
586124	5.48 E+02	3.68 E-05	1.28 E+02	3.68 E-05	6.11 E+00	1.46 E-05	3.41 E-01	1.32 E-06
586125	5.07 E+02	3.68 E-05	1.19 E+02	3.68 E-05	5.66 E+00	1.46 E-05	3.15 E-01	1.32 E-06
586126	4.38 E+02	3.68 E-05	1.03 E+02	3.67 E-05	4.90 E+00	1.46 E-05	2.73 E-01	1.32 E-06
586127	3.50 E+02	3.68 E-05	8.20 E+01	3.67 E-05	3.91 E+00	1.46 E-05	2.18 E-01	1.32 E-06
586128	2.51 E+02	3.67 E-05	5.89 E+01	3.67 E-05	2.82 E+00	1.46 E-05	1.56 E-01	1.32 E-06
586129	2.35 E+00	3.66 E-05	6.23 E-01	3.66 E-05	6.87 E-02	1.46 E-05	2.62 E-03	1.31 E-06
586130	1.23 E+00	3.66 E-05	3.59 E-01	3.66 E-05	5.61 E-02	1.45 E-05	1.93 E-03	1.31 E-06
586131	1.14 E+00	3.66 E-05	3.40 E-01	3.66 E-05	5.52 E-02	1.45 E-05	1.88 E-03	1.31 E-06
586132	6.59 E-01	3.66 E-05	2.26 E-01	3.66 E-05	4.98 E-02	1.45 E-05	1.57 E-03	1.31 E-06
586133	3.67 E-01	3.66 E-05	1.57 E-01	3.66 E-05	4.65 E-02	1.45 E-05	1.39 E-03	1.31 E-06
586134	2.34 E-01	3.66 E-05	1.26 E-01	3.66 E-05	4.51 E-02	1.45 E-05	1.31 E-03	1.31 E-06
586135	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586136	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586137	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586138	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586139	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586140	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586141	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586142	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586143	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586144	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586145	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586146	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586147	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586148	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586149	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586150	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586151	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586152	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586153	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586154	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586155	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
586156	9.31 E-02	3.66 E-05	9.31 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587113	5.43 E+01	0.00 E+00	1.27 E+01	0.00 E+00	6.02 E-01	0.00 E+00	3.37 E-02	0.00 E+00
587114	9.10 E+01	0.00 E+00	2.13 E+01	0.00 E+00	1.01 E+00	0.00 E+00	5.64 E-02	0.00 E+00

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
587115	1.40 E+02	7.95 E-24	3.28 E+01	7.95 E-24	1.55 E+00	4.72 E-24	8.67 E-02	2.01 E-25
587116	1.88 E+02	2.16 E-22	4.41 E+01	2.16 E-22	2.08 E+00	1.28 E-22	1.17 E-01	5.46 E-24
587117	2.28 E+02	3.88 E-21	5.33 E+01	3.88 E-21	2.52 E+00	2.30 E-21	1.41 E-01	9.80 E-23
587118	2.40 E+02	3.66 E-05	5.64 E+01	3.66 E-05	2.70 E+00	1.45 E-05	1.50 E-01	1.31 E-06
587119	2.60 E+02	3.71 E-05	6.11 E+01	3.70 E-05	2.92 E+00	1.47 E-05	1.62 E-01	1.32 E-06
587120	2.99 E+02	3.71 E-05	7.02 E+01	3.70 E-05	3.35 E+00	1.47 E-05	1.86 E-01	1.32 E-06
587121	3.39 E+02	3.71 E-05	7.94 E+01	3.70 E-05	3.79 E+00	1.47 E-05	2.11 E-01	1.32 E-06
587122	3.53 E+02	3.71 E-05	8.28 E+01	3.70 E-05	3.95 E+00	1.47 E-05	2.20 E-01	1.32 E-06
587123	3.49 E+02	3.69 E-05	8.19 E+01	3.68 E-05	3.91 E+00	1.46 E-05	2.17 E-01	1.32 E-06
587124	3.20 E+02	3.68 E-05	7.51 E+01	3.68 E-05	3.59 E+00	1.46 E-05	1.99 E-01	1.32 E-06
587125	2.84 E+02	3.68 E-05	6.65 E+01	3.68 E-05	3.18 E+00	1.46 E-05	1.77 E-01	1.32 E-06
587126	2.23 E+02	3.68 E-05	5.24 E+01	3.68 E-05	2.51 E+00	1.46 E-05	1.39 E-01	1.32 E-06
587127	1.64 E+02	3.68 E-05	3.85 E+01	3.68 E-05	1.85 E+00	1.46 E-05	1.02 E-01	1.32 E-06
587128	5.46 E+00	3.68 E-05	1.35 E+00	3.67 E-05	1.03 E-01	1.46 E-05	4.55 E-03	1.32 E-06
587129	3.05 E+00	3.69 E-05	7.87 E-01	3.68 E-05	7.64 E-02	1.46 E-05	3.05 E-03	1.32 E-06
587130	2.79 E+00	3.66 E-05	7.26 E-01	3.66 E-05	7.34 E-02	1.45 E-05	2.89 E-03	1.31 E-06
587131	1.64 E+00	3.66 E-05	4.57 E-01	3.66 E-05	6.07 E-02	1.45 E-05	2.18 E-03	1.31 E-06
587132	8.65 E-01	3.66 E-05	2.75 E-01	3.66 E-05	5.21 E-02	1.45 E-05	1.70 E-03	1.31 E-06
587133	5.16 E-01	3.66 E-05	1.92 E-01	3.66 E-05	4.82 E-02	1.45 E-05	1.48 E-03	1.31 E-06
587134	3.43 E-01	3.66 E-05	1.52 E-01	3.66 E-05	4.63 E-02	1.45 E-05	1.38 E-03	1.31 E-06
587135	2.24 E-01	3.66 E-05	1.24 E-01	3.66 E-05	4.49 E-02	1.45 E-05	1.30 E-03	1.31 E-06
587136	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587137	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587138	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587139	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587140	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587141	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587142	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587143	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587144	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587145	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587146	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587147	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587148	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587149	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587150	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
587151	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587152	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587153	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587154	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587155	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
587156	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588113	4.76 E+01	0.00 E+00	1.12 E+01	0.00 E+00	5.28 E-01	0.00 E+00	2.95 E-02	0.00 E+00
588114	7.99 E+01	4.19 E-25	1.87 E+01	4.19 E-25	8.86 E-01	2.49 E-25	4.95 E-02	1.06 E-26
588115	1.21 E+02	1.14 E-23	2.83 E+01	1.14 E-23	1.34 E+00	6.75 E-24	7.50 E-02	2.87 E-25
588116	1.64 E+02	2.48 E-22	3.85 E+01	2.48 E-22	1.82 E+00	1.47 E-22	1.02 E-01	6.27 E-24
588117	1.94 E+02	3.84 E-21	4.55 E+01	3.84 E-21	2.15 E+00	2.28 E-21	1.20 E-01	9.69 E-23
588118	1.94 E+02	3.72 E-05	4.56 E+01	3.71 E-05	2.19 E+00	1.47 E-05	1.21 E-01	1.32 E-06
588119	1.85 E+02	3.73 E-05	4.35 E+01	3.71 E-05	2.09 E+00	1.47 E-05	1.16 E-01	1.32 E-06
588120	2.15 E+02	3.73 E-05	5.05 E+01	3.72 E-05	2.43 E+00	1.47 E-05	1.34 E-01	1.32 E-06
588121	2.23 E+02	3.73 E-05	5.24 E+01	3.72 E-05	2.51 E+00	1.47 E-05	1.39 E-01	1.32 E-06
588122	2.19 E+02	3.73 E-05	5.15 E+01	3.72 E-05	2.47 E+00	1.47 E-05	1.37 E-01	1.32 E-06
588123	2.08 E+02	3.73 E-05	4.87 E+01	3.72 E-05	2.34 E+00	1.47 E-05	1.30 E-01	1.32 E-06
588124	1.81 E+02	3.73 E-05	4.25 E+01	3.72 E-05	2.04 E+00	1.47 E-05	1.13 E-01	1.32 E-06
588125	1.45 E+02	3.69 E-05	3.40 E+01	3.68 E-05	1.65 E+00	1.46 E-05	9.10 E-02	1.32 E-06
588126	1.06 E+02	3.69 E-05	2.49 E+01	3.68 E-05	1.21 E+00	1.46 E-05	6.69 E-02	1.32 E-06
588127	1.10 E+01	3.71 E-05	2.65 E+00	3.70 E-05	1.65 E-01	1.47 E-05	8.00 E-03	1.32 E-06
588128	6.42 E+00	3.70 E-05	1.57 E+00	3.69 E-05	1.14 E-01	1.46 E-05	5.14 E-03	1.32 E-06
588129	6.25 E+00	3.69 E-05	1.53 E+00	3.69 E-05	1.12 E-01	1.46 E-05	5.04 E-03	1.32 E-06
588130	3.89 E+00	3.69 E-05	9.85 E-01	3.68 E-05	8.57 E-02	1.46 E-05	3.58 E-03	1.32 E-06
588131	2.03 E+00	3.66 E-05	5.49 E-01	3.66 E-05	6.50 E-02	1.45 E-05	2.42 E-03	1.31 E-06
588132	1.22 E+00	3.66 E-05	3.58 E-01	3.66 E-05	5.60 E-02	1.45 E-05	1.92 E-03	1.31 E-06
588133	7.93 E-01	3.66 E-05	2.58 E-01	3.66 E-05	5.13 E-02	1.45 E-05	1.65 E-03	1.31 E-06
588134	4.89 E-01	3.66 E-05	1.86 E-01	3.66 E-05	4.79 E-02	1.45 E-05	1.47 E-03	1.31 E-06
588135	3.07 E-01	3.66 E-05	1.43 E-01	3.66 E-05	4.59 E-02	1.45 E-05	1.35 E-03	1.31 E-06
588136	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588137	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588138	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588139	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588140	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588141	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588142	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
588143	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588144	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588145	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588146	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588147	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588148	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588149	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588150	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588151	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588152	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588153	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588154	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588155	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
588156	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589113	3.72 E+01	2.33 E-26	8.71 E+00	2.33 E-26	4.12 E-01	1.38 E-26	2.30 E-02	5.88 E-28
589114	6.22 E+01	7.56 E-25	1.46 E+01	7.56 E-25	6.89 E-01	4.49 E-25	3.85 E-02	1.91 E-26
589115	9.49 E+01	1.65 E-23	2.22 E+01	1.65 E-23	1.05 E+00	9.78 E-24	5.88 E-02	4.16 E-25
589116	1.26 E+02	2.83 E-22	2.95 E+01	2.83 E-22	1.40 E+00	1.68 E-22	7.81 E-02	7.14 E-24
589117	1.40 E+02	3.84 E-21	3.29 E+01	3.84 E-21	1.56 E+00	2.28 E-21	8.70 E-02	9.70 E-23
589118	1.49 E+02	3.74 E-05	3.49 E+01	3.73 E-05	1.69 E+00	1.47 E-05	9.34 E-02	1.33 E-06
589119	1.43 E+02	3.75 E-05	3.36 E+01	3.73 E-05	1.63 E+00	1.47 E-05	9.00 E-02	1.33 E-06
589120	1.35 E+02	3.75 E-05	3.18 E+01	3.74 E-05	1.54 E+00	1.47 E-05	8.51 E-02	1.33 E-06
589121	1.38 E+02	3.75 E-05	3.25 E+01	3.74 E-05	1.57 E+00	1.48 E-05	8.69 E-02	1.33 E-06
589122	1.32 E+02	3.76 E-05	3.09 E+01	3.74 E-05	1.50 E+00	1.48 E-05	8.27 E-02	1.33 E-06
589123	1.14 E+02	3.75 E-05	2.67 E+01	3.74 E-05	1.30 E+00	1.47 E-05	7.17 E-02	1.33 E-06
589124	9.28 E+01	3.75 E-05	2.18 E+01	3.73 E-05	1.07 E+00	1.47 E-05	5.86 E-02	1.33 E-06
589125	7.00 E+01	3.74 E-05	1.65 E+01	3.73 E-05	8.19 E-01	1.47 E-05	4.45 E-02	1.33 E-06
589126	4.83 E+01	3.74 E-05	1.14 E+01	3.72 E-05	5.78 E-01	1.47 E-05	3.11 E-02	1.33 E-06
589127	1.15 E+01	3.88 E-05	2.77 E+00	3.87 E-05	1.71 E-01	1.49 E-05	8.31 E-03	1.33 E-06
589128	1.16 E+01	3.72 E-05	2.78 E+00	3.71 E-05	1.71 E-01	1.47 E-05	8.34 E-03	1.32 E-06
589129	7.64 E+00	3.71 E-05	1.86 E+00	3.70 E-05	1.27 E-01	1.47 E-05	5.90 E-03	1.32 E-06
589130	4.40 E+00	3.70 E-05	1.10 E+00	3.69 E-05	9.14 E-02	1.46 E-05	3.89 E-03	1.32 E-06
589131	2.62 E+00	3.66 E-05	6.87 E-01	3.66 E-05	7.15 E-02	1.45 E-05	2.79 E-03	1.31 E-06
589132	1.78 E+00	3.66 E-05	4.90 E-01	3.66 E-05	6.23 E-02	1.45 E-05	2.27 E-03	1.31 E-06
589133	1.13 E+00	3.66 E-05	3.38 E-01	3.66 E-05	5.51 E-02	1.45 E-05	1.87 E-03	1.31 E-06
589134	6.82 E-01	3.66 E-05	2.32 E-01	3.66 E-05	5.00 E-02	1.45 E-05	1.59 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
589135	4.09 E-01	3.66 E-05	1.67 E-01	3.66 E-05	4.70 E-02	1.45 E-05	1.42 E-03	1.31 E-06
589136	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589137	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589138	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589139	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589140	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589141	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589142	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589143	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589144	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589145	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589146	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589147	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589148	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589149	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589150	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589151	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589152	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589153	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589154	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589155	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
589156	9.36 E-02	3.66 E-05	9.36 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590057	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
590067	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
590077	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
590087	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
590097	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
590113	2.60 E+01	3.84 E-26	6.10 E+00	3.84 E-26	2.88 E-01	2.28 E-26	1.61 E-02	9.69 E-28
590114	4.33 E+01	9.14 E-25	1.02 E+01	9.14 E-25	4.80 E-01	5.43 E-25	2.69 E-02	2.31 E-26
590115	6.55 E+01	1.89 E-23	1.53 E+01	1.89 E-23	7.26 E-01	1.12 E-23	4.06 E-02	4.76 E-25
590116	8.16 E+01	2.67 E-22	1.91 E+01	2.67 E-22	9.04 E-01	1.58 E-22	5.06 E-02	6.74 E-24
590117	9.71 E+01	9.47 E-07	2.28 E+01	7.98 E-07	1.08 E+00	2.04 E-07	6.02 E-02	1.45 E-08
590118	1.04 E+02	3.76 E-05	2.44 E+01	3.75 E-05	1.19 E+00	1.48 E-05	6.55 E-02	1.33 E-06
590119	1.05 E+02	3.77 E-05	2.48 E+01	3.75 E-05	1.21 E+00	1.48 E-05	6.66 E-02	1.33 E-06
590120	1.00 E+02	3.78 E-05	2.35 E+01	3.76 E-05	1.15 E+00	1.48 E-05	6.31 E-02	1.33 E-06
590121	8.22 E+01	5.67 E-02	1.93 E+01	5.67 E-02	9.54 E-01	3.32 E-02	5.21 E-02	2.15 E-03

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
590122	7.34 E+01	3.78 E-05	1.73 E+01	3.76 E-05	8.56 E-01	1.48 E-05	4.66 E-02	1.33 E-06
590123	5.89 E+01	3.78 E-05	1.39 E+01	3.76 E-05	6.96 E-01	1.48 E-05	3.77 E-02	1.33 E-06
590124	4.64 E+01	3.77 E-05	1.10 E+01	3.75 E-05	5.58 E-01	1.48 E-05	2.99 E-02	1.33 E-06
590125	3.22 E+01	3.76 E-05	7.63 E+00	3.75 E-05	4.00 E-01	1.48 E-05	2.11 E-02	1.33 E-06
590126	1.75 E+01	3.76 E-05	4.18 E+00	3.74 E-05	2.37 E-01	1.48 E-05	1.20 E-02	1.33 E-06
590127	1.87 E+01	3.74 E-05	4.46 E+00	3.73 E-05	2.50 E-01	1.47 E-05	1.27 E-02	1.33 E-06
590128	1.30 E+01	3.73 E-05	3.13 E+00	3.72 E-05	1.87 E-01	1.47 E-05	9.24 E-03	1.33 E-06
590129	7.93 E+00	3.72 E-05	1.93 E+00	3.71 E-05	1.30 E-01	1.47 E-05	6.07 E-03	1.32 E-06
590130	5.27 E+00	3.71 E-05	1.31 E+00	3.70 E-05	1.01 E-01	1.47 E-05	4.43 E-03	1.32 E-06
590131	3.64 E+00	3.66 E-05	9.26 E-01	3.66 E-05	8.27 E-02	1.45 E-05	3.41 E-03	1.31 E-06
590132	2.44 E+00	3.66 E-05	6.44 E-01	3.66 E-05	6.94 E-02	1.45 E-05	2.67 E-03	1.31 E-06
590133	1.53 E+00	3.66 E-05	4.32 E-01	3.66 E-05	5.94 E-02	1.45 E-05	2.11 E-03	1.31 E-06
590134	9.35 E-01	3.66 E-05	2.93 E-01	3.66 E-05	5.28 E-02	1.45 E-05	1.74 E-03	1.31 E-06
590135	5.41 E-01	3.66 E-05	2.01 E-01	3.66 E-05	4.84 E-02	1.45 E-05	1.50 E-03	1.31 E-06
590136	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590137	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590138	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590139	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590140	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590141	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590142	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590143	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590144	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590145	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590146	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
590147	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
590157	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
590167	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
590177	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
590187	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
590197	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
590207	1.15 E-03	2.74 E-07	1.15 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
591108	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591109	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591110	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591111	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
591112	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591113	1.62 E+01	3.66 E-05	3.87 E+00	3.66 E-05	2.22 E-01	1.45 E-05	1.12 E-02	1.31 E-06
591114	2.68 E+01	3.66 E-05	6.35 E+00	3.66 E-05	3.40 E-01	1.45 E-05	1.77 E-02	1.31 E-06
591115	3.82 E+01	3.66 E-05	9.03 E+00	3.66 E-05	4.67 E-01	1.45 E-05	2.48 E-02	1.31 E-06
591116	5.13 E+01	3.66 E-05	1.21 E+01	3.66 E-05	6.11 E-01	1.45 E-05	3.29 E-02	1.31 E-06
591117	6.11 E+01	3.78 E-05	1.44 E+01	3.76 E-05	7.21 E-01	1.48 E-05	3.90 E-02	1.33 E-06
591118	6.89 E+01	3.79 E-05	1.62 E+01	3.77 E-05	8.07 E-01	1.48 E-05	4.39 E-02	1.33 E-06
591119	7.06 E+01	3.80 E-05	1.66 E+01	3.78 E-05	8.25 E-01	1.48 E-05	4.49 E-02	1.33 E-06
591120	7.06 E+01	3.80 E-05	1.66 E+01	3.78 E-05	8.25 E-01	1.49 E-05	4.49 E-02	1.34 E-06
591121	6.78 E+01	3.81 E-05	1.60 E+01	3.78 E-05	7.94 E-01	1.49 E-05	4.32 E-02	1.34 E-06
591122	3.80 E+01	3.81 E-05	9.21 E+00	3.78 E-05	4.94 E-01	1.49 E-05	3.07 E-02	1.34 E-06
591123	3.01 E+01	3.80 E-05	7.13 E+00	3.78 E-05	3.77 E-01	1.49 E-05	1.98 E-02	1.34 E-06
591124	2.20 E+01	3.80 E-05	5.22 E+00	3.78 E-05	2.86 E-01	1.49 E-05	1.48 E-02	1.34 E-06
591125	2.27 E+01	3.79 E-05	5.40 E+00	3.77 E-05	2.95 E-01	1.48 E-05	1.52 E-02	1.33 E-06
591126	2.56 E+01	3.78 E-05	6.08 E+00	3.76 E-05	3.27 E-01	1.48 E-05	1.70 E-02	1.33 E-06
591127	1.91 E+01	3.77 E-05	4.55 E+00	3.75 E-05	2.54 E-01	1.48 E-05	1.30 E-02	1.33 E-06
591128	1.25 E+01	3.75 E-05	3.01 E+00	3.74 E-05	1.82 E-01	1.47 E-05	8.93 E-03	1.33 E-06
591129	8.81 E+00	3.74 E-05	2.14 E+00	3.72 E-05	1.40 E-01	1.47 E-05	6.62 E-03	1.33 E-06
591130	6.82 E+00	3.72 E-05	1.67 E+00	3.71 E-05	1.18 E-01	1.47 E-05	5.38 E-03	1.32 E-06
591131	4.71 E+00	3.66 E-05	1.18 E+00	3.66 E-05	9.45 E-02	1.45 E-05	4.08 E-03	1.31 E-06
591132	3.14 E+00	3.66 E-05	8.09 E-01	3.66 E-05	7.72 E-02	1.45 E-05	3.11 E-03	1.31 E-06
591133	1.98 E+00	3.66 E-05	5.36 E-01	3.66 E-05	6.43 E-02	1.45 E-05	2.38 E-03	1.31 E-06
591134	1.19 E+00	3.66 E-05	3.52 E-01	3.66 E-05	5.56 E-02	1.45 E-05	1.90 E-03	1.31 E-06
591135	1.25 E+00	3.66 E-05	3.67 E-01	3.66 E-05	5.63 E-02	1.45 E-05	1.94 E-03	1.31 E-06
591136	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591137	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591138	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591139	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591140	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591141	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591142	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591143	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591144	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591145	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
591146	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592108	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
592109	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592110	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592111	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592112	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592113	9.04 E+00	3.66 E-05	2.19 E+00	3.66 E-05	1.43 E-01	1.45 E-05	6.76 E-03	1.31 E-06
592114	1.44 E+01	3.66 E-05	3.45 E+00	3.66 E-05	2.03 E-01	1.45 E-05	1.01 E-02	1.31 E-06
592115	2.14 E+01	3.66 E-05	5.08 E+00	3.66 E-05	2.80 E-01	1.45 E-05	1.44 E-02	1.31 E-06
592116	2.96 E+01	1.96 E-03	7.02 E+00	1.96 E-03	3.71 E-01	3.80 E-04	1.95 E-02	2.05 E-05
592117	3.70 E+01	3.80 E-05	8.73 E+00	3.78 E-05	4.52 E-01	1.49 E-05	2.40 E-02	1.34 E-06
592118	4.21 E+01	3.82 E-05	9.93 E+00	3.79 E-05	5.09 E-01	1.49 E-05	2.72 E-02	1.34 E-06
592119	4.58 E+01	3.82 E-05	1.08 E+01	3.80 E-05	5.51 E-01	1.49 E-05	2.95 E-02	1.34 E-06
592120	4.63 E+01	3.83 E-05	1.09 E+01	3.80 E-05	5.56 E-01	1.49 E-05	2.98 E-02	1.34 E-06
592121	4.53 E+01	3.83 E-05	1.07 E+01	3.81 E-05	5.45 E-01	1.49 E-05	2.92 E-02	1.34 E-06
592122	4.41 E+01	3.84 E-05	1.04 E+01	3.81 E-05	5.31 E-01	1.49 E-05	2.84 E-02	1.34 E-06
592123	1.48 E+01	3.83 E-05	3.53 E+00	3.81 E-05	2.06 E-01	1.49 E-05	1.03 E-02	1.34 E-06
592124	2.51 E+01	3.82 E-05	5.95 E+00	3.80 E-05	3.21 E-01	1.49 E-05	1.67 E-02	1.34 E-06
592125	3.01 E+01	3.82 E-05	7.13 E+00	3.79 E-05	3.77 E-01	1.49 E-05	1.98 E-02	1.34 E-06
592126	2.41 E+01	3.80 E-05	5.73 E+00	3.78 E-05	3.10 E-01	1.49 E-05	1.61 E-02	1.34 E-06
592127	1.70 E+01	3.79 E-05	4.05 E+00	3.77 E-05	2.31 E-01	1.48 E-05	1.17 E-02	1.33 E-06
592128	1.28 E+01	3.77 E-05	3.06 E+00	3.75 E-05	1.84 E-01	1.48 E-05	9.06 E-03	1.33 E-06
592129	1.06 E+01	3.75 E-05	2.56 E+00	3.74 E-05	1.60 E-01	1.48 E-05	7.72 E-03	1.33 E-06
592130	8.20 E+00	3.74 E-05	2.00 E+00	3.73 E-05	1.33 E-01	1.47 E-05	6.24 E-03	1.33 E-06
592131	5.61 E+00	3.66 E-05	1.39 E+00	3.66 E-05	1.05 E-01	1.45 E-05	4.63 E-03	1.31 E-06
592132	3.79 E+00	3.66 E-05	9.62 E-01	3.66 E-05	8.44 E-02	1.45 E-05	3.51 E-03	1.31 E-06
592133	2.36 E+00	3.66 E-05	6.27 E-01	3.66 E-05	6.86 E-02	1.45 E-05	2.62 E-03	1.31 E-06
592134	1.39 E+00	3.66 E-05	3.99 E-01	3.66 E-05	5.78 E-02	1.45 E-05	2.02 E-03	1.31 E-06
592135	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592136	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592137	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592138	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592139	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592140	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592141	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592142	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592143	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592144	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
592145	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
592146	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593108	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593109	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593110	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593111	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593112	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593113	4.26 E+00	3.66 E-05	1.07 E+00	3.66 E-05	8.96 E-02	1.45 E-05	3.80 E-03	1.31 E-06
593114	7.48 E+00	3.66 E-05	1.83 E+00	3.66 E-05	1.25 E-01	1.45 E-05	5.80 E-03	1.31 E-06
593115	1.11 E+01	3.66 E-05	2.69 E+00	3.66 E-05	1.66 E-01	1.45 E-05	8.07 E-03	1.31 E-06
593116	1.66 E+01	1.95 E-03	3.96 E+00	1.95 E-03	2.27 E-01	3.71 E-04	1.14 E-02	1.99 E-05
593117	2.05 E+01	3.82 E-05	4.87 E+00	3.79 E-05	2.70 E-01	1.49 E-05	1.38 E-02	1.34 E-06
593118	2.52 E+01	3.84 E-05	5.98 E+00	3.81 E-05	3.22 E-01	1.49 E-05	1.67 E-02	1.34 E-06
593119	2.72 E+01	3.85 E-05	6.44 E+00	3.82 E-05	3.44 E-01	1.50 E-05	1.80 E-02	1.34 E-06
593120	2.95 E+01	3.86 E-05	6.98 E+00	3.83 E-05	3.69 E-01	1.50 E-05	1.94 E-02	1.34 E-06
593121	2.96 E+01	3.86 E-05	7.00 E+00	3.83 E-05	3.71 E-01	1.50 E-05	1.95 E-02	1.35 E-06
593122	2.86 E+01	3.87 E-05	6.78 E+00	3.83 E-05	3.60 E-01	1.50 E-05	1.89 E-02	1.35 E-06
593123	7.48 E+00	3.86 E-05	1.83 E+00	3.83 E-05	1.25 E-01	1.50 E-05	5.81 E-03	1.34 E-06
593124	3.05 E+01	3.85 E-05	7.21 E+00	3.82 E-05	3.80 E-01	1.50 E-05	2.00 E-02	1.34 E-06
593125	2.63 E+01	3.84 E-05	6.24 E+00	3.81 E-05	3.34 E-01	1.49 E-05	1.74 E-02	1.34 E-06
593126	1.98 E+01	3.83 E-05	4.72 E+00	3.80 E-05	2.62 E-01	1.49 E-05	1.34 E-02	1.34 E-06
593127	1.60 E+01	3.81 E-05	3.82 E+00	3.79 E-05	2.20 E-01	1.49 E-05	1.11 E-02	1.34 E-06
593128	1.43 E+01	3.79 E-05	3.42 E+00	3.77 E-05	2.01 E-01	1.48 E-05	9.99 E-03	1.33 E-06
593129	1.19 E+01	3.77 E-05	2.86 E+00	3.75 E-05	1.74 E-01	1.48 E-05	8.51 E-03	1.33 E-06
593130	9.26 E+00	3.75 E-05	2.24 E+00	3.74 E-05	1.45 E-01	1.47 E-05	6.90 E-03	1.33 E-06
593131	6.32 E+00	3.66 E-05	1.56 E+00	3.66 E-05	1.12 E-01	1.45 E-05	5.07 E-03	1.31 E-06
593132	4.17 E+00	3.66 E-05	1.05 E+00	3.66 E-05	8.86 E-02	1.45 E-05	3.74 E-03	1.31 E-06
593133	2.63 E+00	3.66 E-05	6.90 E-01	3.66 E-05	7.15 E-02	1.45 E-05	2.79 E-03	1.31 E-06
593134	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593135	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593136	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593137	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593138	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593139	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593140	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593141	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
593142	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593143	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593144	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593145	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
593146	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
594108	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
594109	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
594110	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
594111	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
594112	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
594113	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.23 E-03	1.31 E-06
594114	3.46 E+00	3.66 E-05	8.84 E-01	3.66 E-05	8.07 E-02	1.45 E-05	3.30 E-03	1.31 E-06
594115	4.84 E+01	1.05 E-04	4.44 E+01	1.05 E-04	3.66 E+00	2.75 E-05	8.36 E-01	3.07 E-06
594116	8.48 E+00	5.55 E-01	2.06 E+00	5.55 E-01	1.36 E-01	5.48 E-02	6.42 E-03	3.57 E-03
594117	1.14 E+01	3.82 E-05	2.74 E+00	3.79 E-05	1.69 E-01	1.49 E-05	8.21 E-03	1.34 E-06
594118	1.36 E+01	3.84 E-05	3.27 E+00	3.81 E-05	1.94 E-01	1.49 E-05	9.62 E-03	1.34 E-06
594119	1.58 E+01	3.86 E-05	3.78 E+00	3.82 E-05	2.18 E-01	1.50 E-05	1.10 E-02	1.34 E-06
594120	1.72 E+01	3.87 E-05	4.12 E+00	3.84 E-05	2.34 E-01	1.50 E-05	1.18 E-02	1.35 E-06
594121	1.80 E+01	3.88 E-05	4.30 E+00	3.85 E-05	2.43 E-01	1.50 E-05	1.23 E-02	1.35 E-06
594122	1.89 E+01	3.89 E-05	4.49 E+00	3.85 E-05	2.52 E-01	1.50 E-05	1.28 E-02	1.35 E-06
594123	2.66 E+01	3.89 E-05	6.31 E+00	3.85 E-05	3.38 E-01	1.50 E-05	1.76 E-02	1.35 E-06
594124	2.47 E+01	3.88 E-05	5.86 E+00	3.84 E-05	3.16 E-01	1.50 E-05	1.64 E-02	1.35 E-06
594125	2.01 E+01	3.87 E-05	4.78 E+00	3.83 E-05	2.65 E-01	1.50 E-05	1.36 E-02	1.35 E-06
594126	1.74 E+01	3.85 E-05	4.14 E+00	3.82 E-05	2.35 E-01	1.50 E-05	1.19 E-02	1.34 E-06
594127	1.66 E+01	3.83 E-05	3.97 E+00	3.80 E-05	2.27 E-01	1.49 E-05	1.15 E-02	1.34 E-06
594128	1.49 E+01	3.81 E-05	3.57 E+00	3.79 E-05	2.08 E-01	1.49 E-05	1.04 E-02	1.34 E-06
594129	1.24 E+01	3.79 E-05	2.99 E+00	3.77 E-05	1.81 E-01	1.48 E-05	8.86 E-03	1.33 E-06
594130	1.03 E+01	3.88 E-05	2.48 E+00	3.84 E-05	1.57 E-01	1.50 E-05	7.52 E-03	1.35 E-06
594131	6.48 E+00	3.66 E-05	1.60 E+00	3.66 E-05	1.14 E-01	1.45 E-05	5.18 E-03	1.31 E-06
594132	4.36 E+00	3.66 E-05	1.09 E+00	3.66 E-05	9.07 E-02	1.45 E-05	3.86 E-03	1.31 E-06
594133	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
594134	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
594135	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
594136	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
594137	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
594138	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	594139	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
2	594140	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
3	594141	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
4	594142	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
5	594143	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
6	594144	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
7	594145	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
8	594146	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
9	595108	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.23 E-03	1.31 E-06
10	595109	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.23 E-03	1.31 E-06
11	595110	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.23 E-03	1.31 E-06
12	595111	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.23 E-03	1.31 E-06
13	595112	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.23 E-03	1.31 E-06
14	595113	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.23 E-03	1.31 E-06
15	595114	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
16	595115	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
17	595116	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
18	595117	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
19	595118	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
20	595119	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
21	595120	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
22	595121	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
23	595122	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
24	595123	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
25	595124	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
26	595125	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
27	595126	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
28	595127	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
29	595128	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
30	595129	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
31	595130	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
32	595131	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
33	595132	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
34	595133	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
35	595134	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
36	595135	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
595136	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
595137	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
595138	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
595139	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
595140	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
595141	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
595142	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
595143	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
595144	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
595145	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
595146	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596108	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596109	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596110	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596111	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596112	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596113	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596114	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596115	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596116	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596117	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596118	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596119	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596120	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596121	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596122	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596123	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596124	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596125	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596126	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596127	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596128	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596129	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596130	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596131	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596132	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
596133	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596134	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596135	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596136	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596137	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596138	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596139	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596140	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596141	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596142	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596143	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596144	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596145	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
596146	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597108	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597109	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597110	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597111	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597112	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597113	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597114	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597115	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597116	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597117	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597118	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597119	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597120	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597121	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597122	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597123	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597124	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597125	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597126	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597127	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597128	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597129	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
597130	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597131	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597132	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597133	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597134	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597135	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597136	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597137	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597138	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597139	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597140	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597141	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597142	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597143	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597144	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597145	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
597146	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598108	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598109	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598110	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598111	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598112	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598113	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598114	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598115	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598116	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598117	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598118	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598119	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598120	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598121	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598122	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598123	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598124	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598125	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
598126	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	598127	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
2	598128	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
3	598129	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
4	598130	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
5	598131	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
6	598132	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
7	598133	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
8	598134	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
9	598135	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
10	598136	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
11	598137	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
12	598138	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
13	598139	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
14	598140	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
15	598141	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
16	598142	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
17	598143	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
18	598144	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
19	598145	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
20	598146	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
21	599108	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
22	599109	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
23	599110	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
24	599111	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
25	599112	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
26	599113	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
27	599114	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
28	599115	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
29	599116	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
30	599117	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
31	599118	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
32	599119	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
33	599120	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
34	599121	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
35	599122	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
36	599123	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	599124	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
2	599125	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
3	599126	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
4	599127	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
5	599128	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
6	599129	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
7	599130	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
8	599131	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
9	599132	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
10	599133	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
11	599134	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
12	599135	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
13	599136	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
14	599137	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
15	599138	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
16	599139	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
17	599140	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
18	599141	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
19	599142	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
20	599143	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
21	599144	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
22	599145	9.72 E-02	3.66 E-05	9.72 E-02	3.66 E-05	4.35 E-02	1.45 E-05	1.22 E-03	1.31 E-06
23	599146	1.94 E-01	7.33 E-05	1.94 E-01	7.33 E-05	8.69 E-02	2.91 E-05	2.44 E-03	2.64 E-06
24	600057	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
25	600067	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
26	600077	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
27	600087	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
28	600097	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
29	600107	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
30	600117	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
31	600127	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
32	600137	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
33	600147	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
34	600157	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
35	600167	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
36	600177	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
600187	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
600197	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
600207	1.16 E-03	2.74 E-07	1.16 E-03	2.74 E-07	7.30 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610057	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610067	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610077	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610087	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610097	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610107	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610117	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610127	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610137	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610147	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610157	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610167	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610177	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610187	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610197	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
610207	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620057	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620067	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620077	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620087	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620097	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620107	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620117	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620127	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620137	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620147	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620157	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620167	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620177	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620187	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620197	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
620207	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630057	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09

Table B5-4. Statistical Increase in Individual Risk at T_{100} (Year 2089). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
630067	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630077	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630087	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630097	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630107	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630117	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630127	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630137	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630147	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630157	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630167	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630177	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630187	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630197	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
630207	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640057	2.47 E-03	5.49 E-07	2.47 E-03	5.48 E-07	1.46 E-03	2.19 E-07	4.08 E-05	1.92 E-08
640067	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640077	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640087	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640097	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640107	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640117	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640127	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640137	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640147	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640157	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640167	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640177	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640187	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640197	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09
640207	1.23 E-03	2.74 E-07	1.23 E-03	2.74 E-07	7.31 E-04	1.09 E-07	2.04 E-05	9.62 E-09

*Includes cancer risk and noncarcinogenic chemical risk.

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
490057	7.56 E-05	1.40 E-08	7.56 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
490067	7.56 E-05	1.40 E-08	7.56 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
490077	7.56 E-05	1.40 E-08	7.56 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
490087	7.56 E-05	1.40 E-08	7.56 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
490097	7.53 E-05	1.40 E-08	7.53 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
490107	7.53 E-05	1.40 E-08	7.53 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
490117	7.53 E-05	1.40 E-08	7.53 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
490127	7.53 E-05	1.40 E-08	7.53 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
490137	7.53 E-05	1.40 E-08	7.53 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
490147	7.53 E-05	1.40 E-08	7.53 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
490157	7.53 E-05	1.40 E-08	7.53 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
490167	0.00 E+00	1.67 E-12	0.00 E+00	1.66 E-12	0.00 E+00	1.51 E-13	0.00 E+00	1.42 E-14
490177	0.00 E+00	1.02 E-16	0.00 E+00	7.50 E-17	0.00 E+00	1.97 E-17	0.00 E+00	1.09 E-18
500057	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
500067	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
500077	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
500087	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
500097	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
500107	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
500117	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
500127	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
500137	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
500147	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
500157	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
500167	7.68 E-05	1.50 E-08	7.68 E-05	1.50 E-08	5.06 E-05	6.01 E-09	1.41 E-06	5.23 E-10
500177	7.56 E-05	1.40 E-08	7.56 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
500187	7.56 E-05	1.40 E-08	7.56 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
500197	7.56 E-05	1.40 E-08	7.56 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
500207	7.56 E-05	1.40 E-08	7.56 E-05	1.40 E-08	4.98 E-05	5.66 E-09	1.39 E-06	4.92 E-10
510057	7.87 E-05	1.50 E-08	7.87 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510067	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510077	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510087	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510097	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510107	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510117	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
510127	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510137	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510147	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510157	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510167	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510177	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510187	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510197	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
510207	7.77 E-05	1.50 E-08	7.77 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520057	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520067	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520077	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520087	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520097	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520107	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520117	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520127	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520137	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520147	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520157	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520167	7.87 E-05	1.50 E-08	7.87 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520177	7.87 E-05	1.50 E-08	7.87 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520187	7.87 E-05	1.50 E-08	7.87 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520197	7.87 E-05	1.50 E-08	7.87 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
520207	7.87 E-05	1.50 E-08	7.87 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530057	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530067	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530077	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530087	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530097	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530107	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530117	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530127	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530137	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530147	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530157	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
530167	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530177	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530187	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530197	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
530207	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
540057	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
540067	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
540077	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
540087	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
540097	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
540107	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
540117	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
540127	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
540137	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
540147	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
540157	2.24 E-04	1.72 E-08	2.24 E-04	1.72 E-08	1.48 E-04	7.02 E-09	4.13 E-06	5.66 E-10
540167	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
540177	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
540187	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
540197	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
540207	7.99 E-05	1.50 E-08	7.99 E-05	1.50 E-08	5.12 E-05	6.01 E-09	1.43 E-06	5.23 E-10
550057	2.46 E-04	6.98 E-08	2.46 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
550067	2.46 E-04	6.98 E-08	2.46 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
550077	2.46 E-04	6.98 E-08	2.46 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
550087	2.45 E-04	6.98 E-08	2.45 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
550097	2.45 E-04	6.98 E-08	2.45 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
550107	2.45 E-04	6.98 E-08	2.45 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
550117	2.45 E-04	6.98 E-08	2.45 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
550127	2.45 E-04	6.98 E-08	2.45 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
550137	2.45 E-04	6.98 E-08	2.45 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
550147	2.45 E-04	6.98 E-08	2.45 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
550157	2.45 E-04	6.98 E-08	2.45 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
550167	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
550177	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
550187	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
550197	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	550207	2.41 E-04	6.57 E-08	2.41 E-04	6.57 E-08	1.48 E-04	2.65 E-08	4.14 E-06	2.34 E-09
2	560057	2.54 E-04	6.98 E-08	2.54 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
3	560067	2.54 E-04	6.98 E-08	2.54 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
4	560077	2.54 E-04	6.98 E-08	2.54 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
5	560087	2.54 E-04	6.98 E-08	2.54 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
6	560097	2.54 E-04	6.98 E-08	2.54 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
7	560107	2.54 E-04	6.98 E-08	2.54 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
8	560117	2.54 E-04	6.98 E-08	2.54 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
9	560157	2.46 E-04	6.98 E-08	2.46 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
10	560167	2.46 E-04	6.98 E-08	2.46 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
11	560177	2.46 E-04	6.98 E-08	2.46 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
12	560187	2.46 E-04	6.98 E-08	2.46 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
13	560197	2.46 E-04	6.98 E-08	2.46 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
14	560207	2.46 E-04	6.98 E-08	2.46 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.21 E-06	2.47 E-09
15	561128	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
16	561129	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
17	561130	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
18	561131	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
19	561132	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
20	561133	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
21	561134	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
22	561135	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
23	561136	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
24	561137	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
25	561138	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
26	561139	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
27	561140	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
28	561141	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
29	561142	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
30	561143	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
31	561144	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
32	561145	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
33	561146	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
34	561147	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
35	561148	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
36	561149	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
561150	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
561151	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
561152	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
561153	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
561154	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
561155	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
561156	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
562128	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
562129	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
562130	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
562131	2.41 E-03	1.22 E-06	2.41 E-03	1.22 E-06	1.20 E-03	4.88 E-07	3.36 E-05	4.42 E-08
562132	2.41 E-03	6.32 E-06	2.41 E-03	6.32 E-06	1.20 E-03	2.53 E-06	3.36 E-05	2.33 E-07
562133	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562134	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562135	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562136	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562137	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562138	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562139	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562140	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562141	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562142	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562143	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562144	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562145	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562146	7.90 E-03	6.39 E-06	7.85 E-03	6.39 E-06	4.67 E-03	2.57 E-06	1.31 E-04	2.34 E-07
562147	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562148	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562149	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562150	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562151	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562152	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562153	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562154	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562155	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
562156	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
563128	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
563129	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
563130	7.80 E-03	6.39 E-06	7.80 E-03	6.39 E-06	4.65 E-03	2.57 E-06	1.30 E-04	2.34 E-07
563131	7.80 E-03	6.42 E-06	7.80 E-03	6.42 E-06	4.65 E-03	2.58 E-06	1.30 E-04	2.34 E-07
563132	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563133	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563134	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563135	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563136	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563137	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563138	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563139	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563140	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563141	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563142	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563143	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563144	1.14 E-02	6.42 E-06	1.13 E-02	6.42 E-06	4.70 E-03	2.58 E-06	1.33 E-04	2.34 E-07
563145	1.17 E-02	6.42 E-06	1.14 E-02	6.42 E-06	4.74 E-03	2.58 E-06	1.35 E-04	2.34 E-07
563146	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563147	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563148	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563149	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563150	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563151	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563152	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563153	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563154	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563155	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
563156	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
564128	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
564129	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
564130	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
564131	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
564132	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
564133	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07
564134	1.11 E-02	6.42 E-06	1.11 E-02	6.42 E-06	4.67 E-03	2.58 E-06	1.31 E-04	2.34 E-07

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
564135	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564136	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564137	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564138	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564139	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564140	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564141	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564142	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564143	1.20 E-02	4.37 E-04	1.15 E-02	4.37 E-04	4.78 E-03	4.61 E-05	1.37 E-04	3.03 E-06
564144	1.24 E-02	6.49 E-06	1.18 E-02	6.49 E-06	4.84 E-03	2.60 E-06	1.41 E-04	2.37 E-07
564145	1.33 E-02	6.49 E-06	1.22 E-02	6.49 E-06	4.95 E-03	2.60 E-06	1.47 E-04	2.37 E-07
564146	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564147	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564148	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564149	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564150	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564151	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564152	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564153	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564154	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564155	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
564156	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
565128	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
565129	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
565130	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.67 E-03	2.60 E-06	1.31 E-04	2.37 E-07
565131	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.68 E-03	2.60 E-06	1.32 E-04	2.37 E-07
565132	1.11 E-02	6.49 E-06	1.11 E-02	6.49 E-06	4.69 E-03	2.60 E-06	1.32 E-04	2.37 E-07
565133	1.11 E-02	5.69 E-02	1.11 E-02	5.69 E-02	4.69 E-03	1.90 E-02	1.32 E-04	1.23 E-03
565134	3.76 E-02	4.20 E-05	3.76 E-02	4.20 E-05	2.16 E-02	1.43 E-05	6.04 E-04	1.29 E-06
565135	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
565136	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
565137	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
565138	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
565139	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
565140	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
565141	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	565142	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
2	565143	4.18 E-02	4.05 E-04	3.97 E-02	4.05 E-04	2.21 E-02	5.10 E-05	6.35 E-04	3.64 E-06
3	565144	6.51 E-02	2.35 E-03	6.26 E-02	2.35 E-03	2.45 E-02	3.69 E-04	1.07 E-03	2.42 E-05
4	565145	4.34 E-02	1.52 E-02	4.06 E-02	1.52 E-02	2.23 E-02	2.40 E-03	6.48 E-04	1.55 E-04
5	565146	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
6	565147	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
7	565148	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
8	565149	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
9	565150	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
10	565151	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
11	565152	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
12	565153	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
13	565154	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
14	565155	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
15	565156	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
16	566128	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
17	566129	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
18	566130	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
19	566131	3.76 E-02	3.35 E-05	3.76 E-02	3.35 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
20	566132	3.76 E-02	3.36 E-05	3.76 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.04 E-04	1.23 E-06
21	566133	6.13 E-02	3.48 E-01	6.13 E-02	3.48 E-01	2.16 E-02	1.24 E-01	6.10 E-04	7.99 E-03
22	566134	6.14 E-02	1.00 E+00	6.14 E-02	1.00 E+00	2.17 E-02	1.00 E+00	6.11 E-04	8.41 E-02
23	566135	2.93 E+00	1.00 E+00	2.93 E+00	1.00 E+00	4.19 E-01	1.00 E+00	6.09 E-02	6.73 E-01
24	566136	1.02 E+01	1.00 E+00	1.02 E+01	1.00 E+00	1.92 E+00	1.00 E+00	2.24 E-01	1.00 E+00
25	566137	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
26	566138	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
27	566139	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
28	566140	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
29	566141	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
30	566142	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
31	566143	7.86 E-02	3.36 E-05	7.03 E-02	3.36 E-05	2.41 E-02	1.35 E-05	7.41 E-04	1.23 E-06
32	566144	7.79 E-02	3.36 E-05	6.99 E-02	3.36 E-05	2.40 E-02	1.35 E-05	7.35 E-04	1.23 E-06
33	566145	3.02 E+00	3.36 E-05	7.58 E-01	3.36 E-05	5.62 E-02	1.35 E-05	2.54 E-03	1.23 E-06
34	566146	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
35	566147	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
36	566148	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
566149	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
566150	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
566151	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
566152	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
566153	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
566154	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
566155	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
566156	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567128	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567129	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567130	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567131	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567132	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567133	6.61 E-02	7.24 E-02	6.61 E-02	7.24 E-02	2.52 E-02	2.35 E-02	7.17 E-04	1.52 E-03
567134	6.13 E-02	1.00 E+00	6.13 E-02	1.00 E+00	2.16 E-02	1.89 E-01	6.10 E-04	1.22 E-02
567135	2.90 E+02	5.96 E-03	2.78 E+02	5.96 E-03	2.00 E+02	2.40 E-03	6.16 E+00	1.21 E-04
567136	7.39 E-01	9.85 E-01	5.25 E-01	9.59 E-01	1.10 E-01	4.01 E-01	8.44 E-03	2.59 E-02
567137	6.13 E-02	4.96 E-01	6.13 E-02	4.96 E-01	2.16 E-02	1.61 E-01	6.10 E-04	1.04 E-02
567138	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567139	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567140	9.01 E-02	3.36 E-05	7.64 E-02	3.36 E-05	2.57 E-02	1.35 E-05	8.28 E-04	1.23 E-06
567141	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567142	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567143	1.76 E+00	3.51 E-05	4.77 E-01	3.49 E-05	4.78 E-02	1.38 E-05	2.05 E-03	1.26 E-06
567144	2.57 E+00	3.45 E-05	6.61 E-01	3.44 E-05	5.49 E-02	1.37 E-05	2.45 E-03	1.25 E-06
567145	3.54 E+00	3.40 E-05	8.83 E-01	3.39 E-05	6.38 E-02	1.36 E-05	2.96 E-03	1.24 E-06
567146	4.65 E+00	3.38 E-05	1.14 E+00	3.38 E-05	7.45 E-02	1.35 E-05	3.56 E-03	1.24 E-06
567147	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567148	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567149	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567150	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567151	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567152	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567153	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567154	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
567155	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
567156	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568128	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568129	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568130	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568131	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568132	7.97 E-02	3.82 E-05	7.97 E-02	3.82 E-05	3.52 E-02	1.63 E-05	1.02 E-03	1.35 E-06
568133	1.61 E-01	4.96 E-03	1.51 E-01	4.18 E-03	6.56 E-02	1.08 E-03	2.22 E-03	7.63 E-05
568134	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568135	2.09 E+02	4.56 E-03	2.06 E+02	4.56 E-03	1.51 E+02	1.84 E-03	4.63 E+00	9.33 E-05
568136	9.20 E+01	1.86 E-03	8.70 E+01	1.86 E-03	6.21 E+01	7.51 E-04	1.92 E+00	3.83 E-05
568137	7.96 E+00	3.36 E-05	4.12 E+00	3.36 E-05	1.05 E+00	1.35 E-05	5.80 E-02	1.23 E-06
568138	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568139	1.50 E-01	3.36 E-05	1.08 E-01	3.36 E-05	3.41 E-02	1.35 E-05	1.28 E-03	1.23 E-06
568140	5.31 E-01	4.37 E-05	2.14 E-01	4.20 E-05	4.63 E-02	1.57 E-05	1.93 E-03	1.39 E-06
568141	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568142	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568143	2.08 E+00	4.28 E-05	5.71 E-01	4.13 E-05	6.16 E-02	1.55 E-05	2.75 E-03	1.37 E-06
568144	2.93 E+00	3.88 E-05	7.56 E-01	3.79 E-05	6.40 E-02	1.46 E-05	2.93 E-03	1.31 E-06
568145	3.97 E+00	3.56 E-05	9.89 E-01	3.52 E-05	7.06 E-02	1.39 E-05	3.33 E-03	1.26 E-06
568146	5.15 E+00	1.30 E-04	1.26 E+00	1.30 E-04	8.05 E-02	2.31 E-05	3.90 E-03	1.86 E-06
568147	6.40 E+00	3.40 E-05	1.55 E+00	3.39 E-05	9.32 E-02	1.36 E-05	4.61 E-03	1.24 E-06
568148	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568149	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568150	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568151	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568152	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568153	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568154	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568155	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
568156	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
569128	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
569129	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
569130	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
569131	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
569132	8.79 E-02	4.03 E-05	8.79 E-02	4.03 E-05	4.12 E-02	1.75 E-05	1.21 E-03	1.40 E-06
569133	1.20 E+00	7.78 E-02	1.04 E+00	6.62 E-02	3.70 E-01	1.79 E-02	1.59 E-02	1.28 E-03

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	569134	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
2	569135	9.82 E+01	2.25 E-03	9.71 E+01	2.21 E-03	7.17 E+01	8.86 E-04	2.19 E+00	4.53 E-05
3	569136	2.17 E+02	4.25 E-03	2.03 E+02	4.25 E-03	1.44 E+02	1.72 E-03	4.47 E+00	8.71 E-05
4	569137	1.60 E+01	6.89 E-05	9.01 E+00	6.89 E-05	3.06 E+00	2.79 E-05	1.40 E-01	1.95 E-06
5	569138	3.90 E-01	1.14 E-04	3.53 E-01	1.02 E-04	2.30 E-01	3.18 E-05	7.00 E-03	2.47 E-06
6	569139	6.74 E-01	1.05 E-04	3.47 E-01	9.31 E-05	9.89 E-02	2.88 E-05	4.47 E-03	2.31 E-06
7	569140	6.13 E-02	1.67 E-04	6.13 E-02	1.67 E-04	2.16 E-02	2.66 E-05	6.10 E-04	2.09 E-06
8	569141	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
9	569142	1.71 E+00	6.83 E-05	5.56 E-01	6.27 E-05	9.74 E-02	2.10 E-05	4.34 E-03	1.76 E-06
10	569143	2.32 E+00	6.66 E-05	6.51 E-01	6.12 E-05	7.64 E-02	2.06 E-05	3.46 E-03	1.73 E-06
11	569144	3.19 E+00	5.07 E-05	8.25 E-01	4.79 E-05	7.07 E-02	1.72 E-05	3.28 E-03	1.49 E-06
12	569145	4.13 E+00	3.97 E-05	1.03 E+00	3.87 E-05	7.25 E-02	1.48 E-05	3.44 E-03	1.32 E-06
13	569146	7.65 E+00	2.99 E-03	3.51 E+00	2.99 E-03	4.05 E-01	4.94 E-04	5.07 E-02	3.23 E-05
14	569147	6.62 E+00	4.92 E-02	1.59 E+00	4.92 E-02	9.51 E-02	8.75 E-03	4.72 E-03	5.64 E-04
15	569148	7.94 E+00	3.42 E-05	1.91 E+00	3.41 E-05	1.09 E-01	1.36 E-05	5.51 E-03	1.24 E-06
16	569149	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
17	569150	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
18	569151	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
19	569152	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
20	569153	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
21	569154	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
22	569155	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
23	569156	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
24	570057	6.24 E-04	2.51 E-07	6.24 E-04	2.51 E-07	3.64 E-04	1.01 E-07	1.02 E-05	9.04 E-09
25	570067	6.24 E-04	2.51 E-07	6.24 E-04	2.51 E-07	3.64 E-04	1.01 E-07	1.02 E-05	9.04 E-09
26	570077	6.24 E-04	2.51 E-07	6.24 E-04	2.51 E-07	3.64 E-04	1.01 E-07	1.02 E-05	9.04 E-09
27	570087	6.24 E-04	2.51 E-07	6.24 E-04	2.51 E-07	3.64 E-04	1.01 E-07	1.02 E-05	9.04 E-09
28	570097	6.24 E-04	2.51 E-07	6.24 E-04	2.51 E-07	3.64 E-04	1.01 E-07	1.02 E-05	9.04 E-09
29	570107	6.24 E-04	2.51 E-07	6.24 E-04	2.51 E-07	3.64 E-04	1.01 E-07	1.02 E-05	9.04 E-09
30	570117	6.24 E-04	2.51 E-07	6.24 E-04	2.51 E-07	3.64 E-04	1.01 E-07	1.02 E-05	9.04 E-09
31	570128	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
32	570129	8.77 E+00	3.36 E-05	2.10 E+00	3.36 E-05	1.18 E-01	1.35 E-05	6.01 E-03	1.23 E-06
33	570130	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
34	570131	6.13 E-02	3.36 E-05	6.13 E-02	3.36 E-05	2.16 E-02	1.35 E-05	6.10 E-04	1.23 E-06
35	570132	7.92 E-02	3.81 E-05	7.92 E-02	3.81 E-05	3.48 E-02	1.62 E-05	1.01 E-03	1.35 E-06
36	570133	1.60 E+00	1.03 E-01	1.39 E+00	8.84 E-02	4.82 E-01	2.44 E-02	2.10 E-02	1.76 E-03

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
570134	7.11 E-01	4.67 E-02	6.19 E-01	3.96 E-02	2.14 E-01	1.05 E-02	9.16 E-03	7.47 E-04
570135	3.02 E+01	8.18 E-04	3.00 E+01	7.54 E-04	2.22 E+01	2.92 E-04	6.77 E-01	1.55 E-05
570136	1.12 E+02	2.71 E-03	1.03 E+02	2.59 E-03	7.23 E+01	9.74 E-04	2.25 E+00	5.18 E-05
570137	2.27 E+01	7.42 E-04	1.61 E+01	6.58 E-04	8.56 E+00	2.04 E-04	3.05 E-01	1.30 E-05
570138	8.16 E+00	5.27 E-04	5.30 E+00	4.53 E-04	2.44 E+00	1.28 E-04	9.35 E-02	8.94 E-06
570139	3.28 E+00	3.77 E-04	1.90 E+00	3.22 E-04	7.11 E-01	8.89 E-05	3.03 E-02	6.47 E-06
570140	6.13 E-02	3.40 E-05	6.13 E-02	3.40 E-05	2.16 E-02	1.36 E-05	6.10 E-04	1.24 E-06
570141	1.69 E+00	1.77 E-04	7.22 E-01	1.53 E-04	1.87 E-01	4.43 E-05	8.51 E-03	3.39 E-06
570142	2.02 E+00	3.52 E-03	8.23 E-01	2.96 E-03	1.76 E-01	7.64 E-04	7.29 E-03	5.42 E-05
570143	2.31 E+00	1.04 E-04	6.53 E-01	9.25 E-05	7.92 E-02	2.86 E-05	3.60 E-03	2.31 E-06
570144	3.15 E+00	7.12 E-05	8.10 E-01	6.50 E-05	6.82 E-02	2.16 E-05	3.16 E-03	1.81 E-06
570145	4.21 E+00	4.67 E-05	1.04 E+00	4.46 E-05	7.17 E-02	1.63 E-05	3.40 E-03	1.43 E-06
570146	5.43 E+00	3.98 E-05	1.32 E+00	3.88 E-05	8.25 E-02	1.48 E-05	4.01 E-03	1.33 E-06
570147	6.72 E+00	3.68 E-05	1.62 E+00	3.63 E-05	9.59 E-02	1.42 E-05	4.77 E-03	1.29 E-06
570148	8.00 E+00	3.53 E-05	1.92 E+00	3.51 E-05	1.10 E-01	1.39 E-05	5.54 E-03	1.26 E-06
570149	9.27 E+00	3.48 E-05	2.22 E+00	3.46 E-05	1.24 E-01	1.38 E-05	6.32 E-03	1.26 E-06
570150	6.13 E-02	3.40 E-05	6.13 E-02	3.40 E-05	2.16 E-02	1.36 E-05	6.10 E-04	1.24 E-06
570151	6.13 E-02	3.40 E-05	6.13 E-02	3.40 E-05	2.16 E-02	1.36 E-05	6.10 E-04	1.24 E-06
570152	6.13 E-02	3.40 E-05	6.13 E-02	3.40 E-05	2.16 E-02	1.36 E-05	6.10 E-04	1.24 E-06
570153	6.13 E-02	3.40 E-05	6.13 E-02	3.40 E-05	2.16 E-02	1.36 E-05	6.10 E-04	1.24 E-06
570154	6.13 E-02	3.40 E-05	6.13 E-02	3.40 E-05	2.16 E-02	1.36 E-05	6.10 E-04	1.24 E-06
570155	6.13 E-02	3.40 E-05	6.13 E-02	3.40 E-05	2.16 E-02	1.36 E-05	6.10 E-04	1.24 E-06
570156	6.13 E-02	3.40 E-05	6.13 E-02	3.40 E-05	2.16 E-02	1.36 E-05	6.10 E-04	1.24 E-06
570157	2.54 E-04	7.02 E-08	2.54 E-04	7.02 E-08	1.51 E-04	2.79 E-08	4.22 E-06	2.47 E-09
570167	2.54 E-04	6.99 E-08	2.54 E-04	6.99 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
570177	2.54 E-04	6.99 E-08	2.54 E-04	6.99 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
570187	2.54 E-04	6.99 E-08	2.54 E-04	6.99 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
570197	2.54 E-04	6.99 E-08	2.54 E-04	6.99 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
570207	2.54 E-04	6.98 E-08	2.54 E-04	6.98 E-08	1.51 E-04	2.78 E-08	4.22 E-06	2.47 E-09
571128	6.13 E-02	3.40 E-05	6.13 E-02	3.40 E-05	2.16 E-02	1.36 E-05	6.10 E-04	1.24 E-06
571129	2.50 E+02	3.40 E-05	5.87 E+01	3.40 E-05	2.79 E+00	1.36 E-05	1.56 E-01	1.24 E-06
571130	3.60 E+02	3.40 E-05	8.45 E+01	3.40 E-05	4.01 E+00	1.36 E-05	2.24 E-01	1.24 E-06
571131	6.13 E-02	3.40 E-05	6.13 E-02	3.40 E-05	2.16 E-02	1.36 E-05	6.10 E-04	1.24 E-06
571132	6.68 E-02	3.54 E-05	6.68 E-02	3.54 E-05	2.57 E-02	1.44 E-05	7.33 E-04	1.28 E-06
571133	1.13 E+00	7.46 E-02	9.83 E-01	6.34 E-02	3.41 E-01	1.71 E-02	1.48 E-02	1.22 E-03
571134	8.80 E-01	5.83 E-02	7.65 E-01	4.94 E-02	2.65 E-01	1.32 E-02	1.14 E-02	9.43 E-04

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	571135	9.33 E+00	2.19 E-02	9.25 E+00	1.85 E-02	6.73 E+00	4.87 E-03	2.07 E-01	3.42 E-04
2	571136	2.32 E+01	3.53 E-03	1.97 E+01	2.99 E-03	1.28 E+01	8.22 E-04	4.12 E-01	5.54 E-05
3	571137	1.77 E+01	2.52 E-03	1.33 E+01	2.15 E-03	7.53 E+00	5.83 E-04	2.59 E-01	3.98 E-05
4	571138	1.01 E+01	1.63 E-03	6.83 E+00	1.38 E-03	3.37 E+00	3.70 E-04	1.25 E-01	2.58 E-05
5	571139	5.05 E+00	9.53 E-04	3.09 E+00	8.05 E-04	1.31 E+00	2.15 E-04	5.24 E-02	1.52 E-05
6	571140	6.37 E+00	6.25 E-03	5.00 E+00	5.30 E-03	1.42 E+00	1.41 E-03	5.13 E-02	9.86 E-05
7	571141	5.53 E+00	8.81 E-03	4.53 E+00	7.39 E-03	1.12 E+00	1.90 E-03	3.80 E-02	1.35 E-04
8	571142	4.20 E+00	8.99 E-03	2.95 E+00	7.55 E-03	6.75 E-01	1.94 E-03	2.39 E-02	1.37 E-04
9	571143	2.76 E+00	5.46 E-03	1.15 E+00	4.58 E-03	2.02 E-01	1.18 E-03	7.58 E-03	8.36 E-05
10	571144	3.09 E+00	2.31 E-03	8.24 E-01	1.93 E-03	7.64 E-02	5.02 E-04	3.38 E-03	3.57 E-05
11	571145	4.12 E+00	8.25 E-04	1.04 E+00	6.97 E-04	7.77 E-02	1.84 E-04	3.69 E-03	1.32 E-05
12	571146	5.28 E+00	4.39 E-05	1.30 E+00	4.22 E-05	8.40 E-02	1.57 E-05	4.09 E-03	1.39 E-06
13	571147	6.51 E+00	3.92 E-05	1.58 E+00	3.84 E-05	9.60 E-02	1.47 E-05	4.77 E-03	1.32 E-06
14	571148	7.78 E+00	1.00 E+00	1.87 E+00	1.00 E+00	1.08 E-01	1.00 E+00	5.44 E-03	1.00 E+00
15	571149	9.00 E+00	1.00 E+00	2.15 E+00	1.00 E+00	1.21 E-01	1.00 E+00	6.16 E-03	1.00 E+00
16	571150	8.94 E+00	3.47 E-05	2.14 E+00	3.46 E-05	1.20 E-01	1.38 E-05	6.11 E-03	1.26 E-06
17	571151	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
18	571152	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
19	571153	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
20	571154	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
21	571155	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
22	571156	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
23	572128	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
24	572129	1.20 E+03	3.40 E-05	2.81 E+02	3.40 E-05	1.33 E+01	1.36 E-05	7.44 E-01	1.24 E-06
25	572130	1.62 E+03	3.40 E-05	3.80 E+02	3.40 E-05	1.80 E+01	1.36 E-05	1.00 E+00	1.24 E-06
26	572131	1.40 E+03	3.40 E-05	3.29 E+02	3.40 E-05	1.56 E+01	1.36 E-05	8.71 E-01	1.24 E-06
27	572132	6.29 E-02	3.44 E-05	6.29 E-02	3.44 E-05	2.28 E-02	1.38 E-05	6.45 E-04	1.25 E-06
28	572133	4.47 E-01	2.82 E-02	3.93 E-01	2.38 E-02	1.37 E-01	6.27 E-03	5.71 E-03	4.42 E-04
29	572134	6.78 E-01	4.45 E-02	5.91 E-01	3.76 E-02	2.04 E-01	1.00 E-02	8.74 E-03	7.10 E-04
30	572135	4.44 E-01	2.83 E-02	3.90 E-01	2.39 E-02	1.34 E-01	6.27 E-03	5.64 E-03	4.43 E-04
31	572136	1.36 E+00	9.22 E-03	1.33 E+00	7.73 E-03	9.25 E-01	1.99 E-03	2.86 E-02	1.41 E-04
32	572137	4.68 E+00	5.22 E-03	3.25 E+00	4.38 E-03	1.64 E+00	1.13 E-03	5.96 E-02	8.01 E-05
33	572138	4.74 E+00	2.79 E-03	3.07 E+00	2.35 E-03	1.40 E+00	6.12 E-04	5.39 E-02	4.32 E-05
34	572139	9.28 E+01	6.01 E-03	9.11 E+01	5.05 E-03	2.23 E+01	1.30 E-03	6.91 E-01	9.21 E-05
35	572140	4.85 E+01	1.15 E-02	4.62 E+01	9.80 E-03	1.12 E+01	2.52 E-03	3.61 E-01	1.78 E-04
36	572141	1.47 E+01	1.19 E-02	1.34 E+01	1.01 E-02	3.23 E+00	2.61 E-03	1.06 E-01	1.85 E-04

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
572142	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
572143	2.88 E+00	6.74 E-03	1.36 E+00	5.66 E-03	2.55 E-01	1.46 E-03	9.13 E-03	1.03 E-04
572144	2.97 E+00	3.79 E-03	8.59 E-01	3.19 E-03	9.50 E-02	8.23 E-04	4.00 E-03	5.84 E-05
572145	3.87 E+00	1.75 E-03	1.00 E+00	1.48 E-03	8.17 E-02	3.85 E-04	3.83 E-03	2.75 E-05
572146	4.96 E+00	6.96 E-04	1.25 E+00	5.89 E-04	9.07 E-02	1.56 E-04	4.43 E-03	1.13 E-05
572147	6.00 E+00	2.76 E-04	1.50 E+00	2.37 E-04	1.02 E-01	6.58 E-05	5.07 E-03	4.93 E-06
572148	7.14 E+00	3.91 E-05	1.74 E+00	3.83 E-05	1.08 E-01	1.47 E-05	5.42 E-03	1.32 E-06
572149	8.27 E+00	3.56 E-05	1.98 E+00	3.53 E-05	1.13 E-01	1.40 E-05	5.73 E-03	1.27 E-06
572150	8.44 E+00	4.65 E-04	2.02 E+00	4.64 E-04	1.15 E-01	5.72 E-05	5.84 E-03	4.05 E-06
572151	8.00 E+00	3.43 E-05	1.92 E+00	3.43 E-05	1.10 E-01	1.37 E-05	5.54 E-03	1.25 E-06
572152	6.15 E-02	3.41 E-05	6.15 E-02	3.41 E-05	2.17 E-02	1.36 E-05	6.14 E-04	1.25 E-06
572153	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
572154	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
572155	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
572156	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
573128	6.14 E-02	3.40 E-05	6.14 E-02	3.40 E-05	2.17 E-02	1.36 E-05	6.12 E-04	1.24 E-06
573129	2.75 E+03	3.40 E-05	6.45 E+02	3.40 E-05	3.05 E+01	1.36 E-05	1.71 E+00	1.24 E-06
573130	3.64 E+03	3.40 E-05	8.53 E+02	3.40 E-05	4.03 E+01	1.36 E-05	2.26 E+00	1.24 E-06
573131	3.38 E+03	3.40 E-05	7.92 E+02	3.40 E-05	3.75 E+01	1.36 E-05	2.09 E+00	1.24 E-06
573132	6.18 E-02	3.41 E-05	6.18 E-02	3.41 E-05	2.20 E-02	1.37 E-05	6.20 E-04	1.25 E-06
573133	1.56 E-01	7.13 E-03	1.43 E-01	5.99 E-03	5.02 E-02	1.55 E-03	1.87 E-03	1.10 E-04
573134	3.13 E+00	1.00 E+00	3.09 E+00	1.00 E+00	6.32 E-01	3.54 E-01	6.01 E-02	2.31 E-02
573135	3.58 E-01	2.20 E-02	3.16 E-01	1.85 E-02	1.09 E-01	4.86 E-03	4.51 E-03	3.43 E-04
573136	3.19 E-01	1.00 E+00	2.95 E-01	1.00 E+00	8.85 E-02	1.00 E+00	4.61 E-03	9.86 E-02
573137	1.14 E+01	1.00 E+00	1.13 E+01	1.00 E+00	2.22 E+00	1.00 E+00	2.46 E-01	8.82 E-02
573138	7.90 E+01	2.53 E-03	7.85 E+01	2.13 E-03	1.89 E+01	5.53 E-04	5.78 E-01	3.93 E-05
573139	4.96 E+01	3.18 E-03	4.89 E+01	2.68 E-03	1.18 E+01	6.92 E-04	3.64 E-01	4.91 E-05
573140	1.01 E+01	5.40 E-03	9.54 E+00	4.53 E-03	2.33 E+00	1.17 E-03	7.36 E-02	8.27 E-05
573141	2.40 E+00	5.08 E-03	1.88 E+00	4.27 E-03	4.45 E-01	1.10 E-03	1.46 E-02	7.80 E-05
573142	6.14 E-02	3.61 E-05	6.14 E-02	3.61 E-05	2.17 E-02	1.43 E-05	6.12 E-04	1.30 E-06
573143	1.98 E+00	4.56 E-03	7.45 E-01	3.84 E-03	1.20 E-01	9.89 E-04	4.97 E-03	7.00 E-05
573144	4.05 E+00	3.64 E-03	1.72 E+00	3.06 E-03	3.02 E-01	7.91 E-04	1.56 E-02	5.61 E-05
573145	3.54 E+00	2.23 E-03	1.02 E+00	1.88 E-03	1.09 E-01	4.86 E-04	5.30 E-03	3.46 E-05
573146	4.24 E+00	1.32 E-03	1.06 E+00	1.11 E-03	7.40 E-02	2.89 E-04	3.46 E-03	2.08 E-05
573147	5.29 E+00	4.74 E-04	1.29 E+00	4.03 E-04	8.20 E-02	1.09 E-04	3.96 E-03	7.96 E-06
573148	6.34 E+00	1.29 E-04	1.54 E+00	1.14 E-04	9.38 E-02	3.44 E-05	4.64 E-03	2.71 E-06

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
573149	7.40 E+00	3.80 E-05	1.79 E+00	3.76 E-05	1.05 E-01	1.47 E-05	5.25 E-03	1.33 E-06
573150	7.69 E+00	3.97 E-05	1.87 E+00	3.91 E-05	1.13 E-01	1.51 E-05	5.73 E-03	1.36 E-06
573151	7.31 E+00	8.27 E-04	1.78 E+00	8.27 E-04	1.06 E-01	1.16 E-04	5.60 E-03	7.86 E-06
573152	6.37 E-02	3.46 E-03	6.33 E-02	3.46 E-03	2.22 E-02	4.24 E-04	6.39 E-04	2.79 E-05
573153	6.18 E-02	3.62 E-05	6.17 E-02	3.62 E-05	2.18 E-02	1.43 E-05	6.18 E-04	1.31 E-06
573154	6.14 E-02	3.61 E-05	6.14 E-02	3.61 E-05	2.17 E-02	1.43 E-05	6.12 E-04	1.30 E-06
573155	6.14 E-02	3.61 E-05	6.14 E-02	3.61 E-05	2.17 E-02	1.43 E-05	6.12 E-04	1.30 E-06
573156	6.14 E-02	3.61 E-05	6.14 E-02	3.61 E-05	2.17 E-02	1.43 E-05	6.12 E-04	1.30 E-06
574128	6.14 E-02	3.61 E-05	6.14 E-02	3.61 E-05	2.17 E-02	1.43 E-05	6.12 E-04	1.30 E-06
574129	4.22 E+03	3.61 E-05	9.88 E+02	3.61 E-05	4.67 E+01	1.43 E-05	2.61 E+00	1.30 E-06
574130	5.72 E+03	3.61 E-05	1.34 E+03	3.61 E-05	6.33 E+01	1.43 E-05	3.54 E+00	1.30 E-06
574131	5.61 E+03	3.61 E-05	1.31 E+03	3.61 E-05	6.21 E+01	1.43 E-05	3.47 E+00	1.30 E-06
574132	4.14 E+03	3.61 E-05	9.70 E+02	3.61 E-05	4.59 E+01	1.43 E-05	2.57 E+00	1.30 E-06
574133	6.18 E-02	3.62 E-05	6.18 E-02	3.62 E-05	2.20 E-02	1.44 E-05	6.21 E-04	1.31 E-06
574134	1.46 E-01	6.39 E-03	1.34 E-01	5.38 E-03	4.70 E-02	1.39 E-03	1.73 E-03	9.81 E-05
574135	2.05 E-01	2.50 E-01	1.85 E-01	2.48 E-01	6.44 E-02	1.06 E-01	2.51 E-03	6.89 E-03
574136	9.15 E-01	9.61 E-01	6.42 E-01	9.60 E-01	2.19 E-01	5.32 E-01	1.28 E-02	3.43 E-02
574137	9.51 E-02	2.53 E-03	9.05 E-02	2.13 E-03	3.19 E-02	5.53 E-04	1.06 E-03	3.93 E-05
574138	7.64 E-02	1.11 E-03	7.44 E-02	9.42 E-04	2.64 E-02	2.47 E-04	8.13 E-04	1.77 E-05
574139	6.22 E-02	2.66 E-01	6.22 E-02	2.66 E-01	2.22 E-02	6.35 E-02	6.26 E-04	4.11 E-03
574140	2.44 E-01	2.36 E-04	1.06 E-01	2.04 E-04	2.50 E-02	5.74 E-05	7.72 E-04	4.34 E-06
574141	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
574142	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
574143	1.34 E+00	2.08 E-03	3.92 E-01	1.75 E-03	4.77 E-02	4.55 E-04	1.87 E-03	3.24 E-05
574144	2.13 E+00	2.28 E-03	6.25 E-01	1.92 E-03	7.31 E-02	4.97 E-04	3.26 E-03	3.53 E-05
574145	3.81 E+00	2.02 E-03	1.41 E+00	1.70 E-03	2.17 E-01	4.42 E-04	1.14 E-02	3.15 E-05
574146	3.61 E+00	1.29 E-03	9.13 E-01	1.09 E-03	6.93 E-02	2.84 E-04	3.18 E-03	2.04 E-05
574147	4.48 E+00	5.36 E-04	1.10 E+00	4.55 E-04	7.31 E-02	1.22 E-04	3.44 E-03	8.90 E-06
574148	5.43 E+00	1.75 E-04	1.32 E+00	1.54 E-04	8.23 E-02	4.44 E-05	3.98 E-03	3.43 E-06
574149	6.39 E+00	3.69 E-05	1.54 E+00	3.68 E-05	9.24 E-02	1.45 E-05	4.55 E-03	1.32 E-06
574150	6.76 E+00	4.05 E-05	1.66 E+00	3.98 E-05	1.06 E-01	1.53 E-05	5.31 E-03	1.37 E-06
574151	6.37 E+00	4.00 E-05	1.57 E+00	3.94 E-05	1.01 E-01	1.52 E-05	5.06 E-03	1.36 E-06
574152	8.72 E-02	3.06 E-03	8.23 E-02	3.06 E-03	2.72 E-02	3.40 E-04	9.01 E-04	2.24 E-05
574153	6.87 E-02	3.66 E-05	6.74 E-02	3.66 E-05	2.35 E-02	1.44 E-05	6.99 E-04	1.31 E-06
574154	6.25 E-02	3.62 E-05	6.24 E-02	3.61 E-05	2.23 E-02	1.43 E-05	6.31 E-04	1.31 E-06
574155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
574156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
575128	3.24 E+03	3.61 E-05	7.59 E+02	3.61 E-05	3.59 E+01	1.43 E-05	2.01 E+00	1.30 E-06
575129	5.20 E+03	3.61 E-05	1.22 E+03	3.61 E-05	5.76 E+01	1.43 E-05	3.22 E+00	1.30 E-06
575130	7.16 E+03	3.61 E-05	1.68 E+03	3.61 E-05	7.93 E+01	1.43 E-05	4.44 E+00	1.30 E-06
575131	7.44 E+03	3.61 E-05	1.74 E+03	3.61 E-05	8.24 E+01	1.43 E-05	4.61 E+00	1.30 E-06
575132	5.99 E+03	3.61 E-05	1.40 E+03	3.61 E-05	6.64 E+01	1.43 E-05	3.72 E+00	1.30 E-06
575133	3.84 E+03	3.62 E-05	9.00 E+02	3.61 E-05	4.26 E+01	1.44 E-05	2.38 E+00	1.31 E-06
575134	6.24 E-02	3.62 E-05	6.24 E-02	3.62 E-05	2.24 E-02	1.44 E-05	6.33 E-04	1.31 E-06
575135	1.42 E-01	1.00 E+00	1.42 E-01	1.00 E+00	8.01 E-02	2.31 E-01	3.25 E-03	1.50 E-02
575136	1.70 E-01	4.69 E-01	1.70 E-01	4.69 E-01	1.01 E-01	5.15 E-02	4.22 E-03	3.34 E-03
575137	6.86 E-02	2.57 E-03	6.77 E-02	2.49 E-03	2.41 E-02	1.30 E-03	7.11 E-04	8.48 E-05
575138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
575139	6.22 E-02	3.91 E-05	6.22 E-02	3.87 E-05	2.22 E-02	1.47 E-05	6.26 E-04	1.34 E-06
575140	6.27 E-02	7.88 E-05	6.26 E-02	7.19 E-05	2.24 E-02	2.35 E-05	6.33 E-04	1.95 E-06
575141	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
575142	6.23 E-02	4.45 E-05	6.23 E-02	4.32 E-05	2.23 E-02	1.62 E-05	6.28 E-04	1.43 E-06
575143	7.23 E-02	6.89 E-04	7.04 E-02	5.84 E-04	2.49 E-02	1.55 E-04	7.45 E-04	1.12 E-05
575144	9.74 E-02	1.05 E-03	8.41 E-02	8.86 E-04	2.81 E-02	2.33 E-04	8.99 E-04	1.67 E-05
575145	2.36 E+00	1.34 E-03	6.62 E-01	1.13 E-03	6.94 E-02	2.95 E-04	3.18 E-03	2.10 E-05
575146	2.91 E+00	1.02 E-03	7.51 E-01	8.59 E-04	6.11 E-02	2.26 E-04	2.75 E-03	1.62 E-05
575147	3.67 E+00	4.70 E-04	9.09 E-01	4.01 E-04	6.39 E-02	1.08 E-04	2.94 E-03	7.91 E-06
575148	4.37 E+00	2.08 E-04	1.07 E+00	1.80 E-04	7.07 E-02	5.12 E-05	3.33 E-03	3.90 E-06
575149	5.16 E+00	8.81 E-05	1.25 E+00	7.97 E-05	7.89 E-02	2.56 E-05	3.80 E-03	2.09 E-06
575150	5.68 E+00	3.73 E-05	1.38 E+00	3.71 E-05	8.66 E-02	1.46 E-05	4.22 E-03	1.32 E-06
575151	1.07 E+01	3.90 E-05	2.57 E+00	3.85 E-05	1.46 E-01	1.49 E-05	7.59 E-03	1.35 E-06
575152	1.12 E-01	3.99 E-05	1.02 E-01	3.93 E-05	3.21 E-02	1.51 E-05	1.17 E-03	1.36 E-06
575153	7.81 E-02	3.74 E-05	7.50 E-02	3.71 E-05	2.54 E-02	1.46 E-05	8.02 E-04	1.32 E-06
575154	6.29 E-02	3.62 E-05	6.27 E-02	3.62 E-05	2.24 E-02	1.43 E-05	6.35 E-04	1.31 E-06
575155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
575156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
576126	1.62 E+03	6.03 E-13	3.80 E+02	6.03 E-13	1.80 E+01	3.58 E-13	1.00 E+00	1.52 E-14
576127	2.68 E+03	5.76 E-12	6.28 E+02	5.76 E-12	2.97 E+01	3.42 E-12	1.66 E+00	1.45 E-13
576128	4.62 E+03	3.61 E-05	1.08 E+03	3.61 E-05	5.12 E+01	1.43 E-05	2.86 E+00	1.30 E-06
576129	5.52 E+03	3.61 E-05	1.29 E+03	3.61 E-05	6.11 E+01	1.43 E-05	3.42 E+00	1.30 E-06
576130	7.83 E+03	3.61 E-05	1.83 E+03	3.61 E-05	8.67 E+01	1.43 E-05	4.85 E+00	1.30 E-06
576131	8.27 E+03	3.61 E-05	1.94 E+03	3.61 E-05	9.16 E+01	1.43 E-05	5.13 E+00	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
576132	6.72 E+03	3.61 E-05	1.57 E+03	3.61 E-05	7.44 E+01	1.43 E-05	4.16 E+00	1.30 E-06
576133	4.17 E+03	3.61 E-05	9.76 E+02	3.61 E-05	4.62 E+01	1.43 E-05	2.58 E+00	1.31 E-06
576134	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.23 E-02	1.43 E-05	6.28 E-04	1.30 E-06
576135	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.23 E-02	1.43 E-05	6.27 E-04	1.30 E-06
576136	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
576137	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
576138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
576139	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
576140	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
576141	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
576142	6.22 E-02	3.65 E-05	6.22 E-02	3.64 E-05	2.22 E-02	1.44 E-05	6.26 E-04	1.31 E-06
576143	6.50 E-02	2.29 E-04	6.44 E-02	1.98 E-04	2.30 E-02	5.58 E-05	6.60 E-04	4.23 E-06
576144	7.07 E-02	4.67 E-04	6.83 E-02	3.98 E-04	2.41 E-02	1.07 E-04	7.12 E-04	7.85 E-06
576145	1.17 E-01	7.02 E-04	8.88 E-02	5.95 E-04	2.80 E-02	1.58 E-04	9.18 E-04	1.14 E-05
576146	1.37 E-01	7.46 E-04	9.88 E-02	6.31 E-04	3.00 E-02	1.67 E-04	1.02 E-03	1.21 E-05
576147	1.91 E-01	4.00 E-04	1.46 E-01	3.41 E-04	4.13 E-02	9.27 E-05	1.67 E-03	6.83 E-06
576148	6.62 E-02	2.11 E-04	6.51 E-02	1.83 E-04	2.31 E-02	5.20 E-05	6.67 E-04	3.96 E-06
576149	6.33 E-02	1.04 E-04	6.30 E-02	9.32 E-05	2.25 E-02	2.90 E-05	6.38 E-04	2.34 E-06
576150	4.59 E+00	6.40 E-05	1.12 E+00	5.95 E-05	7.27 E-02	2.04 E-05	3.45 E-03	1.73 E-06
576151	6.84 E-02	3.67 E-05	6.71 E-02	3.66 E-05	2.35 E-02	1.44 E-05	6.94 E-04	1.31 E-06
576152	9.82 E-02	3.88 E-05	9.12 E-02	3.84 E-05	2.94 E-02	1.49 E-05	1.02 E-03	1.35 E-06
576153	7.26 E-02	3.69 E-05	7.05 E-02	3.68 E-05	2.43 E-02	1.45 E-05	7.42 E-04	1.32 E-06
576154	6.27 E-02	3.62 E-05	6.26 E-02	3.62 E-05	2.23 E-02	1.43 E-05	6.33 E-04	1.31 E-06
576155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
576156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
577123	8.16 E+02	0.00 E+00	1.91 E+02	0.00 E+00	9.04 E+00	0.00 E+00	5.06 E-01	0.00 E+00
577124	1.24 E+03	0.00 E+00	2.90 E+02	0.00 E+00	1.37 E+01	0.00 E+00	7.67 E-01	0.00 E+00
577125	1.85 E+03	2.30 E-13	4.34 E+02	2.30 E-13	2.05 E+01	1.37 E-13	1.15 E+00	5.82 E-15
577126	2.66 E+03	2.09 E-12	6.24 E+02	2.09 E-12	2.95 E+01	1.24 E-12	1.65 E+00	5.28 E-14
577127	3.63 E+03	1.46 E-11	8.50 E+02	1.46 E-11	4.02 E+01	8.66 E-12	2.25 E+00	3.69 E-13
577128	5.72 E+03	3.61 E-05	1.34 E+03	3.61 E-05	6.33 E+01	1.43 E-05	3.54 E+00	1.30 E-06
577129	6.55 E+03	3.61 E-05	1.53 E+03	3.61 E-05	7.26 E+01	1.43 E-05	4.06 E+00	1.30 E-06
577130	8.10 E+03	3.61 E-05	1.90 E+03	3.61 E-05	8.98 E+01	1.43 E-05	5.02 E+00	1.30 E-06
577131	7.66 E+03	3.61 E-05	1.79 E+03	3.61 E-05	8.49 E+01	1.43 E-05	4.75 E+00	1.30 E-06
577132	5.88 E+03	3.61 E-05	1.38 E+03	3.61 E-05	6.52 E+01	1.43 E-05	3.65 E+00	1.30 E-06
577133	3.52 E+03	3.61 E-05	8.26 E+02	3.61 E-05	3.91 E+01	1.43 E-05	2.18 E+00	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	577134	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.23 E-02	1.43 E-05	6.27 E-04	1.30 E-06
2	577135	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
3	577136	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
4	577137	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
5	577138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
6	577139	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
7	577140	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
8	577141	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
9	577142	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
10	577143	6.33 E-02	1.15 E-04	6.31 E-02	1.02 E-04	2.25 E-02	3.14 E-05	6.40 E-04	2.51 E-06
11	577144	6.52 E-02	2.28 E-04	6.45 E-02	1.97 E-04	2.30 E-02	5.57 E-05	6.61 E-04	4.22 E-06
12	577145	1.12 E-01	3.57 E-04	9.28 E-02	3.05 E-04	2.93 E-02	8.35 E-05	1.01 E-03	6.18 E-06
13	577146	8.47 E-01	4.12 E-04	5.64 E-01	3.52 E-04	1.34 E-01	9.55 E-05	6.86 E-03	7.02 E-06
14	577147	6.19 E-01	3.31 E-04	4.23 E-01	2.83 E-04	1.03 E-01	7.78 E-05	5.12 E-03	5.79 E-06
15	577148	9.27 E-02	1.95 E-04	8.18 E-02	1.70 E-04	2.68 E-02	4.86 E-05	8.73 E-04	3.72 E-06
16	577149	6.38 E-02	1.12 E-04	6.33 E-02	9.95 E-05	2.26 E-02	3.06 E-05	6.41 E-04	2.45 E-06
17	577150	6.29 E-02	7.07 E-05	6.26 E-02	6.51 E-05	2.24 E-02	2.18 E-05	6.32 E-04	1.83 E-06
18	577151	6.67 E-02	5.32 E-05	6.57 E-02	5.05 E-05	2.31 E-02	1.80 E-05	6.75 E-04	1.57 E-06
19	577152	1.04 E-01	9.56 E-04	1.00 E-01	9.56 E-04	2.81 E-02	1.36 E-04	1.28 E-03	9.13 E-06
20	577153	6.59 E-02	3.64 E-05	6.52 E-02	3.64 E-05	2.30 E-02	1.44 E-05	6.69 E-04	1.31 E-06
21	577154	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
22	577155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
23	577156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
24	578122	8.71 E+02	1.09 E-15	2.04 E+02	1.09 E-15	9.66 E+00	6.45 E-16	5.40 E-01	2.75 E-17
25	578123	1.30 E+03	1.00 E-14	3.04 E+02	1.00 E-14	1.44 E+01	5.95 E-15	8.05 E-01	2.53 E-16
26	578124	1.92 E+03	9.22 E-14	4.50 E+02	9.22 E-14	2.13 E+01	5.47 E-14	1.19 E+00	2.33 E-15
27	578125	2.71 E+03	7.68 E-13	6.34 E+02	7.68 E-13	3.00 E+01	4.56 E-13	1.68 E+00	1.94 E-14
28	578126	3.32 E+03	4.92 E-12	7.79 E+02	4.92 E-12	3.68 E+01	2.92 E-12	2.06 E+00	1.24 E-13
29	578127	4.83 E+03	2.79 E-11	1.13 E+03	2.79 E-11	5.35 E+01	1.66 E-11	2.99 E+00	7.04 E-13
30	578128	6.38 E+03	3.61 E-05	1.50 E+03	3.61 E-05	7.07 E+01	1.43 E-05	3.96 E+00	1.30 E-06
31	578129	7.99 E+03	3.61 E-05	1.87 E+03	3.61 E-05	8.86 E+01	1.43 E-05	4.95 E+00	1.30 E-06
32	578130	7.27 E+03	3.61 E-05	1.70 E+03	3.61 E-05	8.06 E+01	1.43 E-05	4.51 E+00	1.30 E-06
33	578131	6.27 E+03	3.61 E-05	1.47 E+03	3.61 E-05	6.95 E+01	1.43 E-05	3.89 E+00	1.30 E-06
34	578132	4.57 E+03	3.61 E-05	1.07 E+03	3.61 E-05	5.06 E+01	1.43 E-05	2.83 E+00	1.30 E-06
35	578133	3.09 E+03	3.61 E-05	7.24 E+02	3.61 E-05	3.43 E+01	1.43 E-05	1.92 E+00	1.30 E-06
36	578134	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	578135	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
2	578136	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
3	578137	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
4	578138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
5	578139	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
6	578140	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
7	578141	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
8	578142	6.22 E-02	3.75 E-05	6.22 E-02	3.72 E-05	2.22 E-02	1.46 E-05	6.26 E-04	1.32 E-06
9	578143	6.27 E-02	7.05 E-05	6.26 E-02	6.49 E-05	2.24 E-02	2.17 E-05	6.32 E-04	1.83 E-06
10	578144	6.36 E-02	1.28 E-04	6.33 E-02	1.13 E-04	2.26 E-02	3.42 E-05	6.42 E-04	2.70 E-06
11	578145	7.22 E-02	1.98 E-04	6.88 E-02	1.71 E-04	2.39 E-02	4.92 E-05	7.12 E-04	3.76 E-06
12	578146	4.06 E-01	2.53 E-04	2.84 E-01	2.18 E-04	7.21 E-02	6.12 E-05	3.40 E-03	4.61 E-06
13	578147	9.58 E-01	2.43 E-04	6.41 E-01	2.11 E-04	1.52 E-01	5.91 E-05	7.84 E-03	4.47 E-06
14	578148	2.30 E-01	1.87 E-04	1.70 E-01	1.64 E-04	4.65 E-02	4.70 E-05	1.98 E-03	3.61 E-06
15	578149	6.56 E-02	1.24 E-04	6.44 E-02	1.10 E-04	2.28 E-02	3.32 E-05	6.56 E-04	2.64 E-06
16	578150	6.30 E-02	7.73 E-05	6.27 E-02	7.07 E-05	2.24 E-02	2.32 E-05	6.34 E-04	1.93 E-06
17	578151	6.36 E-02	5.51 E-05	6.32 E-02	5.22 E-05	2.25 E-02	1.84 E-05	6.41 E-04	1.59 E-06
18	578152	6.82 E-02	1.63 E-03	6.70 E-02	1.63 E-03	2.34 E-02	2.45 E-04	6.92 E-04	1.61 E-05
19	578153	6.31 E-02	3.62 E-05	6.29 E-02	3.62 E-05	2.24 E-02	1.43 E-05	6.38 E-04	1.31 E-06
20	578154	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
21	578155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
22	578156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
23	579121	8.55 E+02	6.34 E-16	2.00 E+02	6.34 E-16	9.47 E+00	3.76 E-16	5.30 E-01	1.60 E-17
24	579122	1.28 E+03	5.11 E-15	3.00 E+02	5.11 E-15	1.42 E+01	3.03 E-15	7.95 E-01	1.29 E-16
25	579123	1.83 E+03	4.15 E-14	4.28 E+02	4.15 E-14	2.02 E+01	2.46 E-14	1.13 E+00	1.05 E-15
26	579124	2.55 E+03	2.76 E-13	5.98 E+02	2.76 E-13	2.83 E+01	1.64 E-13	1.58 E+00	6.96 E-15
27	579125	3.50 E+03	1.55 E-12	8.19 E+02	1.55 E-12	3.87 E+01	9.21 E-13	2.17 E+00	3.92 E-14
28	579126	4.00 E+03	3.28 E-11	9.37 E+02	2.90 E-11	4.43 E+01	1.03 E-11	2.48 E+00	5.87 E-13
29	579127	5.52 E+03	3.52 E-11	1.29 E+03	3.52 E-11	6.11 E+01	2.09 E-11	3.42 E+00	8.89 E-13
30	579128	6.88 E+03	3.61 E-05	1.61 E+03	3.61 E-05	7.63 E+01	1.43 E-05	4.27 E+00	1.30 E-06
31	579129	7.77 E+03	3.61 E-05	1.82 E+03	3.61 E-05	8.61 E+01	1.43 E-05	4.82 E+00	1.30 E-06
32	579130	7.71 E+03	5.25 E-05	1.81 E+03	5.25 E-05	8.55 E+01	2.26 E-05	4.78 E+00	1.68 E-06
33	579131	6.44 E+03	3.61 E-05	1.51 E+03	3.61 E-05	7.13 E+01	1.43 E-05	3.99 E+00	1.30 E-06
34	579132	4.48 E+03	3.61 E-05	1.05 E+03	3.61 E-05	4.97 E+01	1.43 E-05	2.78 E+00	1.30 E-06
35	579133	2.53 E+03	3.61 E-05	5.92 E+02	3.61 E-05	2.80 E+01	1.43 E-05	1.57 E+00	1.30 E-06
36	579134	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
579135	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579136	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579137	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579139	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579140	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579141	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579142	6.29 E-02	6.20 E-05	6.25 E-02	5.79 E-05	2.23 E-02	1.99 E-05	6.31 E-04	1.70 E-06
579143	6.31 E-02	7.54 E-05	6.27 E-02	6.91 E-05	2.24 E-02	2.28 E-05	6.33 E-04	1.90 E-06
579144	6.29 E-02	7.96 E-05	6.27 E-02	7.26 E-05	2.24 E-02	2.37 E-05	6.34 E-04	1.97 E-06
579145	6.47 E-02	1.21 E-04	6.39 E-02	1.08 E-04	2.27 E-02	3.27 E-05	6.49 E-04	2.60 E-06
579146	2.73 E-01	1.65 E-04	1.99 E-01	1.45 E-04	5.29 E-02	4.21 E-05	2.33 E-03	3.26 E-06
579147	6.69 E-01	1.95 E-04	4.55 E-01	1.69 E-04	1.10 E-01	4.84 E-05	5.54 E-03	3.71 E-06
579148	1.55 E-01	1.60 E-04	1.22 E-01	1.40 E-04	3.57 E-02	4.11 E-05	1.37 E-03	3.19 E-06
579149	6.45 E-02	1.12 E-04	6.37 E-02	9.94 E-05	2.27 E-02	3.06 E-05	6.47 E-04	2.45 E-06
579150	6.29 E-02	7.45 E-05	6.27 E-02	6.84 E-05	2.24 E-02	2.26 E-05	6.33 E-04	1.89 E-06
579151	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579152	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579153	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579154	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
579156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580057	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
580067	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
580077	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
580087	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
580097	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
580107	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
580120	8.21 E+02	4.15 E-16	1.92 E+02	4.15 E-16	9.10 E+00	2.46 E-16	5.09 E-01	1.05 E-17
580121	1.19 E+03	2.33 E-15	2.78 E+02	2.33 E-15	1.32 E+01	1.38 E-15	7.36 E-01	5.88 E-17
580122	1.66 E+03	1.42 E-14	3.89 E+02	1.42 E-14	1.84 E+01	8.41 E-15	1.03 E+00	3.58 E-16
580123	2.27 E+03	1.04 E-13	5.32 E+02	1.04 E-13	2.52 E+01	6.16 E-14	1.41 E+00	2.62 E-15
580124	3.07 E+03	6.15 E-10	7.19 E+02	5.33 E-10	3.40 E+01	1.28 E-10	1.90 E+00	9.29 E-12
580125	3.94 E+03	2.38 E-10	9.23 E+02	2.01 E-10	4.37 E+01	5.29 E-11	2.44 E+00	3.67 E-12
580126	4.39 E+03	1.02 E-10	1.03 E+03	8.70 E-11	4.86 E+01	2.55 E-11	2.72 E+00	1.65 E-12
580127	5.77 E+03	6.25 E-11	1.35 E+03	5.80 E-11	6.40 E+01	2.63 E-11	3.58 E+00	1.29 E-12

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
580128	6.55 E+03	3.61 E-05	1.53 E+03	3.61 E-05	7.26 E+01	1.43 E-05	4.06 E+00	1.30 E-06
580129	6.88 E+03	3.61 E-05	1.61 E+03	3.61 E-05	7.63 E+01	1.43 E-05	4.27 E+00	1.30 E-06
580130	6.55 E+03	3.61 E-05	1.53 E+03	3.61 E-05	7.26 E+01	1.43 E-05	4.06 E+00	1.30 E-06
580131	5.37 E+03	3.63 E-05	1.26 E+03	3.63 E-05	5.95 E+01	1.44 E-05	3.33 E+00	1.31 E-06
580132	3.60 E+03	3.61 E-05	8.42 E+02	3.61 E-05	3.99 E+01	1.43 E-05	2.23 E+00	1.30 E-06
580133	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580134	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580135	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580136	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580137	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580139	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580140	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580141	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580142	6.32 E-02	7.27 E-05	6.27 E-02	6.70 E-05	2.24 E-02	2.23 E-05	6.33 E-04	1.86 E-06
580143	6.33 E-02	7.94 E-05	6.28 E-02	7.26 E-05	2.24 E-02	2.37 E-05	6.34 E-04	1.97 E-06
580144	6.31 E-02	7.74 E-05	6.27 E-02	7.08 E-05	2.24 E-02	2.32 E-05	6.34 E-04	1.93 E-06
580145	6.71 E-02	1.03 E-04	6.53 E-02	9.26 E-05	2.30 E-02	2.88 E-05	6.66 E-04	2.33 E-06
580146	1.64 E-01	1.38 E-04	1.28 E-01	1.22 E-04	3.70 E-02	3.62 E-05	1.44 E-03	2.85 E-06
580147	2.39 E-01	1.59 E-03	1.85 E-01	1.57 E-03	4.68 E-02	2.16 E-04	2.32 E-03	1.46 E-05
580148	7.64 E-02	1.18 E-04	7.14 E-02	1.05 E-04	2.44 E-02	3.21 E-05	7.42 E-04	2.56 E-06
580149	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580150	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580151	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580152	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580153	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580154	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
580157	6.33 E-04	2.52 E-07	6.33 E-04	2.52 E-07	3.70 E-04	1.01 E-07	1.04 E-05	9.06 E-09
580167	6.33 E-04	2.51 E-07	6.33 E-04	2.51 E-07	3.70 E-04	1.01 E-07	1.04 E-05	9.04 E-09
580177	6.33 E-04	2.51 E-07	6.33 E-04	2.51 E-07	3.70 E-04	1.01 E-07	1.04 E-05	9.04 E-09
580187	6.33 E-04	2.51 E-07	6.33 E-04	2.51 E-07	3.70 E-04	1.01 E-07	1.04 E-05	9.04 E-09
580197	6.24 E-04	2.51 E-07	6.24 E-04	2.51 E-07	3.64 E-04	1.01 E-07	1.02 E-05	9.04 E-09
580207	6.24 E-04	2.51 E-07	6.24 E-04	2.51 E-07	3.64 E-04	1.01 E-07	1.02 E-05	9.04 E-09
581118	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
581119	7.44 E+02	3.61 E-05	1.74 E+02	3.61 E-05	8.26 E+00	1.43 E-05	4.62 E-01	1.30 E-06
581120	1.04 E+03	3.61 E-05	2.44 E+02	3.61 E-05	1.16 E+01	1.43 E-05	6.48 E-01	1.30 E-06
581121	1.45 E+03	3.61 E-05	3.39 E+02	3.61 E-05	1.61 E+01	1.43 E-05	8.99 E-01	1.30 E-06
581122	1.98 E+03	3.61 E-05	4.63 E+02	3.61 E-05	2.19 E+01	1.43 E-05	1.22 E+00	1.30 E-06
581123	2.59 E+03	3.61 E-05	6.07 E+02	3.61 E-05	2.87 E+01	1.43 E-05	1.61 E+00	1.30 E-06
581124	3.28 E+03	3.61 E-05	7.68 E+02	3.61 E-05	3.63 E+01	1.43 E-05	2.03 E+00	1.30 E-06
581125	4.01 E+03	3.61 E-05	9.39 E+02	3.61 E-05	4.44 E+01	1.43 E-05	2.48 E+00	1.30 E-06
581126	4.73 E+03	3.61 E-05	1.11 E+03	3.61 E-05	5.25 E+01	1.43 E-05	2.93 E+00	1.30 E-06
581127	4.92 E+03	3.61 E-05	1.15 E+03	3.61 E-05	5.45 E+01	1.43 E-05	3.05 E+00	1.30 E-06
581128	5.22 E+03	3.61 E-05	1.22 E+03	3.61 E-05	5.79 E+01	1.43 E-05	3.24 E+00	1.30 E-06
581129	5.17 E+03	3.61 E-05	1.21 E+03	3.61 E-05	5.73 E+01	1.43 E-05	3.20 E+00	1.30 E-06
581130	4.75 E+03	3.61 E-05	1.11 E+03	3.61 E-05	5.26 E+01	1.43 E-05	2.94 E+00	1.30 E-06
581131	3.82 E+03	3.61 E-05	8.94 E+02	3.61 E-05	4.23 E+01	1.43 E-05	2.37 E+00	1.30 E-06
581132	2.56 E+03	3.61 E-05	6.01 E+02	3.61 E-05	2.84 E+01	1.43 E-05	1.59 E+00	1.30 E-06
581133	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581134	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581135	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581136	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581137	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581139	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581140	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581141	6.33 E-02	7.65 E-05	6.28 E-02	7.02 E-05	2.24 E-02	2.31 E-05	6.33 E-04	1.92 E-06
581142	6.35 E-02	8.54 E-05	6.29 E-02	7.76 E-05	2.24 E-02	2.50 E-05	6.35 E-04	2.06 E-06
581143	6.37 E-02	9.19 E-05	6.30 E-02	8.30 E-05	2.25 E-02	2.64 E-05	6.37 E-04	2.16 E-06
581144	6.38 E-02	1.02 E-04	6.31 E-02	9.14 E-05	2.25 E-02	2.85 E-05	6.38 E-04	2.31 E-06
581145	6.47 E-02	9.30 E-05	6.37 E-02	8.39 E-05	2.26 E-02	2.66 E-05	6.46 E-04	2.17 E-06
581146	9.80 E-02	1.14 E-04	8.53 E-02	1.01 E-04	2.75 E-02	3.12 E-05	9.15 E-04	2.49 E-06
581147	8.04 E-02	9.76 E-04	7.39 E-02	9.64 E-04	2.49 E-02	3.15 E-04	7.73 E-04	2.08 E-05
581148	6.43 E-02	9.25 E-05	6.35 E-02	8.34 E-05	2.26 E-02	2.65 E-05	6.43 E-04	2.16 E-06
581149	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581150	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581151	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581152	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581153	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
581154	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	581155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
2	581156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
3	582118	6.49 E+02	3.61 E-05	1.52 E+02	3.61 E-05	7.22 E+00	1.43 E-05	4.03 E-01	1.30 E-06
4	582119	8.94 E+02	3.61 E-05	2.09 E+02	3.61 E-05	9.92 E+00	1.43 E-05	5.55 E-01	1.30 E-06
5	582120	1.22 E+03	3.61 E-05	2.85 E+02	3.61 E-05	1.35 E+01	1.43 E-05	7.54 E-01	1.30 E-06
6	582121	1.64 E+03	3.61 E-05	3.84 E+02	3.61 E-05	1.81 E+01	1.43 E-05	1.01 E+00	1.30 E-06
7	582122	2.11 E+03	3.61 E-05	4.95 E+02	3.61 E-05	2.34 E+01	1.43 E-05	1.31 E+00	1.30 E-06
8	582123	2.64 E+03	3.61 E-05	6.18 E+02	3.61 E-05	2.92 E+01	1.43 E-05	1.63 E+00	1.30 E-06
9	582124	3.23 E+03	3.61 E-05	7.57 E+02	3.61 E-05	3.58 E+01	1.43 E-05	2.00 E+00	1.30 E-06
10	582125	3.73 E+03	3.61 E-05	8.74 E+02	3.61 E-05	4.13 E+01	1.43 E-05	2.31 E+00	1.30 E-06
11	582126	4.10 E+03	3.61 E-05	9.61 E+02	3.61 E-05	4.54 E+01	1.43 E-05	2.54 E+00	1.30 E-06
12	582127	4.28 E+03	3.61 E-05	1.00 E+03	3.61 E-05	4.75 E+01	1.43 E-05	2.66 E+00	1.30 E-06
13	582128	4.23 E+03	3.61 E-05	9.91 E+02	3.61 E-05	4.69 E+01	1.43 E-05	2.62 E+00	1.30 E-06
14	582129	3.81 E+03	3.61 E-05	8.92 E+02	3.61 E-05	4.22 E+01	1.43 E-05	2.36 E+00	1.30 E-06
15	582130	3.12 E+03	3.61 E-05	7.31 E+02	3.61 E-05	3.46 E+01	1.43 E-05	1.93 E+00	1.30 E-06
16	582131	2.32 E+03	3.61 E-05	5.43 E+02	3.61 E-05	2.57 E+01	1.43 E-05	1.44 E+00	1.30 E-06
17	582132	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
18	582133	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
19	582134	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
20	582135	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
21	582136	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
22	582137	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
23	582138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
24	582139	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
25	582140	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
26	582141	6.33 E-02	7.72 E-05	6.28 E-02	7.07 E-05	2.24 E-02	2.32 E-05	6.34 E-04	1.93 E-06
27	582142	6.35 E-02	8.65 E-05	6.29 E-02	7.85 E-05	2.24 E-02	2.52 E-05	6.35 E-04	2.07 E-06
28	582143	6.40 E-02	9.68 E-05	6.32 E-02	8.71 E-05	2.25 E-02	2.74 E-05	6.39 E-04	2.23 E-06
29	582144	7.76 E-02	1.08 E-04	7.21 E-02	9.65 E-05	2.45 E-02	2.99 E-05	7.51 E-04	2.40 E-06
30	582145	3.04 E-01	1.17 E-04	2.21 E-01	1.04 E-04	5.80 E-02	3.19 E-05	2.62 E-03	2.55 E-06
31	582146	7.03 E-01	1.22 E-04	4.84 E-01	1.08 E-04	1.17 E-01	3.29 E-05	5.91 E-03	2.61 E-06
32	582147	5.74 E-01	1.98 E-04	3.98 E-01	1.72 E-04	9.80 E-02	4.94 E-05	4.84 E-03	3.77 E-06
33	582148	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
34	582149	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
35	582150	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
36	582151	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
582152	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
582153	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
582154	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
582155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
582156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583116	3.93 E+02	0.00 E+00	9.22 E+01	0.00 E+00	4.36 E+00	0.00 E+00	2.44 E-01	0.00 E+00
583117	5.45 E+02	0.00 E+00	1.28 E+02	0.00 E+00	6.04 E+00	0.00 E+00	3.38 E-01	0.00 E+00
583118	7.44 E+02	3.61 E-05	1.74 E+02	3.61 E-05	8.26 E+00	1.43 E-05	4.62 E-01	1.30 E-06
583119	9.99 E+02	3.61 E-05	2.34 E+02	3.61 E-05	1.11 E+01	1.43 E-05	6.20 E-01	1.30 E-06
583120	1.32 E+03	3.61 E-05	3.09 E+02	3.61 E-05	1.46 E+01	1.43 E-05	8.20 E-01	1.30 E-06
583121	1.68 E+03	3.61 E-05	3.94 E+02	3.61 E-05	1.86 E+01	1.43 E-05	1.04 E+00	1.30 E-06
583122	--	3.61 E-05	4.85 E+02	3.61 E-05	2.29 E+01	1.43 E-05	1.28 E+00	1.30 E-06
583123	2.50 E+03	3.61 E-05	5.85 E+02	3.61 E-05	2.77 E+01	1.43 E-05	1.55 E+00	1.30 E-06
583124	2.86 E+03	3.61 E-05	6.71 E+02	3.61 E-05	3.17 E+01	1.43 E-05	1.78 E+00	1.30 E-06
583125	3.12 E+03	3.61 E-05	7.32 E+02	3.61 E-05	3.46 E+01	1.43 E-05	1.94 E+00	1.30 E-06
583126	3.26 E+03	3.61 E-05	7.63 E+02	3.61 E-05	3.61 E+01	1.43 E-05	2.02 E+00	1.30 E-06
583127	3.23 E+03	3.61 E-05	7.57 E+02	3.61 E-05	3.58 E+01	1.43 E-05	2.00 E+00	1.30 E-06
583128	2.95 E+03	3.61 E-05	6.90 E+02	3.61 E-05	3.27 E+01	1.43 E-05	1.83 E+00	1.30 E-06
583129	2.49 E+03	3.61 E-05	5.84 E+02	3.61 E-05	2.76 E+01	1.43 E-05	1.54 E+00	1.30 E-06
583130	1.90 E+03	3.61 E-05	4.45 E+02	3.61 E-05	2.10 E+01	1.43 E-05	1.18 E+00	1.30 E-06
583131	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583132	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583133	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583134	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583135	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583136	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583137	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583139	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583140	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583141	6.33 E-02	7.65 E-05	6.28 E-02	7.02 E-05	2.24 E-02	2.31 E-05	6.33 E-04	1.92 E-06
583142	6.35 E-02	8.54 E-05	6.29 E-02	7.76 E-05	2.24 E-02	2.50 E-05	6.35 E-04	2.06 E-06
583143	6.38 E-02	9.50 E-05	6.31 E-02	8.57 E-05	2.25 E-02	2.71 E-05	6.37 E-04	2.20 E-06
583144	7.25 E-02	1.06 E-04	6.85 E-02	9.52 E-05	2.37 E-02	2.96 E-05	7.04 E-04	2.38 E-06
583145	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
583146	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	583147	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
2	583148	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
3	583149	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
4	583150	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
5	583151	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
6	583152	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
7	583153	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
8	583154	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
9	583155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
10	583156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
11	584113	1.86 E+02	0.00 E+00	4.37 E+01	0.00 E+00	2.07 E+00	0.00 E+00	1.16 E-01	0.00 E+00
12	584114	2.82 E+02	0.00 E+00	6.60 E+01	0.00 E+00	3.12 E+00	0.00 E+00	1.75 E-01	0.00 E+00
13	584115	3.90 E+02	0.00 E+00	9.14 E+01	0.00 E+00	4.32 E+00	0.00 E+00	2.42 E-01	0.00 E+00
14	584116	4.93 E+02	0.00 E+00	1.15 E+02	0.00 E+00	5.46 E+00	0.00 E+00	3.05 E-01	0.00 E+00
15	584117	6.05 E+02	8.52 E-18	1.42 E+02	8.52 E-18	6.70 E+00	5.06 E-18	3.75 E-01	2.15 E-19
16	584118	8.16 E+02	3.61 E-05	1.91 E+02	3.61 E-05	9.06 E+00	1.43 E-05	5.07 E-01	1.30 E-06
17	584119	1.04 E+03	3.61 E-05	2.44 E+02	3.61 E-05	1.16 E+01	1.43 E-05	6.48 E-01	1.30 E-06
18	584120	1.30 E+03	3.61 E-05	3.06 E+02	3.61 E-05	1.45 E+01	1.43 E-05	8.09 E-01	1.30 E-06
19	584121	1.59 E+03	3.61 E-05	3.73 E+02	3.61 E-05	1.77 E+01	1.43 E-05	9.88 E-01	1.30 E-06
20	584122	1.90 E+03	3.61 E-05	4.46 E+02	3.61 E-05	2.11 E+01	1.43 E-05	1.18 E+00	1.30 E-06
21	584123	2.16 E+03	3.61 E-05	5.06 E+02	3.61 E-05	2.39 E+01	1.43 E-05	1.34 E+00	1.30 E-06
22	584124	2.34 E+03	3.61 E-05	5.49 E+02	3.61 E-05	2.60 E+01	1.43 E-05	1.45 E+00	1.30 E-06
23	584125	2.47 E+03	3.61 E-05	5.78 E+02	3.61 E-05	2.74 E+01	1.43 E-05	1.53 E+00	1.30 E-06
24	584126	2.41 E+03	3.61 E-05	5.64 E+02	3.61 E-05	2.67 E+01	1.43 E-05	1.49 E+00	1.30 E-06
25	584127	2.22 E+03	3.61 E-05	5.20 E+02	3.61 E-05	2.46 E+01	1.43 E-05	1.38 E+00	1.30 E-06
26	584128	1.89 E+03	3.61 E-05	4.43 E+02	3.61 E-05	2.10 E+01	1.43 E-05	1.17 E+00	1.30 E-06
27	584129	1.47 E+03	3.61 E-05	3.44 E+02	3.61 E-05	1.63 E+01	1.43 E-05	9.13 E-01	1.30 E-06
28	584130	6.28 E+00	3.61 E-05	1.52 E+00	3.61 E-05	9.11 E-02	1.43 E-05	4.48 E-03	1.30 E-06
29	584131	3.80 E+00	3.61 E-05	9.37 E-01	3.61 E-05	6.36 E-02	1.43 E-05	2.95 E-03	1.30 E-06
30	584132	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
31	584133	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
32	584134	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
33	584135	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
34	584136	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
35	584137	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
36	584138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
584139	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584140	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584141	6.32 E-02	7.39 E-05	6.27 E-02	6.80 E-05	2.24 E-02	2.25 E-05	6.33 E-04	1.88 E-06
584142	6.34 E-02	8.18 E-05	6.28 E-02	7.46 E-05	2.24 E-02	2.42 E-05	6.34 E-04	2.00 E-06
584143	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584144	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584145	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584146	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584147	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584148	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584149	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584150	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584151	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584152	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584153	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584154	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
584156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585113	2.20 E+02	0.00 E+00	5.15 E+01	0.00 E+00	2.44 E+00	0.00 E+00	1.36 E-01	0.00 E+00
585114	3.31 E+02	0.00 E+00	7.75 E+01	0.00 E+00	3.67 E+00	0.00 E+00	2.05 E-01	0.00 E+00
585115	4.56 E+02	0.00 E+00	1.07 E+02	0.00 E+00	5.06 E+00	0.00 E+00	2.83 E-01	0.00 E+00
585116	5.77 E+02	8.37 E-19	1.35 E+02	8.37 E-19	6.40 E+00	4.97 E-19	3.58 E-01	2.11 E-20
585117	6.66 E+02	1.15 E-17	1.56 E+02	1.15 E-17	7.38 E+00	6.84 E-18	4.13 E-01	2.91 E-19
585118	8.10 E+02	3.61 E-05	1.90 E+02	3.61 E-05	9.00 E+00	1.43 E-05	5.03 E-01	1.30 E-06
585119	9.99 E+02	3.61 E-05	2.34 E+02	3.61 E-05	1.11 E+01	1.43 E-05	6.20 E-01	1.30 E-06
585120	1.23 E+03	3.61 E-05	2.87 E+02	3.61 E-05	1.36 E+01	1.43 E-05	7.61 E-01	1.30 E-06
585121	1.43 E+03	3.61 E-05	3.34 E+02	3.61 E-05	1.58 E+01	1.43 E-05	8.85 E-01	1.30 E-06
585122	1.60 E+03	3.61 E-05	3.76 E+02	3.61 E-05	1.78 E+01	1.43 E-05	9.95 E-01	1.30 E-06
585123	1.73 E+03	3.61 E-05	4.04 E+02	3.61 E-05	1.91 E+01	1.43 E-05	1.07 E+00	1.30 E-06
585124	1.81 E+03	3.61 E-05	4.24 E+02	3.61 E-05	2.00 E+01	1.43 E-05	1.12 E+00	1.30 E-06
585125	1.78 E+03	3.61 E-05	4.16 E+02	3.61 E-05	1.97 E+01	1.43 E-05	1.10 E+00	1.30 E-06
585126	1.65 E+03	3.61 E-05	3.86 E+02	3.61 E-05	1.83 E+01	1.43 E-05	1.02 E+00	1.30 E-06
585127	1.43 E+03	3.61 E-05	3.35 E+02	3.61 E-05	1.59 E+01	1.43 E-05	8.89 E-01	1.30 E-06
585128	1.15 E+03	3.61 E-05	2.70 E+02	3.61 E-05	1.28 E+01	1.43 E-05	7.17 E-01	1.30 E-06
585129	8.32 E+02	3.61 E-05	1.95 E+02	3.61 E-05	9.25 E+00	1.43 E-05	5.17 E-01	1.30 E-06
585130	9.44 E+00	3.61 E-05	2.26 E+00	3.61 E-05	1.26 E-01	1.43 E-05	6.44 E-03	1.30 E-06

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
585131	5.36 E+00	3.61 E-05	1.30 E+00	3.61 E-05	8.09 E-02	1.43 E-05	3.92 E-03	1.30 E-06
585132	4.55 E+00	3.61 E-05	1.11 E+00	3.61 E-05	7.20 E-02	1.43 E-05	3.41 E-03	1.30 E-06
585133	2.75 E+00	3.61 E-05	6.91 E-01	3.61 E-05	5.20 E-02	1.43 E-05	2.29 E-03	1.30 E-06
585134	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585135	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585136	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585137	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585139	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585140	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585141	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585142	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585143	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585144	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585145	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585146	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585147	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585148	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585149	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585150	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585151	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585152	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585153	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585154	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
585156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586113	2.35 E+02	0.00 E+00	5.51 E+01	0.00 E+00	2.61 E+00	0.00 E+00	1.46 E-01	0.00 E+00
586114	3.54 E+02	0.00 E+00	8.28 E+01	0.00 E+00	3.92 E+00	0.00 E+00	2.19 E-01	0.00 E+00
586115	4.89 E+02	0.00 E+00	1.15 E+02	0.00 E+00	5.42 E+00	0.00 E+00	3.03 E-01	0.00 E+00
586116	6.16 E+02	1.23 E-18	1.44 E+02	1.23 E-18	6.83 E+00	7.30 E-19	3.82 E-01	3.10 E-20
586117	7.10 E+02	1.27 E-17	1.66 E+02	1.27 E-17	7.87 E+00	7.52 E-18	4.40 E-01	3.20 E-19
586118	7.55 E+02	3.61 E-05	1.77 E+02	3.61 E-05	8.38 E+00	1.43 E-05	4.69 E-01	1.30 E-06
586119	9.16 E+02	3.61 E-05	2.14 E+02	3.61 E-05	1.01 E+01	1.43 E-05	5.69 E-01	1.30 E-06
586120	1.05 E+03	3.61 E-05	2.47 E+02	3.61 E-05	1.17 E+01	1.43 E-05	6.55 E-01	1.30 E-06
586121	1.18 E+03	3.61 E-05	2.76 E+02	3.61 E-05	1.30 E+01	1.43 E-05	7.30 E-01	1.30 E-06
586122	1.28 E+03	3.61 E-05	3.00 E+02	3.61 E-05	1.42 E+01	1.43 E-05	7.96 E-01	1.30 E-06

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
586123	1.32 E+03	3.61 E-05	3.08 E+02	3.61 E-05	1.46 E+01	1.43 E-05	8.16 E-01	1.30 E-06
586124	1.29 E+03	3.61 E-05	3.02 E+02	3.61 E-05	1.43 E+01	1.43 E-05	7.99 E-01	1.30 E-06
586125	1.20 E+03	3.61 E-05	2.81 E+02	3.61 E-05	1.33 E+01	1.43 E-05	7.44 E-01	1.30 E-06
586126	1.05 E+03	3.61 E-05	2.46 E+02	3.61 E-05	1.16 E+01	1.43 E-05	6.51 E-01	1.30 E-06
586127	8.66 E+02	3.61 E-05	2.03 E+02	3.61 E-05	9.61 E+00	1.43 E-05	5.38 E-01	1.30 E-06
586128	6.55 E+02	3.61 E-05	1.53 E+02	3.61 E-05	7.28 E+00	1.43 E-05	4.07 E-01	1.30 E-06
586129	2.09 E+01	3.61 E-05	4.92 E+00	3.61 E-05	2.52 E-01	1.43 E-05	1.35 E-02	1.30 E-06
586130	1.24 E+01	3.61 E-05	2.95 E+00	3.61 E-05	1.59 E-01	1.43 E-05	8.27 E-03	1.30 E-06
586131	1.06 E+01	3.61 E-05	2.52 E+00	3.61 E-05	1.38 E-01	1.43 E-05	7.13 E-03	1.30 E-06
586132	6.55 E+00	3.61 E-05	1.58 E+00	3.61 E-05	9.42 E-02	1.43 E-05	4.65 E-03	1.30 E-06
586133	3.77 E+00	3.61 E-05	9.30 E-01	3.61 E-05	6.33 E-02	1.43 E-05	2.93 E-03	1.30 E-06
586134	2.27 E+00	3.61 E-05	5.81 E-01	3.61 E-05	4.67 E-02	1.43 E-05	2.00 E-03	1.30 E-06
586135	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586136	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586137	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586138	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586139	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586140	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586141	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586142	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586143	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586144	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586145	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586146	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586147	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586148	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586149	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586150	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586151	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586152	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586153	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586154	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586155	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
586156	6.22 E-02	3.61 E-05	6.22 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587113	2.32 E+02	0.00 E+00	5.43 E+01	0.00 E+00	2.57 E+00	0.00 E+00	1.44 E-01	0.00 E+00
587114	3.46 E+02	0.00 E+00	8.10 E+01	0.00 E+00	3.83 E+00	0.00 E+00	2.14 E-01	0.00 E+00

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
587115	4.81 E+02	1.19 E-19	1.13 E+02	1.19 E-19	5.33 E+00	7.09 E-20	2.98 E-01	3.02 E-21
587116	6.05 E+02	1.56 E-18	1.42 E+02	1.56 E-18	6.70 E+00	9.26 E-19	3.75 E-01	3.94 E-20
587117	6.99 E+02	1.47 E-17	1.64 E+02	1.47 E-17	7.75 E+00	8.73 E-18	4.33 E-01	3.72 E-19
587118	7.33 E+02	3.61 E-05	1.72 E+02	3.61 E-05	8.14 E+00	1.43 E-05	4.55 E-01	1.30 E-06
587119	7.77 E+02	3.62 E-05	1.82 E+02	3.61 E-05	8.63 E+00	1.43 E-05	4.83 E-01	1.31 E-06
587120	8.55 E+02	3.61 E-05	2.00 E+02	3.61 E-05	9.49 E+00	1.43 E-05	5.31 E-01	1.31 E-06
587121	9.27 E+02	3.61 E-05	2.17 E+02	3.61 E-05	1.03 E+01	1.43 E-05	5.75 E-01	1.31 E-06
587122	9.49 E+02	3.61 E-05	2.22 E+02	3.61 E-05	1.05 E+01	1.43 E-05	5.89 E-01	1.30 E-06
587123	9.32 E+02	3.61 E-05	2.18 E+02	3.61 E-05	1.03 E+01	1.43 E-05	5.79 E-01	1.30 E-06
587124	8.60 E+02	3.61 E-05	2.02 E+02	3.61 E-05	9.55 E+00	1.43 E-05	5.34 E-01	1.30 E-06
587125	7.71 E+02	3.61 E-05	1.81 E+02	3.61 E-05	8.57 E+00	1.43 E-05	4.79 E-01	1.30 E-06
587126	6.33 E+02	3.61 E-05	1.48 E+02	3.61 E-05	7.03 E+00	1.43 E-05	3.93 E-01	1.30 E-06
587127	4.89 E+02	3.61 E-05	1.15 E+02	3.61 E-05	5.44 E+00	1.43 E-05	3.04 E-01	1.30 E-06
587128	4.03 E+01	3.61 E-05	9.47 E+00	3.61 E-05	4.67 E-01	1.43 E-05	2.55 E-02	1.30 E-06
587129	2.50 E+01	3.61 E-05	5.90 E+00	3.61 E-05	2.98 E-01	1.43 E-05	1.60 E-02	1.30 E-06
587130	2.19 E+01	3.61 E-05	5.17 E+00	3.61 E-05	2.64 E-01	1.43 E-05	1.41 E-02	1.30 E-06
587131	1.43 E+01	3.61 E-05	3.38 E+00	3.61 E-05	1.79 E-01	1.43 E-05	9.40 E-03	1.30 E-06
587132	8.38 E+00	3.61 E-05	2.01 E+00	3.61 E-05	1.14 E-01	1.43 E-05	5.79 E-03	1.30 E-06
587133	5.25 E+00	3.61 E-05	1.28 E+00	3.61 E-05	7.98 E-02	1.43 E-05	3.85 E-03	1.30 E-06
587134	3.51 E+00	3.61 E-05	8.72 E-01	3.61 E-05	6.05 E-02	1.43 E-05	2.77 E-03	1.30 E-06
587135	2.14 E+00	3.61 E-05	5.49 E-01	3.61 E-05	4.52 E-02	1.43 E-05	1.92 E-03	1.30 E-06
587136	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587137	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587138	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587139	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587140	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587141	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587142	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587143	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587144	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587145	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587146	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587147	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587148	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587149	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587150	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
587151	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587152	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587153	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587154	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587155	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
587156	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588113	2.09 E+02	0.00 E+00	4.90 E+01	0.00 E+00	2.32 E+00	0.00 E+00	1.30 E-01	0.00 E+00
588114	3.12 E+02	1.21 E-20	7.31 E+01	1.21 E-20	3.46 E+00	7.18 E-21	1.93 E-01	3.06 E-22
588115	4.30 E+02	1.57 E-19	1.01 E+02	1.57 E-19	4.77 E+00	9.33 E-20	2.67 E-01	3.97 E-21
588116	5.45 E+02	1.73 E-18	1.28 E+02	1.73 E-18	6.04 E+00	1.03 E-18	3.38 E-01	4.36 E-20
588117	6.22 E+02	1.45 E-17	1.46 E+02	1.45 E-17	6.89 E+00	8.60 E-18	3.85 E-01	3.66 E-19
588118	6.22 E+02	3.62 E-05	1.46 E+02	3.62 E-05	6.91 E+00	1.43 E-05	3.86 E-01	1.31 E-06
588119	5.99 E+02	3.62 E-05	1.40 E+02	3.62 E-05	6.66 E+00	1.43 E-05	3.73 E-01	1.31 E-06
588120	6.66 E+02	3.62 E-05	1.56 E+02	3.62 E-05	7.40 E+00	1.43 E-05	4.14 E-01	1.31 E-06
588121	6.77 E+02	3.62 E-05	1.59 E+02	3.62 E-05	7.52 E+00	1.43 E-05	4.21 E-01	1.31 E-06
588122	6.60 E+02	3.62 E-05	1.55 E+02	3.62 E-05	7.34 E+00	1.43 E-05	4.10 E-01	1.31 E-06
588123	6.27 E+02	3.62 E-05	1.47 E+02	3.61 E-05	6.97 E+00	1.43 E-05	3.90 E-01	1.31 E-06
588124	5.61 E+02	3.62 E-05	1.31 E+02	3.61 E-05	6.23 E+00	1.43 E-05	3.48 E-01	1.31 E-06
588125	4.66 E+02	3.61 E-05	1.09 E+02	3.61 E-05	5.18 E+00	1.43 E-05	2.90 E-01	1.30 E-06
588126	3.60 E+02	3.61 E-05	8.45 E+01	3.61 E-05	4.01 E+00	1.43 E-05	2.24 E-01	1.30 E-06
588127	6.95 E+01	3.61 E-05	1.63 E+01	3.61 E-05	7.91 E-01	1.43 E-05	4.36 E-02	1.30 E-06
588128	4.54 E+01	3.61 E-05	1.07 E+01	3.61 E-05	5.24 E-01	1.43 E-05	2.87 E-02	1.30 E-06
588129	4.07 E+01	3.61 E-05	9.58 E+00	3.61 E-05	4.72 E-01	1.43 E-05	2.58 E-02	1.30 E-06
588130	2.78 E+01	3.61 E-05	6.55 E+00	3.61 E-05	3.29 E-01	1.43 E-05	1.78 E-02	1.30 E-06
588131	1.71 E+01	3.61 E-05	4.04 E+00	3.61 E-05	2.10 E-01	1.43 E-05	1.11 E-02	1.30 E-06
588132	1.13 E+01	3.61 E-05	2.67 E+00	3.61 E-05	1.46 E-01	1.43 E-05	7.54 E-03	1.30 E-06
588133	7.72 E+00	3.61 E-05	1.85 E+00	3.61 E-05	1.07 E-01	1.43 E-05	5.38 E-03	1.30 E-06
588134	4.99 E+00	3.61 E-05	1.22 E+00	3.61 E-05	7.69 E-02	1.43 E-05	3.69 E-03	1.30 E-06
588135	3.11 E+00	3.61 E-05	7.78 E-01	3.61 E-05	5.60 E-02	1.43 E-05	2.52 E-03	1.30 E-06
588136	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588137	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588138	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588139	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588140	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588141	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588142	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
588143	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588144	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588145	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588146	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588147	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588148	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588149	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588150	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588151	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588152	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588153	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588154	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588155	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
588156	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589113	1.73 E+02	1.27 E-21	4.06 E+01	1.27 E-21	1.92 E+00	7.57 E-22	1.07 E-01	3.22 E-23
589114	2.58 E+02	1.91 E-20	6.04 E+01	1.91 E-20	2.86 E+00	1.13 E-20	1.60 E-01	4.82 E-22
589115	3.57 E+02	2.09 E-19	8.37 E+01	2.09 E-19	3.96 E+00	1.24 E-19	2.22 E-01	5.28 E-21
589116	4.43 E+02	1.90 E-18	1.04 E+02	1.90 E-18	4.91 E+00	1.13 E-18	2.75 E-01	4.81 E-20
589117	4.85 E+02	1.45 E-17	1.13 E+02	1.45 E-17	5.37 E+00	8.60 E-18	3.00 E-01	3.66 E-19
589118	5.07 E+02	3.62 E-05	1.19 E+02	3.62 E-05	5.63 E+00	1.43 E-05	3.15 E-01	1.31 E-06
589119	4.93 E+02	3.62 E-05	1.16 E+02	3.62 E-05	5.49 E+00	1.43 E-05	3.07 E-01	1.31 E-06
589120	4.75 E+02	3.62 E-05	1.11 E+02	3.62 E-05	5.28 E+00	1.43 E-05	2.95 E-01	1.31 E-06
589121	4.71 E+02	3.62 E-05	1.10 E+02	3.62 E-05	5.24 E+00	1.43 E-05	2.93 E-01	1.31 E-06
589122	4.48 E+02	3.62 E-05	1.05 E+02	3.62 E-05	4.99 E+00	1.43 E-05	2.79 E-01	1.31 E-06
589123	3.96 E+02	3.62 E-05	9.29 E+01	3.62 E-05	4.41 E+00	1.43 E-05	2.47 E-01	1.31 E-06
589124	3.34 E+02	3.62 E-05	7.84 E+01	3.62 E-05	3.72 E+00	1.43 E-05	2.08 E-01	1.31 E-06
589125	2.66 E+02	3.62 E-05	6.25 E+01	3.62 E-05	2.97 E+00	1.43 E-05	1.66 E-01	1.31 E-06
589126	1.97 E+02	3.62 E-05	4.62 E+01	3.62 E-05	2.20 E+00	1.43 E-05	1.23 E-01	1.31 E-06
589127	7.17 E+01	3.62 E-05	1.69 E+01	3.62 E-05	8.15 E-01	1.43 E-05	4.50 E-02	1.31 E-06
589128	6.61 E+01	3.62 E-05	1.56 E+01	3.61 E-05	7.54 E-01	1.43 E-05	4.15 E-02	1.31 E-06
589129	4.74 E+01	3.61 E-05	1.12 E+01	3.61 E-05	5.46 E-01	1.43 E-05	2.99 E-02	1.30 E-06
589130	3.06 E+01	3.61 E-05	7.21 E+00	3.61 E-05	3.60 E-01	1.43 E-05	1.95 E-02	1.30 E-06
589131	2.10 E+01	3.61 E-05	4.96 E+00	3.61 E-05	2.54 E-01	1.43 E-05	1.36 E-02	1.30 E-06
589132	1.54 E+01	3.61 E-05	3.65 E+00	3.61 E-05	1.92 E-01	1.43 E-05	1.01 E-02	1.30 E-06
589133	1.06 E+01	3.61 E-05	2.53 E+00	3.61 E-05	1.39 E-01	1.43 E-05	7.17 E-03	1.30 E-06
589134	6.78 E+00	3.61 E-05	1.63 E+00	3.61 E-05	9.66 E-02	1.43 E-05	4.79 E-03	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

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Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
589135	4.19 E+00	3.61 E-05	1.03 E+00	3.61 E-05	6.80 E-02	1.43 E-05	3.19 E-03	1.30 E-06
589136	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589137	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589138	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589139	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589140	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589141	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589142	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589143	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589144	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589145	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589146	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589147	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589148	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589149	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589150	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589151	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589152	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589153	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589154	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589155	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
589156	6.27 E-02	3.61 E-05	6.27 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.26 E-04	1.30 E-06
590057	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
590067	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
590077	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
590087	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
590097	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
590113	1.32 E+02	1.87 E-21	3.08 E+01	1.87 E-21	1.46 E+00	1.11 E-21	8.15 E-02	4.73 E-23
590114	1.95 E+02	2.20 E-20	4.56 E+01	2.20 E-20	2.16 E+00	1.31 E-20	1.21 E-01	5.56 E-22
590115	2.68 E+02	2.31 E-19	6.27 E+01	2.31 E-19	2.96 E+00	1.37 E-19	1.66 E-01	5.84 E-21
590116	3.19 E+02	1.81 E-18	7.48 E+01	1.81 E-18	3.54 E+00	1.08 E-18	1.98 E-01	4.58 E-20
590117	3.64 E+02	1.33 E-07	8.51 E+01	1.12 E-07	4.03 E+00	2.88 E-08	2.25 E-01	2.03 E-09
590118	3.84 E+02	3.62 E-05	9.01 E+01	3.62 E-05	4.28 E+00	1.44 E-05	2.39 E-01	1.31 E-06
590119	3.90 E+02	3.62 E-05	9.15 E+01	3.62 E-05	4.34 E+00	1.44 E-05	2.43 E-01	1.31 E-06
590120	3.76 E+02	3.62 E-05	8.82 E+01	3.62 E-05	4.19 E+00	1.44 E-05	2.34 E-01	1.31 E-06
590121	3.17 E+02	4.81 E-02	7.43 E+01	4.81 E-02	3.53 E+00	2.82 E-02	1.97 E-01	1.82 E-03

Table B5-5. Statistical Increase in Individual Risk at T_{100} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
590122	2.85 E+02	3.62 E-05	6.68 E+01	3.62 E-05	3.17 E+00	1.44 E-05	1.77 E-01	1.31 E-06
590123	2.38 E+02	3.62 E-05	5.59 E+01	3.62 E-05	2.66 E+00	1.44 E-05	1.49 E-01	1.31 E-06
590124	1.96 E+02	3.62 E-05	4.61 E+01	3.62 E-05	2.20 E+00	1.43 E-05	1.23 E-01	1.31 E-06
590125	1.46 E+02	3.62 E-05	3.43 E+01	3.62 E-05	1.64 E+00	1.43 E-05	9.11 E-02	1.31 E-06
590126	9.94 E+01	3.62 E-05	2.34 E+01	3.62 E-05	1.12 E+00	1.43 E-05	6.22 E-02	1.31 E-06
590127	9.61 E+01	3.62 E-05	2.26 E+01	3.62 E-05	1.08 E+00	1.43 E-05	6.01 E-02	1.31 E-06
590128	7.23 E+01	3.62 E-05	1.70 E+01	3.62 E-05	8.21 E-01	1.43 E-05	4.53 E-02	1.31 E-06
590129	4.89 E+01	3.62 E-05	1.15 E+01	3.61 E-05	5.63 E-01	1.43 E-05	3.08 E-02	1.31 E-06
590130	3.52 E+01	3.62 E-05	8.29 E+00	3.61 E-05	4.11 E-01	1.43 E-05	2.23 E-02	1.31 E-06
590131	2.73 E+01	3.61 E-05	6.44 E+00	3.61 E-05	3.23 E-01	1.43 E-05	1.75 E-02	1.30 E-06
590132	1.98 E+01	3.61 E-05	4.69 E+00	3.61 E-05	2.40 E-01	1.43 E-05	1.28 E-02	1.30 E-06
590133	1.35 E+01	3.61 E-05	3.22 E+00	3.61 E-05	1.71 E-01	1.43 E-05	8.95 E-03	1.30 E-06
590134	8.95 E+00	3.61 E-05	2.15 E+00	3.61 E-05	1.21 E-01	1.43 E-05	6.13 E-03	1.30 E-06
590135	5.48 E+00	3.61 E-05	1.34 E+00	3.61 E-05	8.21 E-02	1.43 E-05	3.98 E-03	1.30 E-06
590136	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
590137	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
590138	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
590139	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
590140	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
590141	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
590142	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
590143	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
590144	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
590145	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
590146	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
590147	6.34 E-04	2.66 E-07	6.34 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
590157	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
590167	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
590177	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
590187	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
590197	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
590207	6.33 E-04	2.66 E-07	6.33 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
591108	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591109	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591110	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591111	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
591112	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591113	9.11 E+01	3.61 E-05	2.14 E+01	3.61 E-05	1.03 E+00	1.43 E-05	5.70 E-02	1.30 E-06
591114	1.34 E+02	3.61 E-05	3.16 E+01	3.61 E-05	1.51 E+00	1.43 E-05	8.38 E-02	1.30 E-06
591115	1.78 E+02	3.61 E-05	4.17 E+01	3.61 E-05	1.99 E+00	1.43 E-05	1.11 E-01	1.30 E-06
591116	2.23 E+02	3.61 E-05	5.24 E+01	3.61 E-05	2.49 E+00	1.43 E-05	1.39 E-01	1.30 E-06
591117	2.55 E+02	3.63 E-05	5.98 E+01	3.63 E-05	2.84 E+00	1.44 E-05	1.59 E-01	1.31 E-06
591118	2.81 E+02	3.63 E-05	6.59 E+01	3.63 E-05	3.13 E+00	1.44 E-05	1.75 E-01	1.31 E-06
591119	2.86 E+02	3.63 E-05	6.72 E+01	3.63 E-05	3.19 E+00	1.44 E-05	1.79 E-01	1.31 E-06
591120	2.87 E+02	3.63 E-05	6.74 E+01	3.63 E-05	3.21 E+00	1.44 E-05	1.79 E-01	1.31 E-06
591121	2.78 E+02	3.63 E-05	6.51 E+01	3.63 E-05	3.10 E+00	1.44 E-05	1.73 E-01	1.31 E-06
591122	1.70 E+02	3.63 E-05	4.02 E+01	3.62 E-05	1.94 E+00	1.44 E-05	1.12 E-01	1.31 E-06
591123	1.40 E+02	3.63 E-05	3.30 E+01	3.62 E-05	1.58 E+00	1.44 E-05	8.76 E-02	1.31 E-06
591124	1.09 E+02	3.63 E-05	2.56 E+01	3.62 E-05	1.23 E+00	1.44 E-05	6.80 E-02	1.31 E-06
591125	1.22 E+02	3.62 E-05	2.86 E+01	3.62 E-05	1.37 E+00	1.44 E-05	7.59 E-02	1.31 E-06
591126	1.23 E+02	3.62 E-05	2.88 E+01	3.62 E-05	1.38 E+00	1.44 E-05	7.66 E-02	1.31 E-06
591127	9.78 E+01	3.62 E-05	2.30 E+01	3.62 E-05	1.10 E+00	1.43 E-05	6.11 E-02	1.31 E-06
591128	7.00 E+01	3.62 E-05	1.65 E+01	3.62 E-05	7.97 E-01	1.43 E-05	4.39 E-02	1.31 E-06
591129	5.29 E+01	3.62 E-05	1.25 E+01	3.62 E-05	6.07 E-01	1.43 E-05	3.33 E-02	1.31 E-06
591130	4.33 E+01	3.62 E-05	1.02 E+01	3.62 E-05	5.00 E-01	1.43 E-05	2.74 E-02	1.31 E-06
591131	3.35 E+01	3.61 E-05	7.88 E+00	3.61 E-05	3.92 E-01	1.43 E-05	2.13 E-02	1.30 E-06
591132	2.42 E+01	3.61 E-05	5.73 E+00	3.61 E-05	2.90 E-01	1.43 E-05	1.56 E-02	1.30 E-06
591133	1.67 E+01	3.61 E-05	3.96 E+00	3.61 E-05	2.06 E-01	1.43 E-05	1.09 E-02	1.30 E-06
591134	1.09 E+01	3.61 E-05	2.60 E+00	3.61 E-05	1.42 E-01	1.43 E-05	7.34 E-03	1.30 E-06
591135	1.33 E+01	3.61 E-05	3.16 E+00	3.61 E-05	1.68 E-01	1.43 E-05	8.82 E-03	1.30 E-06
591136	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591137	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591138	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591139	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591140	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591141	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591142	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591143	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591144	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591145	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
591146	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592108	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
592109	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592110	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592111	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592112	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592113	5.78 E+01	3.61 E-05	1.36 E+01	3.61 E-05	6.62 E-01	1.43 E-05	3.64 E-02	1.30 E-06
592114	8.34 E+01	3.61 E-05	1.96 E+01	3.61 E-05	9.45 E-01	1.43 E-05	5.22 E-02	1.30 E-06
592115	1.13 E+02	3.61 E-05	2.66 E+01	3.61 E-05	1.27 E+00	1.43 E-05	7.08 E-02	1.30 E-06
592116	1.44 E+02	1.67 E-03	3.38 E+01	1.67 E-03	1.61 E+00	3.26 E-04	8.97 E-02	1.77 E-05
592117	1.71 E+02	3.63 E-05	4.03 E+01	3.63 E-05	1.92 E+00	1.44 E-05	1.07 E-01	1.31 E-06
592118	1.90 E+02	3.64 E-05	4.47 E+01	3.63 E-05	2.13 E+00	1.44 E-05	1.19 E-01	1.31 E-06
592119	2.04 E+02	3.64 E-05	4.78 E+01	3.63 E-05	2.28 E+00	1.44 E-05	1.27 E-01	1.31 E-06
592120	2.06 E+02	3.64 E-05	4.83 E+01	3.63 E-05	2.30 E+00	1.44 E-05	1.29 E-01	1.31 E-06
592121	2.03 E+02	3.63 E-05	4.76 E+01	3.63 E-05	2.26 E+00	1.44 E-05	1.27 E-01	1.31 E-06
592122	1.98 E+02	3.63 E-05	4.65 E+01	3.63 E-05	2.22 E+00	1.44 E-05	1.24 E-01	1.31 E-06
592123	7.84 E+01	3.63 E-05	1.84 E+01	3.63 E-05	8.89 E-01	1.44 E-05	4.91 E-02	1.31 E-06
592124	1.30 E+02	3.63 E-05	3.05 E+01	3.63 E-05	1.46 E+00	1.44 E-05	8.11 E-02	1.31 E-06
592125	1.39 E+02	3.63 E-05	3.26 E+01	3.63 E-05	1.56 E+00	1.44 E-05	8.66 E-02	1.31 E-06
592126	1.17 E+02	3.63 E-05	2.75 E+01	3.62 E-05	1.32 E+00	1.44 E-05	7.32 E-02	1.31 E-06
592127	8.83 E+01	3.63 E-05	2.08 E+01	3.62 E-05	1.00 E+00	1.44 E-05	5.53 E-02	1.31 E-06
592128	7.06 E+01	3.62 E-05	1.66 E+01	3.62 E-05	8.03 E-01	1.44 E-05	4.43 E-02	1.31 E-06
592129	6.11 E+01	3.62 E-05	1.44 E+01	3.62 E-05	6.99 E-01	1.43 E-05	3.84 E-02	1.31 E-06
592130	4.98 E+01	3.62 E-05	1.17 E+01	3.62 E-05	5.73 E-01	1.43 E-05	3.14 E-02	1.31 E-06
592131	3.85 E+01	3.61 E-05	9.05 E+00	3.61 E-05	4.47 E-01	1.43 E-05	2.44 E-02	1.30 E-06
592132	2.82 E+01	3.61 E-05	6.65 E+00	3.61 E-05	3.33 E-01	1.43 E-05	1.80 E-02	1.30 E-06
592133	1.93 E+01	3.61 E-05	4.57 E+00	3.61 E-05	2.35 E-01	1.43 E-05	1.25 E-02	1.30 E-06
592134	1.25 E+01	3.61 E-05	2.97 E+00	3.61 E-05	1.59 E-01	1.43 E-05	8.30 E-03	1.30 E-06
592135	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592136	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592137	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592138	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592139	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592140	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592141	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592142	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592143	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592144	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
592145	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
592146	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593108	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593109	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593110	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593111	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593112	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593113	3.23 E+01	3.61 E-05	7.62 E+00	3.61 E-05	3.79 E-01	1.43 E-05	2.06 E-02	1.30 E-06
593114	5.01 E+01	3.61 E-05	1.18 E+01	3.61 E-05	5.76 E-01	1.43 E-05	3.16 E-02	1.30 E-06
593115	6.89 E+01	3.61 E-05	1.62 E+01	3.61 E-05	7.85 E-01	1.43 E-05	4.33 E-02	1.30 E-06
593116	9.00 E+01	1.66 E-03	2.12 E+01	1.66 E-03	1.02 E+00	3.17 E-04	5.63 E-02	1.71 E-05
593117	1.07 E+02	3.64 E-05	2.52 E+01	3.63 E-05	1.21 E+00	1.44 E-05	6.70 E-02	1.31 E-06
593118	1.26 E+02	3.64 E-05	2.96 E+01	3.63 E-05	1.42 E+00	1.44 E-05	7.87 E-02	1.31 E-06
593119	1.34 E+02	3.64 E-05	3.16 E+01	3.64 E-05	1.51 E+00	1.44 E-05	8.38 E-02	1.31 E-06
593120	1.43 E+02	3.64 E-05	3.36 E+01	3.64 E-05	1.61 E+00	1.44 E-05	8.94 E-02	1.31 E-06
593121	1.44 E+02	3.64 E-05	3.38 E+01	3.64 E-05	1.61 E+00	1.44 E-05	8.97 E-02	1.31 E-06
593122	1.40 E+02	3.64 E-05	3.29 E+01	3.64 E-05	1.57 E+00	1.44 E-05	8.73 E-02	1.31 E-06
593123	4.23 E+01	3.64 E-05	9.96 E+00	3.63 E-05	4.90 E-01	1.44 E-05	2.68 E-02	1.31 E-06
593124	1.39 E+02	3.64 E-05	3.27 E+01	3.63 E-05	1.56 E+00	1.44 E-05	8.69 E-02	1.31 E-06
593125	1.24 E+02	3.64 E-05	2.92 E+01	3.63 E-05	1.40 E+00	1.44 E-05	7.77 E-02	1.31 E-06
593126	9.94 E+01	3.63 E-05	2.34 E+01	3.63 E-05	1.12 E+00	1.44 E-05	6.22 E-02	1.31 E-06
593127	8.39 E+01	3.63 E-05	1.97 E+01	3.63 E-05	9.51 E-01	1.44 E-05	5.25 E-02	1.31 E-06
593128	7.67 E+01	3.63 E-05	1.80 E+01	3.62 E-05	8.71 E-01	1.44 E-05	4.81 E-02	1.31 E-06
593129	6.67 E+01	3.63 E-05	1.57 E+01	3.62 E-05	7.60 E-01	1.44 E-05	4.19 E-02	1.31 E-06
593130	5.47 E+01	3.62 E-05	1.29 E+01	3.62 E-05	6.27 E-01	1.44 E-05	3.44 E-02	1.31 E-06
593131	4.21 E+01	3.61 E-05	9.90 E+00	3.61 E-05	4.87 E-01	1.43 E-05	2.66 E-02	1.30 E-06
593132	3.04 E+01	3.61 E-05	7.17 E+00	3.61 E-05	3.58 E-01	1.43 E-05	1.94 E-02	1.30 E-06
593133	2.10 E+01	3.61 E-05	4.97 E+00	3.61 E-05	2.54 E-01	1.43 E-05	1.36 E-02	1.30 E-06
593134	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593135	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593136	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593137	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593138	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593139	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593140	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593141	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
593142	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593143	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593144	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593145	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
593146	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594108	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594109	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594110	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594111	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594112	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594113	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.33 E-04	1.30 E-06
594114	2.77 E+01	3.61 E-05	6.54 E+00	3.61 E-05	3.28 E-01	1.43 E-05	1.77 E-02	1.30 E-06
594115	8.18 E+01	1.04 E-04	5.19 E+01	1.04 E-04	3.97 E+00	2.72 E-05	8.47 E-01	3.05 E-06
594116	5.19 E+01	2.21 E-01	1.22 E+01	2.21 E-01	5.96 E-01	2.17 E-02	3.27 E-02	1.42 E-03
594117	6.61 E+01	3.64 E-05	1.56 E+01	3.63 E-05	7.54 E-01	1.44 E-05	4.15 E-02	1.31 E-06
594118	7.67 E+01	3.64 E-05	1.80 E+01	3.64 E-05	8.71 E-01	1.44 E-05	4.81 E-02	1.31 E-06
594119	8.67 E+01	3.64 E-05	2.04 E+01	3.64 E-05	9.81 E-01	1.44 E-05	5.43 E-02	1.31 E-06
594120	9.22 E+01	3.64 E-05	2.17 E+01	3.64 E-05	1.04 E+00	1.44 E-05	5.77 E-02	1.31 E-06
594121	9.56 E+01	3.65 E-05	2.25 E+01	3.64 E-05	1.08 E+00	1.44 E-05	5.98 E-02	1.31 E-06
594122	1.00 E+02	3.65 E-05	2.36 E+01	3.64 E-05	1.13 E+00	1.44 E-05	6.29 E-02	1.31 E-06
594123	1.24 E+02	3.65 E-05	2.91 E+01	3.64 E-05	1.39 E+00	1.44 E-05	7.73 E-02	1.31 E-06
594124	1.17 E+02	3.64 E-05	2.75 E+01	3.64 E-05	1.32 E+00	1.44 E-05	7.32 E-02	1.31 E-06
594125	9.94 E+01	3.64 E-05	2.34 E+01	3.64 E-05	1.12 E+00	1.44 E-05	6.22 E-02	1.31 E-06
594126	8.89 E+01	3.64 E-05	2.09 E+01	3.63 E-05	1.01 E+00	1.44 E-05	5.56 E-02	1.31 E-06
594127	8.61 E+01	3.64 E-05	2.02 E+01	3.63 E-05	9.75 E-01	1.44 E-05	5.39 E-02	1.31 E-06
594128	7.95 E+01	3.63 E-05	1.87 E+01	3.63 E-05	9.01 E-01	1.44 E-05	4.98 E-02	1.31 E-06
594129	6.84 E+01	3.63 E-05	1.61 E+01	3.63 E-05	7.78 E-01	1.44 E-05	4.29 E-02	1.31 E-06
594130	5.62 E+01	3.64 E-05	1.32 E+01	3.64 E-05	6.43 E-01	1.44 E-05	3.53 E-02	1.31 E-06
594131	4.32 E+01	3.61 E-05	1.02 E+01	3.61 E-05	5.00 E-01	1.43 E-05	2.73 E-02	1.30 E-06
594132	3.15 E+01	3.61 E-05	7.42 E+00	3.61 E-05	3.69 E-01	1.43 E-05	2.00 E-02	1.30 E-06
594133	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594134	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594135	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594136	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594137	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594138	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
594139	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594140	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594141	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594142	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594143	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594144	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594145	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
594146	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595108	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.33 E-04	1.30 E-06
595109	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.33 E-04	1.30 E-06
595110	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.33 E-04	1.30 E-06
595111	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.33 E-04	1.30 E-06
595112	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.33 E-04	1.30 E-06
595113	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.33 E-04	1.30 E-06
595114	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595115	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595116	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595117	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595118	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595119	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595120	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595121	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595122	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595123	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595124	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595125	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595126	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595127	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595128	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595129	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595130	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595131	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595132	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595133	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595134	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595135	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
595136	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595137	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595138	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595139	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595140	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595141	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595142	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595143	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595144	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595145	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
595146	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596108	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596109	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596110	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596111	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596112	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596113	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596114	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596115	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596116	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596117	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596118	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596119	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596120	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596121	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596122	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596123	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596124	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596125	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596126	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596127	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596128	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596129	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596130	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596131	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596132	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
596133	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596134	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596135	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596136	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596137	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596138	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596139	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596140	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596141	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596142	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596143	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596144	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596145	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
596146	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597108	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597109	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597110	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597111	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597112	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597113	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597114	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597115	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597116	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597117	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597118	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597119	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597120	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597121	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597122	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597123	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597124	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597125	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597126	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597127	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597128	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597129	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
597130	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597131	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597132	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597133	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597134	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597135	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597136	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597137	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597138	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597139	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597140	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597141	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597142	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597143	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597144	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597145	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
597146	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598108	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598109	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598110	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598111	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598112	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598113	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598114	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598115	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598116	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598117	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598118	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598119	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598120	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598121	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598122	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598123	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598124	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598125	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598126	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
598127	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598128	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598129	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598130	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598131	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598132	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598133	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598134	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598135	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598136	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598137	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598138	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598139	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598140	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598141	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598142	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598143	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598144	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598145	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
598146	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599108	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599109	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599110	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599111	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599112	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599113	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599114	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599115	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599116	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599117	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599118	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599119	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599120	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599121	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599122	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599123	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
599124	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599125	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599126	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599127	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599128	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599129	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599130	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599131	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599132	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599133	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599134	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599135	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599136	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599137	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599138	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599139	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599140	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599141	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599142	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599143	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599144	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599145	6.63 E-02	3.61 E-05	6.63 E-02	3.61 E-05	2.22 E-02	1.43 E-05	6.27 E-04	1.30 E-06
599146	1.33 E-01	7.23 E-05	1.33 E-01	7.23 E-05	4.45 E-02	2.87 E-05	1.26 E-03	2.62 E-06
600057	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600067	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600077	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600087	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600097	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600107	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600117	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600127	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600137	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600147	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600157	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600167	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600177	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09

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Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
600187	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600197	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
600207	6.37 E-04	2.66 E-07	6.37 E-04	2.66 E-07	3.70 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610057	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610067	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610077	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610087	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610097	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610107	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610117	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610127	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610137	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610147	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610157	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610167	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610177	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610187	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610197	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
610207	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620057	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620067	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620077	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620087	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620097	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620107	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620117	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620127	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620137	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620147	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620157	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620167	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620177	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620187	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620197	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
620207	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630057	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09

Table B5-5. Statistical Increase in Individual Risk at T_{140} (Year 2129). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
630067	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630077	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630087	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630097	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630107	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630117	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630127	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630137	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630147	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630157	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630167	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630177	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630187	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630197	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
630207	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640057	1.42 E-03	5.32 E-07	1.42 E-03	5.32 E-07	7.42 E-04	2.11 E-07	2.08 E-05	1.89 E-08
640067	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640077	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640087	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640097	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640107	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640117	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640127	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640137	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640147	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640157	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640167	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640177	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640187	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640197	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09
640207	7.10 E-04	2.66 E-07	7.10 E-04	2.66 E-07	3.71 E-04	1.06 E-07	1.04 E-05	9.47 E-09

*Includes cancer risk and noncarcinogenic chemical risk.

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
490057	3.18 E-06	1.28 E-08	3.18 E-06	1.28 E-08	3.92 E-08	5.13 E-09	2.13 E-09	4.70 E-10
490067	3.18 E-06	1.28 E-08	3.18 E-06	1.28 E-08	3.92 E-08	5.13 E-09	2.13 E-09	4.70 E-10
490077	3.18 E-06	1.28 E-08	3.18 E-06	1.28 E-08	3.92 E-08	5.13 E-09	2.13 E-09	4.70 E-10
490087	3.18 E-06	1.28 E-08	3.18 E-06	1.28 E-08	3.92 E-08	5.13 E-09	2.13 E-09	4.70 E-10
490097	2.86 E-06	1.28 E-08	2.86 E-06	1.28 E-08	3.80 E-08	5.13 E-09	2.04 E-09	4.70 E-10
490107	2.86 E-06	1.28 E-08	2.86 E-06	1.28 E-08	3.80 E-08	5.13 E-09	2.04 E-09	4.70 E-10
490117	2.86 E-06	1.28 E-08	2.86 E-06	1.28 E-08	3.80 E-08	5.13 E-09	2.04 E-09	4.70 E-10
490127	2.86 E-06	1.28 E-08	2.86 E-06	1.28 E-08	3.80 E-08	5.13 E-09	2.04 E-09	4.70 E-10
490137	2.86 E-06	1.28 E-08	2.86 E-06	1.28 E-08	3.80 E-08	5.13 E-09	2.04 E-09	4.70 E-10
490147	2.86 E-06	1.28 E-08	2.86 E-06	1.28 E-08	3.80 E-08	5.13 E-09	2.04 E-09	4.70 E-10
490157	2.86 E-06	1.28 E-08	2.86 E-06	1.28 E-08	3.80 E-08	5.13 E-09	2.04 E-09	4.70 E-10
490167	0.00 E+00	2.60 E-13	0.00 E+00	2.59 E-13	0.00 E+00	5.66 E-14	0.00 E+00	5.18 E-15
490177	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
500057	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
500067	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
500077	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
500087	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
500097	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
500107	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
500117	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
500127	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
500137	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
500147	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
500157	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
500167	3.32 E-06	1.36 E-08	3.32 E-06	1.36 E-08	1.36 E-07	5.47 E-09	4.83 E-09	5.00 E-10
500177	3.18 E-06	1.28 E-08	3.18 E-06	1.28 E-08	3.92 E-08	5.13 E-09	2.13 E-09	4.70 E-10
500187	3.18 E-06	1.28 E-08	3.18 E-06	1.28 E-08	3.92 E-08	5.13 E-09	2.13 E-09	4.70 E-10
500197	3.18 E-06	1.28 E-08	3.18 E-06	1.28 E-08	3.92 E-08	5.13 E-09	2.13 E-09	4.70 E-10
500207	3.18 E-06	1.28 E-08	3.18 E-06	1.28 E-08	3.92 E-08	5.13 E-09	2.13 E-09	4.70 E-10
510057	4.35 E-06	1.36 E-08	4.35 E-06	1.36 E-08	2.10 E-07	5.47 E-09	7.03 E-09	5.00 E-10
510067	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
510077	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
510087	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
510097	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
510107	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
510117	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	510127	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
2	510137	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
3	510147	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
4	510157	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
5	510167	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
6	510177	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
7	510187	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
8	510197	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
9	510207	3.42 E-06	1.36 E-08	3.42 E-06	1.36 E-08	2.06 E-07	5.47 E-09	6.80 E-09	5.00 E-10
10	520057	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
11	520067	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
12	520077	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
13	520087	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
14	520097	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
15	520107	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
16	520117	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
17	520127	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
18	520137	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
19	520147	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
20	520157	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
21	520167	4.35 E-06	1.36 E-08	4.35 E-06	1.36 E-08	2.10 E-07	5.47 E-09	7.03 E-09	5.00 E-10
22	520177	4.35 E-06	1.36 E-08	4.35 E-06	1.36 E-08	2.10 E-07	5.47 E-09	7.03 E-09	5.00 E-10
23	520187	4.35 E-06	1.36 E-08	4.35 E-06	1.36 E-08	2.10 E-07	5.47 E-09	7.03 E-09	5.00 E-10
24	520197	4.35 E-06	1.36 E-08	4.35 E-06	1.36 E-08	2.10 E-07	5.47 E-09	7.03 E-09	5.00 E-10
25	520207	4.35 E-06	1.36 E-08	4.35 E-06	1.36 E-08	2.10 E-07	5.47 E-09	7.03 E-09	5.00 E-10
26	530057	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
27	530067	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
28	530077	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
29	530087	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
30	530097	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
31	530107	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
32	530117	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
33	530127	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
34	530137	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
35	530147	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
36	530157	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
530167	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
530177	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
530187	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
530197	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
530207	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
540057	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
540067	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
540077	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
540087	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
540097	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
540107	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
540117	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
540127	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
540137	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
540147	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
540157	9.03 E-06	1.36 E-08	9.03 E-06	1.36 E-08	2.91 E-07	5.47 E-09	1.22 E-08	5.00 E-10
540167	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
540177	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
540187	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
540197	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
540207	5.55 E-06	1.36 E-08	5.55 E-06	1.36 E-08	2.14 E-07	5.47 E-09	7.33 E-09	5.00 E-10
550057	2.82 E-05	6.56 E-08	2.82 E-05	6.56 E-08	6.82 E-07	2.62 E-08	2.59 E-08	2.40 E-09
550067	2.82 E-05	6.56 E-08	2.82 E-05	6.56 E-08	6.82 E-07	2.62 E-08	2.59 E-08	2.40 E-09
550077	2.82 E-05	6.56 E-08	2.82 E-05	6.56 E-08	6.82 E-07	2.62 E-08	2.59 E-08	2.40 E-09
550087	2.66 E-05	6.56 E-08	2.66 E-05	6.56 E-08	6.76 E-07	2.62 E-08	2.55 E-08	2.40 E-09
550097	2.66 E-05	6.56 E-08	2.66 E-05	6.56 E-08	6.76 E-07	2.62 E-08	2.55 E-08	2.40 E-09
550107	2.66 E-05	6.56 E-08	2.66 E-05	6.56 E-08	6.76 E-07	2.62 E-08	2.55 E-08	2.40 E-09
550117	2.66 E-05	6.56 E-08	2.66 E-05	6.56 E-08	6.76 E-07	2.62 E-08	2.55 E-08	2.40 E-09
550127	2.66 E-05	6.56 E-08	2.66 E-05	6.56 E-08	6.76 E-07	2.62 E-08	2.55 E-08	2.40 E-09
550137	2.66 E-05	6.56 E-08	2.66 E-05	6.56 E-08	6.76 E-07	2.62 E-08	2.55 E-08	2.40 E-09
550147	2.66 E-05	6.56 E-08	2.66 E-05	6.56 E-08	6.76 E-07	2.62 E-08	2.55 E-08	2.40 E-09
550157	2.66 E-05	6.56 E-08	2.66 E-05	6.56 E-08	6.76 E-07	2.62 E-08	2.55 E-08	2.40 E-09
550167	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
550177	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
550187	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
550197	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
550207	2.61 E-05	6.21 E-08	2.61 E-05	6.21 E-08	3.55 E-07	2.49 E-08	1.65 E-08	2.28 E-09
560057	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
560067	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
560077	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
560087	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
560097	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
560107	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
560117	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
560157	2.82 E-05	6.56 E-08	2.82 E-05	6.56 E-08	6.82 E-07	2.62 E-08	2.59 E-08	2.40 E-09
560167	2.82 E-05	6.56 E-08	2.82 E-05	6.56 E-08	6.82 E-07	2.62 E-08	2.59 E-08	2.40 E-09
560177	2.82 E-05	6.56 E-08	2.82 E-05	6.56 E-08	6.82 E-07	2.62 E-08	2.59 E-08	2.40 E-09
560187	2.82 E-05	6.56 E-08	2.82 E-05	6.56 E-08	6.82 E-07	2.62 E-08	2.59 E-08	2.40 E-09
560197	2.82 E-05	6.56 E-08	2.82 E-05	6.56 E-08	6.82 E-07	2.62 E-08	2.59 E-08	2.40 E-09
560207	2.82 E-05	6.56 E-08	2.82 E-05	6.56 E-08	6.82 E-07	2.62 E-08	2.59 E-08	2.40 E-09
561128	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561129	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561130	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561131	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561132	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561133	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561134	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561135	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561136	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561137	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561138	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561139	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561140	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561141	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561142	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561143	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561144	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561145	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561146	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561147	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561148	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561149	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
561150	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561151	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561152	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561153	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561154	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561155	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
561156	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
562128	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
562129	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
562130	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
562131	6.71 E-04	1.19 E-06	6.71 E-04	1.19 E-06	4.76 E-06	4.75 E-07	2.85 E-07	4.37 E-08
562132	6.71 E-04	6.28 E-06	6.71 E-04	6.28 E-06	4.76 E-06	2.52 E-06	2.85 E-07	2.32 E-07
562133	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562134	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562135	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562136	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562137	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562138	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562139	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562140	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562141	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562142	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562143	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562144	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562145	1.14 E+00	3.14 E-05	1.13 E+00	3.14 E-05	8.39 E-01	1.27 E-05	2.56 E-02	7.44 E-07
562146	1.39 E+00	3.27 E-05	1.29 E+00	3.27 E-05	9.08 E-01	1.32 E-05	2.84 E-02	7.71 E-07
562147	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562148	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562149	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562150	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562151	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562152	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562153	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562154	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562155	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
562156	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
563128	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
563129	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
563130	1.03 E-03	6.28 E-06	1.03 E-03	6.28 E-06	1.02 E-05	2.52 E-06	7.15 E-07	2.32 E-07
563131	1.03 E-03	6.30 E-06	1.03 E-03	6.30 E-06	1.02 E-05	2.53 E-06	7.15 E-07	2.32 E-07
563132	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563133	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563134	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563135	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563136	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563137	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563138	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563139	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563140	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563141	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563142	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563143	1.22 E+00	3.34 E-05	1.22 E+00	3.34 E-05	9.04 E-01	1.35 E-05	2.76 E-02	7.85 E-07
563144	1.81 E+00	4.11 E-05	1.69 E+00	4.11 E-05	1.19 E+00	1.66 E-05	3.70 E-02	9.39 E-07
563145	2.14 E+00	4.77 E-05	2.00 E+00	4.77 E-05	1.42 E+00	1.92 E-05	4.40 E-02	1.07 E-06
563146	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563147	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563148	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563149	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563150	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563151	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563152	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563153	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563154	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563155	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
563156	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
564128	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
564129	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
564130	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
564131	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
564132	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
564133	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07
564134	4.35 E-03	6.30 E-06	4.35 E-03	6.30 E-06	2.24 E-05	2.53 E-06	1.55 E-06	2.32 E-07

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
564135	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564136	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564137	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564138	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564139	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564140	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564141	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564142	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564143	2.13 E+00	4.83 E-05	2.00 E+00	4.83 E-05	1.43 E+00	1.95 E-05	4.43 E-02	1.09 E-06
564144	2.64 E+00	5.80 E-05	2.48 E+00	5.80 E-05	1.76 E+00	2.35 E-05	5.47 E-02	1.28 E-06
564145	3.31 E+00	7.14 E-05	3.12 E+00	7.14 E-05	2.22 E+00	2.89 E-05	6.88 E-02	1.56 E-06
564146	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564147	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564148	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564149	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564150	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564151	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564152	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564153	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564154	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564155	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
564156	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
565128	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
565129	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
565130	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.24 E-05	2.55 E-06	1.55 E-06	2.34 E-07
565131	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.36 E-05	2.55 E-06	1.58 E-06	2.34 E-07
565132	4.35 E-03	6.36 E-06	4.35 E-03	6.36 E-06	2.52 E-05	2.55 E-06	1.63 E-06	2.34 E-07
565133	4.35 E-03	3.30 E-05	4.35 E-03	3.30 E-05	2.52 E-05	1.32 E-05	1.63 E-06	1.22 E-06
565134	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
565135	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
565136	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
565137	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
565138	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
565139	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
565140	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
565141	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	565142	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
2	565143	3.09 E+00	9.53 E-05	2.95 E+00	9.53 E-05	2.12 E+00	3.85 E-05	6.54 E-02	2.49 E-06
3	565144	5.46 E+00	1.42 E-04	5.18 E+00	1.42 E-04	3.70 E+00	5.73 E-05	1.15 E-01	3.44 E-06
4	565145	6.49 E+01	1.35 E-03	6.13 E+01	1.35 E-03	4.40 E+01	5.46 E-04	1.35 E+00	2.79 E-05
5	565146	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
6	565147	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
7	565148	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
8	565149	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
9	565150	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
10	565151	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
11	565152	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
12	565153	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
13	565154	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
14	565155	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
15	565156	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
16	566128	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
17	566129	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
18	566130	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
19	566131	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.32 E-05	3.87 E-06	1.22 E-06
20	566132	6.25 E-03	3.30 E-05	6.25 E-03	3.30 E-05	5.29 E-05	1.33 E-05	3.87 E-06	1.22 E-06
21	566133	2.99 E-02	3.11 E-03	2.99 E-02	3.11 E-03	1.40 E-04	1.80 E-03	9.83 E-06	1.16 E-04
22	566134	3.00 E-02	2.70 E-02	3.00 E-02	2.70 E-02	1.52 E-04	1.57 E-02	1.13 E-05	1.01 E-03
23	566135	2.53 E+00	2.95 E-01	2.53 E+00	2.95 E-01	2.71 E-01	1.71 E-01	5.00 E-02	1.10 E-02
24	566136	9.40 E+00	1.00 E+00	9.40 E+00	1.00 E+00	1.80 E+00	7.29 E-01	2.07 E-01	4.68 E-02
25	566137	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
26	566138	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
27	566139	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
28	566140	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
29	566141	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
30	566142	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
31	566143	7.72 E+00	1.89 E-04	7.36 E+00	1.89 E-04	5.28 E+00	7.63 E-05	1.63 E-01	4.39 E-06
32	566144	1.63 E+02	3.30 E-03	1.55 E+02	3.30 E-03	1.11 E+02	1.33 E-03	3.42 E+00	6.76 E-05
33	566145	1.96 E+03	3.78 E-02	1.85 E+03	3.78 E-02	1.33 E+03	1.56 E-02	4.10 E+01	7.98 E-04
34	566146	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
35	566147	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
36	566148	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
566149	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
566150	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
566151	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
566152	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
566153	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
566154	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
566155	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
566156	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567128	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567129	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567130	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567131	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567132	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567133	2.99 E-02	5.92 E-04	2.99 E-02	5.92 E-04	1.40 E-04	3.39 E-04	9.83 E-06	2.21 E-05
567134	2.99 E-02	2.69 E-03	2.99 E-02	2.68 E-03	1.40 E-04	1.51 E-03	9.83 E-06	9.73 E-05
567135	2.26 E+02	4.56 E-03	2.14 E+02	4.56 E-03	1.54 E+02	1.84 E-03	4.74 E+00	9.32 E-05
567136	1.57 E-01	1.71 E-02	1.57 E-01	1.64 E-02	1.95 E-02	6.50 E-03	2.51 E-03	4.18 E-04
567137	2.99 E-02	6.35 E-03	2.99 E-02	6.35 E-03	1.40 E-04	3.68 E-03	9.83 E-06	2.37 E-04
567138	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567139	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567140	2.85 E+00	9.29 E-05	2.79 E+00	9.29 E-05	2.01 E+00	3.75 E-05	6.18 E-02	2.44 E-06
567141	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567142	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567143	3.89 E+02	8.97 E-03	3.68 E+02	8.78 E-03	2.64 E+02	3.40 E-03	8.13 E+00	1.77 E-04
567144	4.21 E+03	7.87 E-02	3.98 E+03	7.85 E-02	2.86 E+03	3.32 E-02	8.81 E+01	1.73 E-03
567145	1.40 E+04	2.18 E-01	1.33 E+04	2.18 E-01	9.52 E+03	1.02 E-01	2.94 E+02	5.72 E-03
567146	1.91 E+04	2.73 E-01	1.80 E+04	2.73 E-01	1.30 E+04	1.34 E-01	3.99 E+02	7.77 E-03
567147	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567148	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567149	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567150	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567151	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567152	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567153	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567154	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
567155	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
567156	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568128	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568129	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568130	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568131	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568132	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568133	3.08 E-02	3.30 E-05	3.02 E-02	3.30 E-05	1.70 E-04	1.33 E-05	1.13 E-05	1.22 E-06
568134	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568135	4.59 E+01	9.50 E-04	4.34 E+01	9.50 E-04	3.11 E+01	3.83 E-04	9.59 E-01	1.98 E-05
568136	3.03 E-02	1.07 E-02	3.03 E-02	9.48 E-03	3.81 E-04	2.49 E-04	1.72 E-05	1.81 E-05
568137	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.41 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568138	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568139	2.80 E+00	9.29 E-05	2.76 E+00	9.29 E-05	2.01 E+00	3.75 E-05	6.15 E-02	2.44 E-06
568140	4.09 E+00	1.15 E-03	4.01 E+00	9.83 E-04	2.92 E+00	2.70 E-04	8.95 E-02	1.86 E-05
568141	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568142	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568143	9.10 E+03	1.54 E-01	8.60 E+03	1.54 E-01	6.17 E+03	6.88 E-02	1.90 E+02	3.72 E-03
568144	2.07 E+04	2.89 E-01	1.96 E+04	2.89 E-01	1.41 E+04	1.43 E-01	4.34 E+02	8.46 E-03
568145	1.81 E+04	2.63 E-01	1.71 E+04	2.63 E-01	1.23 E+04	1.27 E-01	3.77 E+02	7.37 E-03
568146	8.01 E+03	1.39 E-01	7.58 E+03	1.39 E-01	5.43 E+03	6.11 E-02	1.68 E+02	3.29 E-03
568147	1.86 E+03	3.77 E-02	1.76 E+03	3.74 E-02	1.27 E+03	1.52 E-02	3.90 E+01	7.86 E-04
568148	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568149	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568150	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568151	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568152	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568153	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568154	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568155	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
568156	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569128	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569129	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569130	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569131	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569132	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.41 E-04	1.33 E-05	9.84 E-06	1.22 E-06
569133	3.06 E-02	3.30 E-05	3.01 E-02	3.30 E-05	1.64 E-04	1.33 E-05	1.11 E-05	1.22 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
569134	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569135	2.24 E+01	4.81 E-04	2.12 E+01	4.81 E-04	1.52 E+01	1.94 E-04	4.68 E-01	1.03 E-05
569136	2.71 E+02	5.67 E-03	2.57 E+02	5.65 E-03	1.84 E+02	2.21 E-03	5.66 E+00	1.12 E-04
569137	5.97 E-01	7.13 E-05	5.94 E-01	6.82 E-05	4.19 E-01	1.89 E-05	1.28 E-02	1.52 E-06
569138	1.10 E+00	6.92 E-04	1.10 E+00	5.91 E-04	7.87 E-01	1.60 E-04	2.40 E-02	1.14 E-05
569139	3.80 E+00	1.07 E-03	3.75 E+00	9.13 E-04	2.74 E+00	2.52 E-04	8.38 E-02	1.73 E-05
569140	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569141	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569142	1.82 E+04	2.64 E-01	1.72 E+04	2.64 E-01	1.24 E+04	1.28 E-01	3.80 E+02	7.42 E-03
569143	2.38 E+04	3.17 E-01	2.25 E+04	3.17 E-01	1.62 E+04	1.61 E-01	4.98 E+02	9.72 E-03
569144	1.14 E+04	1.85 E-01	1.07 E+04	1.85 E-01	7.69 E+03	8.41 E-02	2.36 E+02	4.63 E-03
569145	2.76 E+03	5.43 E-02	2.61 E+03	5.39 E-02	1.87 E+03	2.22 E-02	5.76 E+01	1.15 E-03
569146	4.54 E+02	1.12 E-02	4.30 E+02	1.08 E-02	3.07 E+02	4.13 E-03	9.48 E+00	2.18 E-04
569147	6.09 E+01	3.52 E-03	5.77 E+01	3.17 E-03	4.14 E+01	1.01 E-03	1.27 E+00	6.07 E-05
569148	5.67 E+00	2.27 E-03	5.36 E+00	1.93 E-03	3.80 E+00	5.17 E-04	1.18 E-01	3.58 E-05
569149	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569150	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569151	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569152	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569153	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569154	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569155	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
569156	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
570057	9.45 E-05	2.42 E-07	9.45 E-05	2.42 E-07	1.11 E-06	9.70 E-08	5.53 E-08	8.87 E-09
570067	9.45 E-05	2.42 E-07	9.45 E-05	2.42 E-07	1.11 E-06	9.70 E-08	5.53 E-08	8.87 E-09
570077	9.45 E-05	2.42 E-07	9.45 E-05	2.42 E-07	1.11 E-06	9.70 E-08	5.53 E-08	8.87 E-09
570087	9.45 E-05	2.42 E-07	9.45 E-05	2.42 E-07	1.11 E-06	9.70 E-08	5.53 E-08	8.87 E-09
570097	9.45 E-05	2.42 E-07	9.45 E-05	2.42 E-07	1.11 E-06	9.70 E-08	5.53 E-08	8.87 E-09
570107	9.45 E-05	2.42 E-07	9.45 E-05	2.42 E-07	1.11 E-06	9.70 E-08	5.53 E-08	8.87 E-09
570117	9.45 E-05	2.42 E-07	9.45 E-05	2.42 E-07	1.11 E-06	9.70 E-08	5.53 E-08	8.87 E-09
570128	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
570129	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
570130	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
570131	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.40 E-04	1.33 E-05	9.83 E-06	1.22 E-06
570132	3.00 E-02	3.30 E-05	3.00 E-02	3.30 E-05	1.43 E-04	1.33 E-05	9.91 E-06	1.22 E-06
570133	3.00 E-02	3.30 E-05	3.00 E-02	3.30 E-05	1.47 E-04	1.33 E-05	1.01 E-05	1.22 E-06

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
570134	3.00 E-02	3.30 E-05	3.00 E-02	3.30 E-05	1.58 E-04	1.33 E-05	1.04 E-05	1.22 E-06
570135	1.32 E+01	2.97 E-04	1.25 E+01	2.97 E-04	8.97 E+00	1.20 E-04	2.76 E-01	6.60 E-06
570136	1.89 E+04	2.70 E-01	1.79 E+04	2.70 E-01	1.28 E+04	1.32 E-01	3.95 E+02	7.69 E-03
570137	2.16 E+00	5.63 E-04	2.08 E+00	4.85 E-04	1.48 E+00	1.35 E-04	4.55 E-02	9.45 E-06
570138	4.31 E+01	1.67 E-03	4.09 E+01	1.55 E-03	2.94 E+01	5.31 E-04	9.04 E-01	3.07 E-05
570139	4.63 E+00	1.26 E-03	4.52 E+00	1.08 E-03	3.27 E+00	2.96 E-04	1.00 E-01	2.05 E-05
570140	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
570141	2.92 E+04	3.58 E-01	2.76 E+04	3.58 E-01	1.98 E+04	1.90 E-01	6.10 E+02	1.18 E-02
570142	1.71 E+04	2.53 E-01	1.61 E+04	2.52 E-01	1.16 E+04	1.21 E-01	3.57 E+02	6.97 E-03
570143	3.56 E+03	6.86 E-02	3.37 E+03	6.83 E-02	2.42 E+03	2.85 E-02	7.45 E+01	1.48 E-03
570144	4.14 E+02	1.05 E-02	3.92 E+02	1.01 E-02	2.81 E+02	3.84 E-03	8.66 E+00	2.03 E-04
570145	3.91 E+01	3.31 E-03	3.70 E+01	2.91 E-03	2.66 E+01	8.69 E-04	8.18 E-01	5.52 E-05
570146	6.58 E+00	2.70 E-03	6.27 E+00	2.30 E-03	4.48 E+00	6.15 E-04	1.38 E-01	4.26 E-05
570147	3.51 E+00	2.63 E-03	3.32 E+00	2.22 E-03	2.34 E+00	5.87 E-04	7.29 E-02	4.10 E-05
570148	2.70 E+00	2.56 E-03	2.54 E+00	2.17 E-03	1.77 E+00	5.70 E-04	5.52 E-02	4.01 E-05
570149	2.08 E+00	2.47 E-03	1.94 E+00	2.09 E-03	1.34 E+00	5.47 E-04	4.19 E-02	3.85 E-05
570150	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
570151	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
570152	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
570153	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
570154	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
570155	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
570156	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
570157	3.53 E-05	6.57 E-08	3.53 E-05	6.57 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
570167	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
570177	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
570187	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
570197	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
570207	3.53 E-05	6.56 E-08	3.53 E-05	6.56 E-08	7.08 E-07	2.62 E-08	2.77 E-08	2.40 E-09
571128	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
571129	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
571130	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
571131	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.40 E-04	1.34 E-05	9.83 E-06	1.23 E-06
571132	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.61 E-04	1.34 E-05	1.05 E-05	1.23 E-06
571133	3.00 E-02	3.37 E-05	3.00 E-02	3.36 E-05	1.89 E-04	1.34 E-05	1.13 E-05	1.24 E-06
571134	3.10 E-02	3.41 E-05	3.03 E-02	3.40 E-05	2.52 E-04	1.35 E-05	1.39 E-05	1.25 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
571135	3.00 E-01	5.01 E-05	2.98 E-01	4.84 E-05	1.98 E-01	1.81 E-05	6.07 E-03	1.52 E-06
571136	1.61 E+01	6.35 E-04	1.52 E+01	5.90 E-04	1.09 E+01	2.04 E-04	3.36 E-01	1.20 E-05
571137	2.24 E+04	3.03 E-01	2.12 E+04	3.03 E-01	1.52 E+04	1.52 E-01	4.67 E+02	9.09 E-03
571138	4.42 E+04	4.45 E-01	4.18 E+04	4.44 E-01	3.00 E+04	2.59 E-01	9.24 E+02	1.77 E-02
571139	1.53 E+04	2.32 E-01	1.45 E+04	2.32 E-01	1.03 E+04	1.10 E-01	3.19 E+02	6.23 E-03
571140	3.89 E+03	7.36 E-02	3.68 E+03	7.34 E-02	2.64 E+03	3.08 E-02	8.13 E+01	1.61 E-03
571141	1.50 E+01	2.23 E-03	1.44 E+01	1.92 E-03	9.68 E+00	5.39 E-04	2.97 E-01	3.61 E-05
571142	3.54 E+02	9.30 E-03	3.36 E+02	8.94 E-03	2.40 E+02	3.33 E-03	7.37 E+00	1.78 E-04
571143	2.36 E+01	2.82 E-03	2.26 E+01	2.44 E-03	1.49 E+01	6.94 E-04	4.58 E-01	4.58 E-05
571144	8.12 E+00	2.52 E-03	7.96 E+00	2.14 E-03	4.25 E+00	5.71 E-04	1.30 E-01	3.96 E-05
571145	6.31 E+00	2.84 E-03	6.18 E+00	2.40 E-03	3.19 E+00	6.33 E-04	9.85 E-02	4.43 E-05
571146	3.02 E+00	2.87 E-03	2.88 E+00	2.42 E-03	2.04 E+00	6.37 E-04	6.32 E-02	4.48 E-05
571147	2.43 E+00	2.84 E-03	2.29 E+00	2.40 E-03	1.61 E+00	6.29 E-04	5.00 E-02	4.42 E-05
571148	1.90 E+00	2.80 E-03	1.78 E+00	2.36 E-03	1.23 E+00	6.16 E-04	3.83 E-02	4.35 E-05
571149	2.85 E+00	1.00 E+00	2.65 E+00	1.00 E+00	1.83 E+00	1.00 E+00	5.73 E-02	1.35 E-01
571150	6.30 E-02	2.51 E-03	5.81 E-02	2.11 E-03	9.73 E-03	5.48 E-04	4.40 E-04	3.89 E-05
571151	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
571152	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
571153	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
571154	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
571155	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
571156	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
572128	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
572129	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
572130	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
572131	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
572132	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	2.13 E-04	1.34 E-05	1.20 E-05	1.23 E-06
572133	3.02 E-02	3.75 E-05	3.02 E-02	3.68 E-05	2.80 E-04	1.43 E-05	1.43 E-05	1.30 E-06
572134	3.07 E-02	5.12 E-05	3.05 E-02	4.84 E-05	3.84 E-04	1.73 E-05	1.84 E-05	1.51 E-06
572135	3.09 E-02	7.80 E-05	3.08 E-02	7.09 E-05	5.05 E-04	2.30 E-05	2.34 E-05	1.91 E-06
572136	6.98 E-01	1.32 E-04	6.94 E-01	1.19 E-04	4.92 E-01	3.75 E-05	1.50 E-02	2.82 E-06
572137	2.18 E+00	6.05 E-04	2.15 E+00	5.20 E-04	1.56 E+00	1.45 E-04	4.77 E-02	1.02 E-05
572138	5.28 E+02	1.13 E-02	5.00 E+02	1.12 E-02	3.58 E+02	4.45 E-03	1.10 E+01	2.29 E-04
572139	6.55 E+03	1.17 E-01	6.19 E+03	1.17 E-01	4.45 E+03	5.04 E-02	1.37 E+02	2.68 E-03
572140	7.27 E+01	3.00 E-03	6.90 E+01	2.76 E-03	4.94 E+01	9.29 E-04	1.53 E+00	5.39 E-05
572141	4.70 E+00	1.96 E-03	4.66 E+00	1.66 E-03	2.77 E+00	4.43 E-04	8.47 E-02	3.09 E-05

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	572142	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
2	572143	7.32 E+00	2.45 E-03	7.24 E+00	2.08 E-03	3.47 E+00	5.49 E-04	1.06 E-01	3.84 E-05
3	572144	8.01 E+00	2.49 E-03	7.92 E+00	2.11 E-03	3.31 E+00	5.56 E-04	1.02 E-01	3.90 E-05
4	572145	6.92 E+00	2.87 E-03	6.83 E+00	2.42 E-03	2.77 E+00	6.35 E-04	8.53 E-02	4.47 E-05
5	572146	5.30 E+00	2.93 E-03	5.28 E+00	2.47 E-03	2.15 E+00	6.46 E-04	6.59 E-02	4.55 E-05
6	572147	2.23 E+00	2.90 E-03	2.22 E+00	2.44 E-03	5.27 E-01	6.34 E-04	1.62 E-02	4.50 E-05
7	572148	6.75 E-02	2.87 E-03	6.21 E-02	2.41 E-03	1.12 E-02	6.26 E-04	5.01 E-04	4.45 E-05
8	572149	6.66 E-02	2.80 E-03	6.13 E-02	2.36 E-03	1.09 E-02	6.12 E-04	4.89 E-04	4.35 E-05
9	572150	6.45 E-02	2.64 E-03	5.95 E-02	2.22 E-03	1.03 E-02	5.77 E-04	4.62 E-04	4.10 E-05
10	572151	6.21 E-02	2.47 E-03	5.76 E-02	2.08 E-03	9.60 E-03	5.40 E-04	4.33 E-04	3.84 E-05
11	572152	5.93 E-02	2.26 E-03	5.52 E-02	1.90 E-03	8.77 E-03	4.93 E-04	3.96 E-04	3.51 E-05
12	572153	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
13	572154	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
14	572155	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
15	572156	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
16	573128	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
17	573129	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
18	573130	3.00 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.52 E-04	1.34 E-05	1.02 E-05	1.23 E-06
19	573131	3.04 E-02	3.35 E-05	3.04 E-02	3.35 E-05	4.61 E-04	1.34 E-05	1.96 E-05	1.24 E-06
20	573132	3.01 E-02	3.34 E-05	3.01 E-02	3.34 E-05	2.72 E-04	1.34 E-05	1.38 E-05	1.23 E-06
21	573133	3.05 E-02	5.03 E-05	3.04 E-02	4.76 E-05	4.22 E-04	1.70 E-05	1.93 E-05	1.49 E-06
22	573134	2.63 E+00	8.69 E-04	2.63 E+00	8.60 E-04	5.00 E-01	4.80 E-04	5.20 E-02	3.12 E-05
23	573135	3.19 E-02	1.34 E-04	3.16 E-02	1.18 E-04	8.62 E-04	3.51 E-05	3.74 E-05	2.76 E-06
24	573136	9.82 E-02	1.45 E-02	9.79 E-02	1.45 E-02	1.41 E-02	8.32 E-03	1.37 E-03	5.34 E-04
25	573137	1.05 E+01	2.12 E-02	1.05 E+01	2.11 E-02	2.04 E+00	1.23 E-02	2.33 E-01	7.86 E-04
26	573138	2.62 E+00	8.31 E-04	2.60 E+00	7.13 E-04	1.90 E+00	1.96 E-04	5.80 E-02	1.37 E-05
27	573139	3.27 E+00	1.14 E-03	3.24 E+00	9.76 E-04	2.37 E+00	2.66 E-04	7.24 E-02	1.85 E-05
28	573140	2.83 E+00	1.44 E-03	2.80 E+00	1.23 E-03	1.99 E+00	3.29 E-04	6.08 E-02	2.30 E-05
29	573141	3.37 E+00	1.74 E-03	3.34 E+00	1.47 E-03	2.13 E+00	3.92 E-04	6.54 E-02	2.75 E-05
30	573142	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	1.52 E-04	1.41 E-05	1.02 E-05	1.29 E-06
31	573143	5.15 E+00	2.19 E-03	5.14 E+00	1.84 E-03	1.23 E+00	4.78 E-04	3.75 E-02	3.40 E-05
32	573144	5.95 E+00	2.24 E-03	5.94 E+00	1.89 E-03	1.42 E+00	4.91 E-04	4.34 E-02	3.49 E-05
33	573145	5.81 E+00	2.69 E-03	5.80 E+00	2.27 E-03	1.38 E+00	5.88 E-04	4.23 E-02	4.18 E-05
34	573146	4.75 E+00	2.79 E-03	4.74 E+00	2.35 E-03	1.13 E+00	6.10 E-04	3.46 E-02	4.33 E-05
35	573147	3.06 E+00	2.84 E-03	3.05 E+00	2.39 E-03	7.27 E-01	6.22 E-04	2.23 E-02	4.41 E-05
36	573148	1.73 E+00	2.84 E-03	1.72 E+00	2.39 E-03	4.08 E-01	6.20 E-04	1.26 E-02	4.40 E-05

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
573149	6.65 E-02	2.80 E-03	6.13 E-02	2.36 E-03	1.09 E-02	6.13 E-04	4.89 E-04	4.35 E-05
573150	6.51 E-02	2.69 E-03	6.01 E-02	2.27 E-03	1.05 E-02	5.88 E-04	4.70 E-04	4.18 E-05
573151	7.26 E-02	2.57 E-03	6.77 E-02	2.16 E-03	1.09 E-02	5.60 E-04	6.25 E-04	3.98 E-05
573152	6.10 E-02	2.39 E-03	5.66 E-02	2.01 E-03	9.26 E-03	5.23 E-04	4.18 E-04	3.71 E-05
573153	5.83 E-02	2.19 E-03	5.43 E-02	1.84 E-03	8.47 E-03	4.78 E-04	3.83 E-04	3.40 E-05
573154	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	1.52 E-04	1.41 E-05	1.02 E-05	1.29 E-06
573155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	1.52 E-04	1.41 E-05	1.02 E-05	1.29 E-06
573156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	1.52 E-04	1.41 E-05	1.02 E-05	1.29 E-06
574128	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	1.52 E-04	1.41 E-05	1.02 E-05	1.29 E-06
574129	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	1.52 E-04	1.41 E-05	1.02 E-05	1.29 E-06
574130	3.05 E-02	3.53 E-05	3.05 E-02	3.53 E-05	5.51 E-04	1.41 E-05	2.23 E-05	1.30 E-06
574131	3.06 E-02	3.53 E-05	3.06 E-02	3.53 E-05	6.26 E-04	1.42 E-05	2.46 E-05	1.30 E-06
574132	3.02 E-02	3.52 E-05	3.02 E-02	3.52 E-05	3.35 E-04	1.41 E-05	1.57 E-05	1.29 E-06
574133	3.04 E-02	3.53 E-05	3.04 E-02	3.53 E-05	4.57 E-04	1.41 E-05	1.94 E-05	1.29 E-06
574134	3.16 E-02	1.18 E-04	3.15 E-02	1.05 E-04	9.06 E-04	3.20 E-05	3.76 E-05	2.55 E-06
574135	3.18 E-02	4.10 E-03	3.16 E-02	4.09 E-03	9.64 E-04	2.34 E-03	3.97 E-05	1.51 E-04
574136	8.27 E-02	2.63 E-02	8.25 E-02	2.62 E-02	2.56 E-02	1.52 E-02	1.71 E-03	9.75 E-04
574137	3.50 E-02	3.86 E-04	3.43 E-02	3.30 E-04	1.80 E-03	9.01 E-05	7.97 E-05	6.65 E-06
574138	3.76 E-02	6.09 E-04	3.65 E-02	5.17 E-04	2.43 E-03	1.38 E-04	1.11 E-04	1.00 E-05
574139	3.00 E-02	1.27 E-03	3.00 E-02	1.27 E-03	2.08 E-04	7.35 E-04	1.17 E-05	4.75 E-05
574140	4.43 E-02	1.12 E-03	4.23 E-02	9.48 E-04	4.42 E-03	2.49 E-04	2.00 E-04	1.78 E-05
574141	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
574142	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
574143	4.37 E+00	1.71 E-03	4.37 E+00	1.44 E-03	1.04 E+00	3.76 E-04	3.18 E-02	2.68 E-05
574144	5.64 E+00	1.95 E-03	5.63 E+00	1.64 E-03	1.34 E+00	4.27 E-04	4.10 E-02	3.04 E-05
574145	6.07 E+00	2.44 E-03	6.07 E+00	2.05 E-03	1.45 E+00	5.33 E-04	4.42 E-02	3.79 E-05
574146	5.17 E+00	2.56 E-03	5.17 E+00	2.15 E-03	1.23 E+00	5.59 E-04	3.76 E-02	3.97 E-05
574147	3.55 E+00	2.64 E-03	3.55 E+00	2.22 E-03	8.44 E-01	5.77 E-04	2.59 E-02	4.10 E-05
574148	2.39 E+00	2.70 E-03	2.38 E+00	2.27 E-03	5.65 E-01	5.90 E-04	1.74 E-02	4.19 E-05
574149	6.48 E-02	2.67 E-03	5.98 E-02	2.24 E-03	1.04 E-02	5.82 E-04	4.68 E-04	4.14 E-05
574150	6.44 E-02	2.63 E-03	5.94 E-02	2.22 E-03	1.03 E-02	5.75 E-04	4.62 E-04	4.09 E-05
574151	6.35 E-02	2.57 E-03	5.86 E-02	2.16 E-03	1.00 E-02	5.60 E-04	4.50 E-04	3.98 E-05
574152	6.16 E-02	2.43 E-03	5.71 E-02	2.05 E-03	9.49 E-03	5.31 E-04	4.27 E-04	3.78 E-05
574153	5.99 E-02	2.30 E-03	5.57 E-02	1.93 E-03	8.96 E-03	5.02 E-04	4.04 E-04	3.57 E-05
574154	5.79 E-02	2.14 E-03	5.39 E-02	1.80 E-03	8.37 E-03	4.69 E-04	3.78 E-04	3.34 E-05
574155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
574156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
575128	3.05 E-02	3.53 E-05	3.05 E-02	3.53 E-05	5.71 E-04	1.41 E-05	2.27 E-05	1.30 E-06
575129	3.07 E-02	3.53 E-05	3.07 E-02	3.53 E-05	6.71 E-04	1.42 E-05	2.58 E-05	1.30 E-06
575130	3.08 E-02	3.54 E-05	3.08 E-02	3.54 E-05	7.70 E-04	1.42 E-05	2.88 E-05	1.30 E-06
575131	3.09 E-02	3.54 E-05	3.09 E-02	3.54 E-05	8.51 E-04	1.42 E-05	3.13 E-05	1.30 E-06
575132	3.07 E-02	3.53 E-05	3.07 E-02	3.53 E-05	6.71 E-04	1.42 E-05	2.58 E-05	1.30 E-06
575133	3.07 E-02	3.53 E-05	3.07 E-02	3.53 E-05	7.18 E-04	1.42 E-05	2.72 E-05	1.30 E-06
575134	3.07 E-02	3.53 E-05	3.07 E-02	3.53 E-05	6.86 E-04	1.42 E-05	2.63 E-05	1.30 E-06
575135	4.65 E-02	3.00 E-03	4.65 E-02	3.00 E-03	1.21 E-02	1.74 E-03	5.49 E-04	1.12 E-04
575136	5.21 E-02	2.03 E-04	5.21 E-02	2.03 E-04	1.63 E-02	1.11 E-04	7.41 E-04	7.53 E-06
575137	3.31 E-02	3.24 E-04	3.26 E-02	2.87 E-04	1.10 E-03	9.76 E-05	5.15 E-05	6.97 E-06
575138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
575139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
575140	4.03 E-02	8.19 E-04	3.89 E-02	6.93 E-04	3.25 E-03	1.83 E-04	1.48 E-04	1.32 E-05
575141	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
575142	4.48 E-02	1.15 E-03	4.27 E-02	9.77 E-04	4.55 E-03	2.57 E-04	2.06 E-04	1.83 E-05
575143	3.11 E+00	1.28 E-03	3.10 E+00	1.09 E-03	7.37 E-01	2.84 E-04	2.25 E-02	2.03 E-05
575144	4.66 E+00	1.58 E-03	4.66 E+00	1.33 E-03	1.11 E+00	3.48 E-04	3.39 E-02	2.49 E-05
575145	5.46 E+00	2.08 E-03	5.45 E+00	1.75 E-03	1.30 E+00	4.54 E-04	3.98 E-02	3.24 E-05
575146	5.01 E+00	2.23 E-03	5.00 E+00	1.87 E-03	1.19 E+00	4.87 E-04	3.65 E-02	3.47 E-05
575147	3.59 E+00	2.32 E-03	3.59 E+00	1.95 E-03	8.54 E-01	5.07 E-04	2.61 E-02	3.61 E-05
575148	2.92 E+00	2.46 E-03	2.92 E+00	2.07 E-03	6.93 E-01	5.38 E-04	2.12 E-02	3.83 E-05
575149	1.72 E+00	2.51 E-03	1.72 E+00	2.11 E-03	4.07 E-01	5.48 E-04	1.25 E-02	3.89 E-05
575150	6.15 E-02	2.42 E-03	5.70 E-02	2.04 E-03	9.45 E-03	5.29 E-04	4.25 E-04	3.76 E-05
575151	6.21 E-02	2.47 E-03	5.76 E-02	2.08 E-03	9.65 E-03	5.40 E-04	4.34 E-04	3.84 E-05
575152	6.11 E-02	2.39 E-03	5.66 E-02	2.01 E-03	9.32 E-03	5.22 E-04	4.19 E-04	3.71 E-05
575153	6.04 E-02	2.34 E-03	5.60 E-02	1.97 E-03	9.13 E-03	5.11 E-04	4.10 E-04	3.64 E-05
575154	5.83 E-02	2.18 E-03	5.43 E-02	1.83 E-03	8.50 E-03	4.76 E-04	3.83 E-04	3.39 E-05
575155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
575156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
576126	1.17 E-01	9.72 E-08	2.77 E-02	9.72 E-08	1.57 E-03	5.77 E-08	8.08 E-05	2.45 E-09
576127	5.17 E-04	1.31 E-07	5.17 E-04	1.31 E-07	3.81 E-04	7.75 E-08	1.16 E-05	3.30 E-09
576128	3.07 E-02	3.53 E-05	3.07 E-02	3.53 E-05	7.03 E-04	1.42 E-05	2.68 E-05	1.30 E-06
576129	3.09 E-02	3.54 E-05	3.09 E-02	3.54 E-05	8.16 E-04	1.42 E-05	3.02 E-05	1.30 E-06
576130	3.10 E-02	3.54 E-05	3.10 E-02	3.54 E-05	9.21 E-04	1.42 E-05	3.34 E-05	1.30 E-06
576131	3.11 E-02	3.54 E-05	3.11 E-02	3.54 E-05	9.83 E-04	1.42 E-05	3.53 E-05	1.30 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
576132	3.11 E-02	3.54 E-05	3.11 E-02	3.54 E-05	9.99 E-04	1.42 E-05	3.58 E-05	1.30 E-06
576133	3.07 E-02	3.53 E-05	3.07 E-02	3.53 E-05	7.10 E-04	1.42 E-05	2.70 E-05	1.30 E-06
576134	3.07 E-02	3.53 E-05	3.07 E-02	3.53 E-05	6.66 E-04	1.42 E-05	2.56 E-05	1.30 E-06
576135	3.05 E-02	3.53 E-05	3.05 E-02	3.53 E-05	5.74 E-04	1.41 E-05	2.29 E-05	1.30 E-06
576136	3.04 E-02	3.52 E-05	3.04 E-02	3.52 E-05	4.64 E-04	1.41 E-05	1.95 E-05	1.29 E-06
576137	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
576138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
576139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
576140	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
576141	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
576142	4.34 E-02	1.05 E-03	4.15 E-02	8.91 E-04	4.16 E-03	2.35 E-04	1.88 E-04	1.68 E-05
576143	2.59 E+00	1.30 E-03	2.58 E+00	1.10 E-03	6.13 E-01	2.88 E-04	1.87 E-02	2.05 E-05
576144	3.45 E+00	1.48 E-03	3.45 E+00	1.26 E-03	8.18 E-01	3.28 E-04	2.51 E-02	2.34 E-05
576145	4.30 E+00	1.69 E-03	4.30 E+00	1.42 E-03	1.03 E+00	3.70 E-04	3.13 E-02	2.64 E-05
576146	4.62 E+00	1.85 E-03	4.62 E+00	1.55 E-03	1.10 E+00	4.05 E-04	3.36 E-02	2.89 E-05
576147	4.31 E+00	2.01 E-03	4.30 E+00	1.69 E-03	1.03 E+00	4.40 E-04	3.14 E-02	3.13 E-05
576148	3.19 E+00	2.17 E-03	3.18 E+00	1.82 E-03	7.56 E-01	4.74 E-04	2.32 E-02	3.38 E-05
576149	2.07 E+00	2.24 E-03	2.07 E+00	1.89 E-03	4.91 E-01	4.91 E-04	1.51 E-02	3.49 E-05
576150	1.20 E+00	2.24 E-03	1.20 E+00	1.89 E-03	2.82 E-01	4.91 E-04	8.72 E-03	3.49 E-05
576151	6.00 E-02	2.31 E-03	5.58 E-02	1.95 E-03	9.03 E-03	5.05 E-04	4.06 E-04	3.60 E-05
576152	5.99 E-02	2.30 E-03	5.57 E-02	1.94 E-03	8.99 E-03	5.04 E-04	4.04 E-04	3.58 E-05
576153	5.92 E-02	2.24 E-03	5.51 E-02	1.89 E-03	8.76 E-03	4.91 E-04	3.95 E-04	3.49 E-05
576154	5.72 E-02	2.09 E-03	5.34 E-02	1.76 E-03	8.17 E-03	4.58 E-04	3.69 E-04	3.26 E-05
576155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
576156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
577123	1.10 E+00	0.00 E+00	2.59 E-01	0.00 E+00	1.22 E-02	0.00 E+00	6.85 E-04	0.00 E+00
577124	6.83 E-01	0.00 E+00	1.60 E-01	0.00 E+00	7.56 E-03	0.00 E+00	4.23 E-04	0.00 E+00
577125	4.06 E-01	9.68 E-08	9.54 E-02	9.68 E-08	4.78 E-03	5.75 E-08	2.60 E-04	2.44 E-09
577126	2.22 E-01	1.31 E-07	5.24 E-02	1.31 E-07	2.83 E-03	7.75 E-08	1.49 E-04	3.30 E-09
577127	1.79 E-02	1.70 E-07	4.70 E-03	1.70 E-07	6.86 E-04	1.01 E-07	2.58 E-05	4.29 E-09
577128	4.16 E-02	3.54 E-05	3.34 E-02	3.54 E-05	9.46 E-04	1.42 E-05	3.72 E-05	1.30 E-06
577129	3.10 E-02	3.54 E-05	3.10 E-02	3.54 E-05	9.44 E-04	1.42 E-05	3.41 E-05	1.30 E-06
577130	3.12 E-02	3.54 E-05	3.12 E-02	3.54 E-05	1.03 E-03	1.42 E-05	3.68 E-05	1.30 E-06
577131	3.12 E-02	3.55 E-05	3.12 E-02	3.55 E-05	1.08 E-03	1.42 E-05	3.82 E-05	1.30 E-06
577132	3.12 E-02	3.55 E-05	3.12 E-02	3.55 E-05	1.06 E-03	1.42 E-05	3.77 E-05	1.30 E-06
577133	3.11 E-02	3.54 E-05	3.11 E-02	3.54 E-05	9.68 E-04	1.42 E-05	3.49 E-05	1.30 E-06

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
577134	3.09 E-02	3.54 E-05	3.09 E-02	3.54 E-05	8.15 E-04	1.42 E-05	3.02 E-05	1.30 E-06
577135	3.06 E-02	3.53 E-05	3.06 E-02	3.53 E-05	6.46 E-04	1.42 E-05	2.50 E-05	1.30 E-06
577136	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
577137	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
577138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
577139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
577140	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
577141	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
577142	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
577143	1.95 E+00	9.10 E-05	1.95 E+00	8.20 E-05	4.59 E-01	2.61 E-05	1.40 E-02	2.14 E-06
577144	3.11 E+00	1.17 E-03	3.10 E+00	9.91 E-04	7.37 E-01	2.60 E-04	2.25 E-02	1.86 E-05
577145	4.05 E+00	1.34 E-03	4.04 E+00	1.13 E-03	9.63 E-01	2.97 E-04	2.94 E-02	2.12 E-05
577146	4.44 E+00	1.52 E-03	4.44 E+00	1.28 E-03	1.06 E+00	3.35 E-04	3.23 E-02	2.40 E-05
577147	4.10 E+00	1.65 E-03	4.10 E+00	1.38 E-03	9.74 E-01	3.61 E-04	2.98 E-02	2.58 E-05
577148	3.25 E+00	1.86 E-03	3.25 E+00	1.57 E-03	7.71 E-01	4.08 E-04	2.36 E-02	2.91 E-05
577149	2.28 E+00	1.95 E-03	2.27 E+00	1.64 E-03	5.38 E-01	4.27 E-04	1.65 E-02	3.04 E-05
577150	1.46 E+00	1.97 E-03	1.45 E+00	1.66 E-03	3.43 E-01	4.32 E-04	1.05 E-02	3.08 E-05
577151	8.19 E-01	2.23 E-03	8.15 E-01	1.87 E-03	1.91 E-01	4.87 E-04	5.93 E-03	3.47 E-05
577152	6.65 E-02	2.20 E-03	6.24 E-02	1.85 E-03	9.39 E-03	4.82 E-04	5.38 E-04	3.43 E-05
577153	5.77 E-02	2.13 E-03	5.37 E-02	1.79 E-03	8.30 E-03	4.65 E-04	3.75 E-04	3.31 E-05
577154	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
577155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
577156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
578122	2.48 E+00	5.03 E-08	5.80 E-01	5.03 E-08	2.75 E-02	2.99 E-08	1.53 E-03	1.27 E-09
578123	1.62 E+00	6.76 E-08	3.78 E-01	6.76 E-08	1.81 E-02	4.01 E-08	1.01 E-03	1.71 E-09
578124	1.05 E+00	9.37 E-08	2.47 E-01	9.37 E-08	1.20 E-02	5.56 E-08	6.62 E-04	2.37 E-09
578125	6.78 E-01	1.27 E-07	1.60 E-01	1.27 E-07	7.87 E-03	7.52 E-08	4.31 E-04	3.20 E-09
578126	1.20 E-01	1.65 E-07	2.87 E-02	1.65 E-07	1.80 E-03	9.78 E-08	8.86 E-05	4.16 E-09
578127	8.52 E-02	2.06 E-07	2.06 E-02	2.06 E-07	1.54 E-03	1.22 E-07	7.06 E-05	5.21 E-09
578128	6.67 E-02	3.54 E-05	3.94 E-02	3.54 E-05	1.33 E-03	1.42 E-05	5.58 E-05	1.30 E-06
578129	5.07 E-02	3.54 E-05	3.57 E-02	3.54 E-05	1.25 E-03	1.42 E-05	4.90 E-05	1.30 E-06
578130	3.13 E-02	3.55 E-05	3.13 E-02	3.55 E-05	1.10 E-03	1.42 E-05	3.88 E-05	1.30 E-06
578131	3.13 E-02	3.55 E-05	3.13 E-02	3.55 E-05	1.11 E-03	1.43 E-05	3.93 E-05	1.30 E-06
578132	3.12 E-02	3.55 E-05	3.12 E-02	3.55 E-05	1.06 E-03	1.42 E-05	3.76 E-05	1.30 E-06
578133	3.10 E-02	3.54 E-05	3.10 E-02	3.54 E-05	9.46 E-04	1.42 E-05	3.42 E-05	1.30 E-06
578134	3.08 E-02	3.54 E-05	3.08 E-02	3.54 E-05	7.83 E-04	1.42 E-05	2.92 E-05	1.30 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
578135	3.06 E-02	3.53 E-05	3.06 E-02	3.53 E-05	6.09 E-04	1.41 E-05	2.39 E-05	1.30 E-06
578136	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
578137	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
578138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
578139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
578140	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
578141	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
578142	4.64 E-01	1.41 E-04	4.63 E-01	1.24 E-04	1.04 E-01	3.68 E-05	3.18 E-03	2.90 E-06
578143	1.45 E+00	4.94 E-04	1.45 E+00	4.20 E-04	3.39 E-01	1.13 E-04	1.04 E-02	8.28 E-06
578144	2.38 E+00	6.77 E-04	2.38 E+00	5.75 E-04	5.63 E-01	1.52 E-04	1.72 E-02	1.11 E-05
578145	3.19 E+00	1.06 E-03	3.19 E+00	8.98 E-04	7.57 E-01	2.36 E-04	2.32 E-02	1.69 E-05
578146	3.70 E+00	1.18 E-03	3.69 E+00	9.98 E-04	8.77 E-01	2.62 E-04	2.68 E-02	1.87 E-05
578147	3.61 E+00	1.31 E-03	3.60 E+00	1.11 E-03	8.55 E-01	2.89 E-04	2.61 E-02	2.07 E-05
578148	3.22 E+00	1.55 E-03	3.22 E+00	1.31 E-03	7.65 E-01	3.43 E-04	2.34 E-02	2.45 E-05
578149	2.48 E+00	1.63 E-03	2.48 E+00	1.37 E-03	5.87 E-01	3.57 E-04	1.80 E-02	2.55 E-05
578150	1.62 E+00	1.66 E-03	1.62 E+00	1.40 E-03	3.83 E-01	3.65 E-04	1.18 E-02	2.60 E-05
578151	9.28 E-01	2.10 E-03	9.24 E-01	1.77 E-03	2.16 E-01	4.60 E-04	6.72 E-03	3.27 E-05
578152	5.70 E-02	2.08 E-03	5.32 E-02	1.75 E-03	8.14 E-03	4.56 E-04	3.66 E-04	3.25 E-05
578153	5.59 E-02	1.99 E-03	5.22 E-02	1.68 E-03	7.78 E-03	4.36 E-04	3.51 E-04	3.11 E-05
578154	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
578155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
578156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579121	4.81 E+00	4.95 E-08	1.13 E+00	4.95 E-08	5.34 E-02	2.94 E-08	2.98 E-03	1.25 E-09
579122	3.39 E+00	6.84 E-08	7.94 E-01	6.84 E-08	3.78 E-02	4.06 E-08	2.11 E-03	1.73 E-09
579123	2.39 E+00	8.83 E-08	5.59 E-01	8.83 E-08	2.67 E-02	5.24 E-08	1.49 E-03	2.23 E-09
579124	1.61 E+00	1.19 E-07	3.77 E-01	1.19 E-07	1.81 E-02	7.05 E-08	1.01 E-03	3.00 E-09
579125	9.56 E-01	1.54 E-07	2.25 E-01	1.54 E-07	1.10 E-02	9.12 E-08	6.06 E-04	3.88 E-09
579126	1.65 E-01	1.94 E-07	3.93 E-02	1.94 E-07	2.38 E-03	1.15 E-07	1.19 E-04	4.89 E-09
579127	1.19 E-01	2.33 E-07	2.85 E-02	2.33 E-07	1.98 E-03	1.39 E-07	9.36 E-05	5.90 E-09
579128	1.12 E-01	3.54 E-05	5.00 E-02	3.54 E-05	1.89 E-03	1.42 E-05	8.56 E-05	1.30 E-06
579129	8.38 E-02	3.55 E-05	4.35 E-02	3.55 E-05	1.66 E-03	1.42 E-05	7.08 E-05	1.30 E-06
579130	6.80 E-02	3.55 E-05	3.99 E-02	3.55 E-05	1.52 E-03	1.43 E-05	6.20 E-05	1.30 E-06
579131	5.58 E-02	3.55 E-05	3.70 E-02	3.55 E-05	1.37 E-03	1.42 E-05	5.38 E-05	1.30 E-06
579132	4.29 E-02	3.54 E-05	3.39 E-02	3.54 E-05	1.14 E-03	1.42 E-05	4.35 E-05	1.30 E-06
579133	3.69 E-02	3.54 E-05	3.23 E-02	3.54 E-05	9.44 E-04	1.42 E-05	3.58 E-05	1.30 E-06
579134	3.07 E-02	3.53 E-05	3.07 E-02	3.53 E-05	7.18 E-04	1.42 E-05	2.72 E-05	1.30 E-06

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
579135	3.05 E-02	3.53 E-05	3.05 E-02	3.53 E-05	5.51 E-04	1.41 E-05	2.21 E-05	1.29 E-06
579136	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579137	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579140	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579141	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579142	5.13 E-01	1.71 E-04	5.13 E-01	1.50 E-04	1.16 E-01	4.35 E-05	3.55 E-03	3.36 E-06
579143	1.04 E+00	5.00 E-04	1.04 E+00	4.26 E-04	2.41 E-01	1.14 E-04	7.39 E-03	8.37 E-06
579144	1.73 E+00	6.83 E-04	1.73 E+00	5.79 E-04	4.07 E-01	1.54 E-04	1.24 E-02	1.12 E-05
579145	2.46 E+00	1.63 E-03	2.46 E+00	1.37 E-03	5.82 E-01	3.57 E-04	1.78 E-02	2.55 E-05
579146	2.99 E+00	1.09 E-03	2.99 E+00	9.20 E-04	7.09 E-01	2.42 E-04	2.17 E-02	1.73 E-05
579147	3.25 E+00	1.26 E-03	3.24 E+00	1.07 E-03	7.69 E-01	2.80 E-04	2.35 E-02	2.00 E-05
579148	2.95 E+00	1.41 E-03	2.95 E+00	1.19 E-03	7.00 E-01	3.11 E-04	2.14 E-02	2.23 E-05
579149	2.30 E+00	1.53 E-03	2.30 E+00	1.30 E-03	5.44 E-01	3.39 E-04	1.67 E-02	2.42 E-05
579150	1.54 E+00	1.86 E-03	1.54 E+00	1.56 E-03	3.64 E-01	4.07 E-04	1.12 E-02	2.90 E-05
579151	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579152	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579153	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579154	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
579156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580057	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
580067	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
580077	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
580087	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
580097	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
580107	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
580120	8.10 E+00	4.80 E-08	1.90 E+00	4.80 E-08	8.99 E-02	2.85 E-08	5.02 E-03	1.21 E-09
580121	6.27 E+00	6.45 E-08	1.47 E+00	6.45 E-08	6.97 E-02	3.83 E-08	3.90 E-03	1.63 E-09
580122	4.70 E+00	7.68 E-08	1.10 E+00	7.68 E-08	5.22 E-02	4.56 E-08	2.92 E-03	1.94 E-09
580123	3.37 E+00	1.07 E-07	7.90 E-01	1.07 E-07	3.77 E-02	6.34 E-08	2.10 E-03	2.70 E-09
580124	2.21 E+00	1.42 E-07	5.18 E-01	1.42 E-07	2.49 E-02	8.41 E-08	1.38 E-03	3.58 E-09
580125	1.44 E+00	1.78 E-07	3.38 E-01	1.78 E-07	1.64 E-02	1.06 E-07	9.07 E-04	4.50 E-09
580126	2.21 E-01	2.14 E-07	5.24 E-02	2.14 E-07	3.06 E-03	1.27 E-07	1.56 E-04	5.39 E-09
580127	1.60 E-01	2.50 E-07	3.82 E-02	2.50 E-07	2.49 E-03	1.48 E-07	1.21 E-04	6.31 E-09

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
580128	1.40 E-01	3.54 E-05	5.68 E-02	3.54 E-05	2.24 E-03	1.42 E-05	1.04 E-04	1.30 E-06
580129	9.56 E-02	3.55 E-05	4.63 E-02	3.55 E-05	1.79 E-03	1.42 E-05	7.81 E-05	1.30 E-06
580130	7.68 E-02	3.55 E-05	4.19 E-02	3.55 E-05	1.59 E-03	1.42 E-05	6.65 E-05	1.30 E-06
580131	6.58 E-02	3.56 E-05	3.93 E-02	3.56 E-05	1.41 E-03	1.43 E-05	5.82 E-05	1.30 E-06
580132	6.33 E-02	3.54 E-05	3.86 E-02	3.54 E-05	1.29 E-03	1.42 E-05	5.37 E-05	1.30 E-06
580133	3.08 E-02	3.54 E-05	3.08 E-02	3.54 E-05	7.93 E-04	1.42 E-05	2.95 E-05	1.30 E-06
580134	3.06 E-02	3.53 E-05	3.06 E-02	3.53 E-05	6.37 E-04	1.42 E-05	2.48 E-05	1.30 E-06
580135	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580136	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580137	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580140	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580141	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580142	5.45 E-01	2.04 E-04	5.45 E-01	1.77 E-04	1.24 E-01	5.04 E-05	3.78 E-03	3.85 E-06
580143	7.15 E-01	1.31 E-04	7.15 E-01	1.15 E-04	1.65 E-01	3.46 E-05	5.02 E-03	2.74 E-06
580144	1.42 E+00	2.12 E-04	1.42 E+00	1.83 E-04	3.33 E-01	5.21 E-05	1.01 E-02	3.97 E-06
580145	2.07 E+00	2.29 E-04	2.07 E+00	1.98 E-04	4.89 E-01	5.59 E-05	1.49 E-02	4.24 E-06
580146	2.60 E+00	2.43 E-04	2.60 E+00	2.09 E-04	6.14 E-01	5.89 E-05	1.87 E-02	4.45 E-06
580147	2.73 E+00	1.04 E-03	2.73 E+00	8.77 E-04	6.45 E-01	2.31 E-04	1.98 E-02	1.65 E-05
580148	2.41 E+00	1.17 E-03	2.40 E+00	9.91 E-04	5.70 E-01	2.60 E-04	1.74 E-02	1.86 E-05
580149	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580150	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580151	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580152	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580153	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580154	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
580157	9.56 E-05	2.42 E-07	9.56 E-05	2.42 E-07	1.83 E-06	9.72 E-08	7.53 E-08	8.88 E-09
580167	9.56 E-05	2.42 E-07	9.56 E-05	2.42 E-07	1.83 E-06	9.70 E-08	7.53 E-08	8.87 E-09
580177	9.56 E-05	2.42 E-07	9.56 E-05	2.42 E-07	1.83 E-06	9.70 E-08	7.53 E-08	8.87 E-09
580187	9.56 E-05	2.42 E-07	9.56 E-05	2.42 E-07	1.83 E-06	9.70 E-08	7.53 E-08	8.87 E-09
580197	9.45 E-05	2.42 E-07	9.45 E-05	2.42 E-07	1.11 E-06	9.70 E-08	5.53 E-08	8.87 E-09
580207	9.45 E-05	2.42 E-07	9.45 E-05	2.42 E-07	1.11 E-06	9.70 E-08	5.53 E-08	8.87 E-09
581118	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	581119	1.32 E+01	3.52 E-05	3.11 E+00	3.52 E-05	1.46 E-01	1.41 E-05	8.17 E-03	1.29 E-06
2	581120	1.05 E+01	3.52 E-05	2.50 E+00	3.52 E-05	1.17 E-01	1.41 E-05	6.56 E-03	1.29 E-06
3	581121	8.30 E+00	3.52 E-05	1.97 E+00	3.52 E-05	9.20 E-02	1.41 E-05	5.15 E-03	1.29 E-06
4	581122	6.02 E+00	3.52 E-05	1.43 E+00	3.52 E-05	6.69 E-02	1.41 E-05	3.74 E-03	1.29 E-06
5	581123	4.43 E+00	3.53 E-05	1.06 E+00	3.53 E-05	4.94 E-02	1.41 E-05	2.75 E-03	1.30 E-06
6	581124	3.12 E+00	3.53 E-05	7.54 E-01	3.53 E-05	3.49 E-02	1.42 E-05	1.94 E-03	1.30 E-06
7	581125	2.10 E+00	3.54 E-05	5.16 E-01	3.54 E-05	2.37 E-02	1.42 E-05	1.31 E-03	1.30 E-06
8	581126	1.26 E+00	3.54 E-05	3.18 E-01	3.54 E-05	1.45 E-02	1.42 E-05	7.92 E-04	1.30 E-06
9	581127	2.36 E-01	3.54 E-05	7.91 E-02	3.54 E-05	3.23 E-03	1.42 E-05	1.62 E-04	1.30 E-06
10	581128	1.59 E-01	3.54 E-05	6.11 E-02	3.54 E-05	2.44 E-03	1.42 E-05	1.16 E-04	1.30 E-06
11	581129	1.26 E-01	3.54 E-05	5.34 E-02	3.54 E-05	2.09 E-03	1.42 E-05	9.57 E-05	1.30 E-06
12	581130	8.53 E-02	3.54 E-05	4.38 E-02	3.54 E-05	1.61 E-03	1.42 E-05	6.98 E-05	1.30 E-06
13	581131	6.36 E-02	3.57 E-05	3.87 E-02	3.57 E-05	1.31 E-03	1.44 E-05	5.43 E-05	1.30 E-06
14	581132	6.14 E-02	3.58 E-05	3.80 E-02	3.58 E-05	1.17 E-03	1.44 E-05	4.96 E-05	1.31 E-06
15	581133	3.07 E-02	3.54 E-05	3.07 E-02	3.54 E-05	6.99 E-04	1.42 E-05	2.66 E-05	1.30 E-06
16	581134	3.05 E-02	3.53 E-05	3.05 E-02	3.53 E-05	5.59 E-04	1.41 E-05	2.24 E-05	1.30 E-06
17	581135	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
18	581136	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
19	581137	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
20	581138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
21	581139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
22	581140	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
23	581141	3.20 E-01	1.92 E-04	3.20 E-01	1.67 E-04	6.97 E-02	4.79 E-05	2.14 E-03	3.67 E-06
24	581142	5.59 E-01	2.32 E-04	5.58 E-01	2.00 E-04	1.27 E-01	5.65 E-05	3.89 E-03	4.28 E-06
25	581143	9.08 E-01	2.66 E-04	9.08 E-01	2.29 E-04	2.10 E-01	6.38 E-05	6.43 E-03	4.80 E-06
26	581144	1.23 E+00	2.17 E-04	1.23 E+00	1.87 E-04	2.88 E-01	5.32 E-05	8.80 E-03	4.05 E-06
27	581145	1.76 E+00	2.39 E-04	1.76 E+00	2.06 E-04	4.14 E-01	5.79 E-05	1.26 E-02	4.38 E-06
28	581146	2.21 E+00	2.53 E-04	2.21 E+00	2.18 E-04	5.23 E-01	6.10 E-05	1.59 E-02	4.60 E-06
29	581147	2.17 E+00	8.49 E-04	2.17 E+00	7.18 E-04	5.12 E-01	1.89 E-04	1.57 E-02	1.36 E-05
30	581148	1.84 E+00	9.61 E-04	1.84 E+00	8.13 E-04	4.34 E-01	2.14 E-04	1.33 E-02	1.54 E-05
31	581149	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
32	581150	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
33	581151	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
34	581152	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
35	581153	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
36	581154	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
581155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
581156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582118	1.98 E+01	3.52 E-05	4.67 E+00	3.52 E-05	2.20 E-01	1.41 E-05	1.23 E-02	1.29 E-06
582119	1.64 E+01	3.52 E-05	3.88 E+00	3.52 E-05	1.82 E-01	1.41 E-05	1.02 E-02	1.29 E-06
582120	1.34 E+01	3.52 E-05	3.16 E+00	3.52 E-05	1.48 E-01	1.41 E-05	8.31 E-03	1.29 E-06
582121	1.02 E+01	3.53 E-05	2.42 E+00	3.53 E-05	1.13 E-01	1.41 E-05	6.35 E-03	1.29 E-06
582122	7.86 E+00	3.53 E-05	1.86 E+00	3.53 E-05	8.72 E-02	1.41 E-05	4.87 E-03	1.29 E-06
582123	5.86 E+00	3.53 E-05	1.40 E+00	3.53 E-05	6.52 E-02	1.41 E-05	3.63 E-03	1.30 E-06
582124	3.99 E+00	3.53 E-05	9.58 E-01	3.53 E-05	4.45 E-02	1.42 E-05	2.48 E-03	1.30 E-06
582125	2.72 E+00	3.54 E-05	6.62 E-01	3.54 E-05	3.06 E-02	1.42 E-05	1.70 E-03	1.30 E-06
582126	1.77 E+00	3.54 E-05	4.38 E-01	3.54 E-05	2.01 E-02	1.42 E-05	1.11 E-03	1.30 E-06
582127	1.09 E+00	3.54 E-05	2.79 E-01	3.54 E-05	1.27 E-02	1.42 E-05	6.91 E-04	1.30 E-06
582128	6.14 E-01	3.54 E-05	1.68 E-01	3.54 E-05	7.44 E-03	1.42 E-05	3.96 E-04	1.30 E-06
582129	3.36 E-01	3.54 E-05	1.02 E-01	3.54 E-05	4.35 E-03	1.42 E-05	2.24 E-04	1.30 E-06
582130	1.74 E-01	3.54 E-05	6.45 E-02	3.54 E-05	2.51 E-03	1.42 E-05	1.22 E-04	1.30 E-06
582131	8.47 E-02	3.54 E-05	4.35 E-02	3.54 E-05	1.44 E-03	1.42 E-05	6.42 E-05	1.30 E-06
582132	3.08 E-02	3.57 E-05	3.08 E-02	3.57 E-05	7.27 E-04	1.43 E-05	2.75 E-05	1.30 E-06
582133	3.06 E-02	3.55 E-05	3.06 E-02	3.55 E-05	6.00 E-04	1.43 E-05	2.36 E-05	1.30 E-06
582134	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582135	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582136	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582137	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582140	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582141	3.38 E-01	1.96 E-04	3.38 E-01	1.70 E-04	7.40 E-02	4.86 E-05	2.27 E-03	3.73 E-06
582142	5.95 E-01	2.37 E-04	5.94 E-01	2.05 E-04	1.35 E-01	5.76 E-05	4.15 E-03	4.36 E-06
582143	9.30 E-01	2.76 E-04	9.29 E-01	2.37 E-04	2.15 E-01	6.60 E-05	6.58 E-03	4.95 E-06
582144	1.28 E+00	3.09 E-04	1.28 E+00	2.64 E-04	3.00 E-01	7.29 E-05	9.18 E-03	5.45 E-06
582145	1.56 E+00	3.30 E-04	1.56 E+00	2.82 E-04	3.67 E-01	7.75 E-05	1.13 E-02	5.77 E-06
582146	1.67 E+00	3.38 E-04	1.67 E+00	2.88 E-04	3.93 E-01	7.93 E-05	1.20 E-02	5.89 E-06
582147	3.24 E+00	6.16 E-04	3.24 E+00	5.23 E-04	7.66 E-01	1.39 E-04	2.34 E-02	1.01 E-05
582148	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582149	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582150	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582151	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
582152	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582153	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582154	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
582156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583116	3.24 E+01	0.00 E+00	7.58 E+00	0.00 E+00	3.59 E-01	0.00 E+00	2.01 E-02	0.00 E+00
583117	2.81 E+01	0.00 E+00	6.59 E+00	0.00 E+00	3.12 E-01	0.00 E+00	1.74 E-02	0.00 E+00
583118	2.40 E+01	3.52 E-05	5.66 E+00	3.52 E-05	2.66 E-01	1.41 E-05	1.49 E-02	1.29 E-06
583119	2.01 E+01	3.52 E-05	4.75 E+00	3.52 E-05	2.23 E-01	1.41 E-05	1.25 E-02	1.29 E-06
583120	1.60 E+01	3.52 E-05	3.77 E+00	3.52 E-05	1.77 E-01	1.41 E-05	9.93 E-03	1.29 E-06
583121	1.28 E+01	3.53 E-05	3.02 E+00	3.53 E-05	1.42 E-01	1.41 E-05	7.93 E-03	1.29 E-06
583122	9.91 E+00	3.53 E-05	2.34 E+00	3.53 E-05	1.10 E-01	1.41 E-05	6.14 E-03	1.29 E-06
583123	7.13 E+00	3.53 E-05	1.69 E+00	3.53 E-05	7.93 E-02	1.42 E-05	4.42 E-03	1.30 E-06
583124	5.17 E+00	3.53 E-05	1.24 E+00	3.53 E-05	5.77 E-02	1.42 E-05	3.22 E-03	1.30 E-06
583125	3.59 E+00	3.54 E-05	8.66 E-01	3.54 E-05	4.03 E-02	1.42 E-05	2.24 E-03	1.30 E-06
583126	2.39 E+00	3.54 E-05	5.85 E-01	3.54 E-05	2.71 E-02	1.42 E-05	1.50 E-03	1.30 E-06
583127	1.42 E+00	3.54 E-05	3.56 E-01	3.54 E-05	1.63 E-02	1.42 E-05	8.93 E-04	1.30 E-06
583128	8.80 E-01	3.54 E-05	2.30 E-01	3.54 E-05	1.03 E-02	1.42 E-05	5.59 E-04	1.30 E-06
583129	4.92 E-01	3.54 E-05	1.39 E-01	3.54 E-05	6.00 E-03	1.42 E-05	3.18 E-04	1.30 E-06
583130	2.40 E-01	3.54 E-05	7.98 E-02	3.54 E-05	3.13 E-03	1.42 E-05	1.59 E-04	1.30 E-06
583131	3.08 E-02	3.53 E-05	3.08 E-02	3.53 E-05	7.32 E-04	1.42 E-05	2.77 E-05	1.30 E-06
583132	3.06 E-02	3.54 E-05	3.06 E-02	3.54 E-05	6.27 E-04	1.42 E-05	2.45 E-05	1.30 E-06
583133	3.05 E-02	3.54 E-05	3.05 E-02	3.54 E-05	5.16 E-04	1.42 E-05	2.11 E-05	1.30 E-06
583134	3.00 E-02	3.53 E-05	3.00 E-02	3.53 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583135	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583136	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583137	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583140	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583141	3.20 E-01	1.92 E-04	3.20 E-01	1.67 E-04	6.97 E-02	4.79 E-05	2.14 E-03	3.67 E-06
583142	5.59 E-01	2.32 E-04	5.58 E-01	2.00 E-04	1.27 E-01	5.65 E-05	3.89 E-03	4.28 E-06
583143	8.68 E-01	2.69 E-04	8.68 E-01	2.32 E-04	2.01 E-01	6.45 E-05	6.13 E-03	4.86 E-06
583144	1.20 E+00	3.02 E-04	1.20 E+00	2.59 E-04	2.81 E-01	7.15 E-05	8.59 E-03	5.35 E-06
583145	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583146	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
583147	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583148	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583149	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583150	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583151	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583152	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583153	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583154	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
583156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584113	2.93 E+01	0.00 E+00	6.86 E+00	0.00 E+00	3.25 E-01	0.00 E+00	1.82 E-02	0.00 E+00
584114	3.14 E+01	0.00 E+00	7.35 E+00	0.00 E+00	3.47 E-01	0.00 E+00	1.94 E-02	0.00 E+00
584115	3.31 E+01	0.00 E+00	7.76 E+00	0.00 E+00	3.67 E-01	0.00 E+00	2.05 E-02	0.00 E+00
584116	3.45 E+01	0.00 E+00	8.07 E+00	0.00 E+00	3.82 E-01	0.00 E+00	2.14 E-02	0.00 E+00
584117	3.32 E+01	2.70 E-08	7.77 E+00	2.70 E-08	3.68 E-01	1.60 E-08	2.06 E-02	6.81 E-10
584118	2.79 E+01	3.52 E-05	6.56 E+00	3.52 E-05	3.09 E-01	1.41 E-05	1.73 E-02	1.29 E-06
584119	2.34 E+01	3.52 E-05	5.50 E+00	3.52 E-05	2.59 E-01	1.41 E-05	1.45 E-02	1.29 E-06
584120	1.92 E+01	3.52 E-05	4.53 E+00	3.52 E-05	2.13 E-01	1.41 E-05	1.19 E-02	1.29 E-06
584121	1.54 E+01	3.53 E-05	3.64 E+00	3.53 E-05	1.72 E-01	1.41 E-05	9.58 E-03	1.29 E-06
584122	1.17 E+01	3.53 E-05	2.76 E+00	3.53 E-05	1.30 E-01	1.42 E-05	7.24 E-03	1.30 E-06
584123	8.91 E+00	3.53 E-05	2.11 E+00	3.53 E-05	9.90 E-02	1.42 E-05	5.52 E-03	1.30 E-06
584124	6.52 E+00	3.53 E-05	1.55 E+00	3.53 E-05	7.27 E-02	1.42 E-05	4.05 E-03	1.30 E-06
584125	4.40 E+00	3.54 E-05	1.05 E+00	3.54 E-05	4.92 E-02	1.42 E-05	2.74 E-03	1.30 E-06
584126	2.96 E+00	3.54 E-05	7.17 E-01	3.54 E-05	3.33 E-02	1.42 E-05	1.85 E-03	1.30 E-06
584127	1.89 E+00	3.54 E-05	4.68 E-01	3.54 E-05	2.15 E-02	1.42 E-05	1.19 E-03	1.30 E-06
584128	1.16 E+00	3.54 E-05	2.95 E-01	3.54 E-05	1.33 E-02	1.42 E-05	7.29 E-04	1.30 E-06
584129	6.91 E-01	3.54 E-05	1.86 E-01	3.54 E-05	8.11 E-03	1.42 E-05	4.38 E-04	1.30 E-06
584130	5.61 E+01	3.53 E-05	1.31 E+01	3.53 E-05	6.22 E-01	1.42 E-05	3.47 E-02	1.30 E-06
584131	5.61 E+01	3.53 E-05	1.31 E+01	3.53 E-05	6.22 E-01	1.42 E-05	3.47 E-02	1.30 E-06
584132	3.05 E-02	3.53 E-05	3.05 E-02	3.53 E-05	5.38 E-04	1.41 E-05	2.18 E-05	1.30 E-06
584133	3.04 E-02	3.53 E-05	3.04 E-02	3.53 E-05	4.44 E-04	1.41 E-05	1.89 E-05	1.30 E-06
584134	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584135	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584136	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584137	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
584139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584140	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584141	2.66 E-01	1.79 E-04	2.66 E-01	1.57 E-04	5.68 E-02	4.53 E-05	1.75 E-03	3.49 E-06
584142	4.58 E-01	2.17 E-04	4.57 E-01	1.87 E-04	1.03 E-01	5.32 E-05	3.14 E-03	4.05 E-06
584143	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584144	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584145	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584146	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584147	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584148	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584149	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584150	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584151	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584152	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584153	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584154	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
584156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
585113	3.01 E+01	0.00 E+00	7.05 E+00	0.00 E+00	3.33 E-01	0.00 E+00	1.86 E-02	0.00 E+00
585114	3.22 E+01	0.00 E+00	7.55 E+00	0.00 E+00	3.57 E-01	0.00 E+00	2.00 E-02	0.00 E+00
585115	3.40 E+01	0.00 E+00	7.97 E+00	0.00 E+00	3.77 E-01	0.00 E+00	2.11 E-02	0.00 E+00
585116	3.54 E+01	1.89 E-08	8.28 E+00	1.89 E-08	3.92 E-01	1.12 E-08	2.19 E-02	4.77 E-10
585117	3.62 E+01	2.94 E-08	8.49 E+00	2.94 E-08	4.02 E-01	1.74 E-08	2.25 E-02	7.42 E-10
585118	3.24 E+01	3.52 E-05	7.62 E+00	3.52 E-05	3.59 E-01	1.41 E-05	2.01 E-02	1.29 E-06
585119	2.74 E+01	3.52 E-05	6.44 E+00	3.52 E-05	3.03 E-01	1.41 E-05	1.70 E-02	1.29 E-06
585120	2.20 E+01	3.52 E-05	5.19 E+00	3.52 E-05	2.44 E-01	1.41 E-05	1.37 E-02	1.29 E-06
585121	1.78 E+01	3.53 E-05	4.19 E+00	3.53 E-05	1.98 E-01	1.41 E-05	1.10 E-02	1.29 E-06
585122	1.40 E+01	3.53 E-05	3.31 E+00	3.53 E-05	1.56 E-01	1.41 E-05	8.69 E-03	1.30 E-06
585123	1.07 E+01	3.53 E-05	2.54 E+00	3.53 E-05	1.20 E-01	1.41 E-05	6.66 E-03	1.30 E-06
585124	7.63 E+00	3.53 E-05	1.81 E+00	3.53 E-05	8.50 E-02	1.42 E-05	4.74 E-03	1.30 E-06
585125	5.46 E+00	3.53 E-05	1.30 E+00	3.53 E-05	6.09 E-02	1.42 E-05	3.40 E-03	1.30 E-06
585126	3.74 E+00	3.53 E-05	8.99 E-01	3.53 E-05	4.18 E-02	1.42 E-05	2.33 E-03	1.30 E-06
585127	2.32 E+00	3.53 E-05	5.68 E-01	3.53 E-05	2.61 E-02	1.42 E-05	1.45 E-03	1.30 E-06
585128	1.43 E+00	3.53 E-05	3.60 E-01	3.53 E-05	1.63 E-02	1.42 E-05	8.97 E-04	1.30 E-06
585129	8.75 E-01	3.53 E-05	2.29 E-01	3.53 E-05	1.00 E-02	1.42 E-05	5.49 E-04	1.30 E-06
585130	6.49 E+01	3.53 E-05	1.52 E+01	3.53 E-05	7.21 E-01	1.42 E-05	4.02 E-02	1.30 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	585131	6.66 E+01	3.53 E-05	1.56 E+01	3.53 E-05	7.39 E-01	1.41 E-05	4.13 E-02	1.29 E-06
2	585132	6.38 E+01	3.52 E-05	1.50 E+01	3.52 E-05	7.07 E-01	1.41 E-05	3.96 E-02	1.29 E-06
3	585133	6.27 E+01	3.52 E-05	1.47 E+01	3.52 E-05	6.95 E-01	1.41 E-05	3.89 E-02	1.29 E-06
4	585134	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
5	585135	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
6	585136	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
7	585137	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
8	585138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
9	585139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
10	585140	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
11	585141	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
12	585142	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
13	585143	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
14	585144	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
15	585145	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
16	585146	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
17	585147	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
18	585148	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
19	585149	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
20	585150	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
21	585151	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
22	585152	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
23	585153	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
24	585154	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
25	585155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
26	585156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
27	586113	3.05 E+01	0.00 E+00	7.14 E+00	0.00 E+00	3.38 E-01	0.00 E+00	1.89 E-02	0.00 E+00
28	586114	3.26 E+01	0.00 E+00	7.63 E+00	0.00 E+00	3.61 E-01	0.00 E+00	2.02 E-02	0.00 E+00
29	586115	3.44 E+01	0.00 E+00	8.06 E+00	0.00 E+00	3.81 E-01	0.00 E+00	2.13 E-02	0.00 E+00
30	586116	3.57 E+01	2.08 E-08	8.37 E+00	2.08 E-08	3.96 E-01	1.23 E-08	2.22 E-02	5.25 E-10
31	586117	3.66 E+01	3.09 E-08	8.58 E+00	3.09 E-08	4.06 E-01	1.83 E-08	2.27 E-02	7.80 E-10
32	586118	3.70 E+01	3.52 E-05	8.70 E+00	3.52 E-05	4.10 E-01	1.41 E-05	2.29 E-02	1.29 E-06
33	586119	3.07 E+01	3.52 E-05	7.22 E+00	3.52 E-05	3.40 E-01	1.41 E-05	1.90 E-02	1.29 E-06
34	586120	2.55 E+01	3.52 E-05	6.00 E+00	3.52 E-05	2.82 E-01	1.41 E-05	1.58 E-02	1.29 E-06
35	586121	2.06 E+01	3.53 E-05	4.87 E+00	3.53 E-05	2.30 E-01	1.41 E-05	1.28 E-02	1.29 E-06
36	586122	1.59 E+01	3.53 E-05	3.75 E+00	3.53 E-05	1.77 E-01	1.41 E-05	9.86 E-03	1.30 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	586123	1.22 E+01	3.53 E-05	2.89 E+00	3.53 E-05	1.36 E-01	1.42 E-05	7.60 E-03	1.30 E-06
2	586124	9.13 E+00	3.53 E-05	2.16 E+00	3.53 E-05	1.02 E-01	1.41 E-05	5.66 E-03	1.30 E-06
3	586125	6.58 E+00	3.53 E-05	1.56 E+00	3.53 E-05	7.32 E-02	1.42 E-05	4.09 E-03	1.30 E-06
4	586126	4.38 E+00	3.53 E-05	1.05 E+00	3.53 E-05	4.89 E-02	1.42 E-05	2.73 E-03	1.30 E-06
5	586127	2.90 E+00	3.53 E-05	7.04 E-01	3.53 E-05	3.25 E-02	1.42 E-05	1.80 E-03	1.30 E-06
6	586128	1.83 E+00	3.53 E-05	4.53 E-01	3.53 E-05	2.06 E-02	1.41 E-05	1.14 E-03	1.30 E-06
7	586129	7.44 E+01	3.53 E-05	1.74 E+01	3.53 E-05	8.25 E-01	1.41 E-05	4.61 E-02	1.30 E-06
8	586130	7.71 E+01	3.53 E-05	1.81 E+01	3.53 E-05	8.56 E-01	1.41 E-05	4.78 E-02	1.29 E-06
9	586131	7.38 E+01	3.52 E-05	1.73 E+01	3.52 E-05	8.18 E-01	1.41 E-05	4.58 E-02	1.29 E-06
10	586132	7.33 E+01	3.52 E-05	1.72 E+01	3.52 E-05	8.12 E-01	1.41 E-05	4.54 E-02	1.29 E-06
11	586133	7.44 E+01	3.52 E-05	1.74 E+01	3.52 E-05	8.24 E-01	1.41 E-05	4.61 E-02	1.29 E-06
12	586134	7.27 E+01	3.52 E-05	1.70 E+01	3.52 E-05	8.06 E-01	1.41 E-05	4.51 E-02	1.29 E-06
13	586135	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
14	586136	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
15	586137	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
16	586138	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
17	586139	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
18	586140	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
19	586141	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
20	586142	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
21	586143	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
22	586144	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
23	586145	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
24	586146	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
25	586147	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
26	586148	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
27	586149	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
28	586150	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
29	586151	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
30	586152	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
31	586153	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
32	586154	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
33	586155	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
34	586156	3.00 E-02	3.52 E-05	3.00 E-02	3.52 E-05	2.08 E-04	1.41 E-05	1.17 E-05	1.29 E-06
35	587113	3.04 E+01	0.00 E+00	7.11 E+00	0.00 E+00	3.36 E-01	0.00 E+00	1.88 E-02	0.00 E+00
36	587114	3.25 E+01	0.00 E+00	7.61 E+00	0.00 E+00	3.60 E-01	0.00 E+00	2.01 E-02	0.00 E+00

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
587115	3.43 E+01	1.44 E-08	8.03 E+00	1.44 E-08	3.80 E-01	8.55 E-09	2.13 E-02	3.64 E-10
587116	3.56 E+01	2.22 E-08	8.35 E+00	2.22 E-08	3.95 E-01	1.32 E-08	2.21 E-02	5.62 E-10
587117	3.65 E+01	3.24 E-08	8.55 E+00	3.24 E-08	4.05 E-01	1.93 E-08	2.26 E-02	8.20 E-10
587118	3.76 E+01	3.52 E-05	8.84 E+00	3.52 E-05	4.17 E-01	1.41 E-05	2.33 E-02	1.29 E-06
587119	3.46 E+01	3.52 E-05	8.13 E+00	3.52 E-05	3.83 E-01	1.41 E-05	2.14 E-02	1.29 E-06
587120	2.88 E+01	3.52 E-05	6.78 E+00	3.52 E-05	3.19 E-01	1.41 E-05	1.79 E-02	1.29 E-06
587121	2.29 E+01	3.53 E-05	5.40 E+00	3.53 E-05	2.55 E-01	1.41 E-05	1.42 E-02	1.29 E-06
587122	1.82 E+01	3.53 E-05	4.29 E+00	3.53 E-05	2.03 E-01	1.41 E-05	1.13 E-02	1.30 E-06
587123	1.42 E+01	3.53 E-05	3.35 E+00	3.53 E-05	1.58 E-01	1.42 E-05	8.79 E-03	1.30 E-06
587124	1.06 E+01	3.53 E-05	2.51 E+00	3.53 E-05	1.18 E-01	1.42 E-05	6.60 E-03	1.30 E-06
587125	7.52 E+00	3.53 E-05	1.78 E+00	3.53 E-05	8.37 E-02	1.42 E-05	4.67 E-03	1.30 E-06
587126	5.24 E+00	3.53 E-05	1.25 E+00	3.53 E-05	5.83 E-02	1.42 E-05	3.25 E-03	1.30 E-06
587127	3.52 E+00	3.53 E-05	8.49 E-01	3.53 E-05	3.93 E-02	1.41 E-05	2.18 E-03	1.30 E-06
587128	8.33 E+01	3.53 E-05	1.95 E+01	3.53 E-05	9.24 E-01	1.41 E-05	5.16 E-02	1.29 E-06
587129	8.66 E+01	3.53 E-05	2.03 E+01	3.53 E-05	9.60 E-01	1.41 E-05	5.37 E-02	1.29 E-06
587130	8.38 E+01	3.52 E-05	1.96 E+01	3.52 E-05	9.29 E-01	1.41 E-05	5.19 E-02	1.29 E-06
587131	8.38 E+01	3.52 E-05	1.96 E+01	3.52 E-05	9.29 E-01	1.41 E-05	5.19 E-02	1.29 E-06
587132	8.60 E+01	3.52 E-05	2.01 E+01	3.52 E-05	9.53 E-01	1.41 E-05	5.33 E-02	1.29 E-06
587133	8.44 E+01	3.52 E-05	1.98 E+01	3.52 E-05	9.35 E-01	1.41 E-05	5.23 E-02	1.29 E-06
587134	7.88 E+01	3.52 E-05	1.85 E+01	3.52 E-05	8.73 E-01	1.41 E-05	4.88 E-02	1.29 E-06
587135	7.22 E+01	3.52 E-05	1.69 E+01	3.52 E-05	7.99 E-01	1.41 E-05	4.47 E-02	1.29 E-06
587136	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587137	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587138	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587139	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587140	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587141	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587142	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587143	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587144	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587145	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587146	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587147	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587148	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587149	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
587150	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	587151	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
2	587152	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
3	587153	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
4	587154	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
5	587155	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
6	587156	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
7	588113	2.99 E+01	0.00 E+00	6.99 E+00	0.00 E+00	3.31 E-01	0.00 E+00	1.85 E-02	0.00 E+00
8	588114	3.19 E+01	1.00 E-08	7.48 E+00	1.00 E-08	3.54 E-01	5.95 E-09	1.98 E-02	2.53 E-10
9	588115	3.37 E+01	1.55 E-08	7.89 E+00	1.55 E-08	3.73 E-01	9.19 E-09	2.09 E-02	3.91 E-10
10	588116	3.50 E+01	2.32 E-08	8.20 E+00	2.32 E-08	3.88 E-01	1.38 E-08	2.17 E-02	5.87 E-10
11	588117	3.66 E+01	3.33 E-08	8.58 E+00	3.33 E-08	4.06 E-01	1.97 E-08	2.27 E-02	8.40 E-10
12	588118	4.02 E+01	3.52 E-05	9.46 E+00	3.52 E-05	4.46 E-01	1.41 E-05	2.49 E-02	1.29 E-06
13	588119	4.26 E+01	3.52 E-05	1.00 E+01	3.52 E-05	4.72 E-01	1.41 E-05	2.64 E-02	1.29 E-06
14	588120	3.14 E+01	3.52 E-05	7.38 E+00	3.52 E-05	3.47 E-01	1.41 E-05	1.94 E-02	1.29 E-06
15	588121	2.56 E+01	3.53 E-05	6.04 E+00	3.53 E-05	2.84 E-01	1.41 E-05	1.59 E-02	1.29 E-06
16	588122	2.05 E+01	3.53 E-05	4.84 E+00	3.53 E-05	2.29 E-01	1.41 E-05	1.27 E-02	1.29 E-06
17	588123	1.55 E+01	3.53 E-05	3.66 E+00	3.53 E-05	1.73 E-01	1.41 E-05	9.62 E-03	1.30 E-06
18	588124	1.17 E+01	3.53 E-05	2.77 E+00	3.53 E-05	1.31 E-01	1.41 E-05	7.28 E-03	1.30 E-06
19	588125	8.63 E+00	3.53 E-05	2.04 E+00	3.53 E-05	9.59 E-02	1.41 E-05	5.35 E-03	1.30 E-06
20	588126	6.08 E+00	3.53 E-05	1.45 E+00	3.53 E-05	6.76 E-02	1.41 E-05	3.77 E-03	1.30 E-06
21	588127	9.10 E+01	3.53 E-05	2.13 E+01	3.53 E-05	1.01 E+00	1.41 E-05	5.64 E-02	1.29 E-06
22	588128	9.60 E+01	3.53 E-05	2.25 E+01	3.53 E-05	1.06 E+00	1.41 E-05	5.95 E-02	1.29 E-06
23	588129	9.32 E+01	3.52 E-05	2.18 E+01	3.52 E-05	1.03 E+00	1.41 E-05	5.78 E-02	1.29 E-06
24	588130	9.38 E+01	3.52 E-05	2.20 E+01	3.52 E-05	1.04 E+00	1.41 E-05	5.81 E-02	1.29 E-06
25	588131	9.71 E+01	3.52 E-05	2.28 E+01	3.52 E-05	1.08 E+00	1.41 E-05	6.02 E-02	1.29 E-06
26	588132	9.60 E+01	3.52 E-05	2.25 E+01	3.52 E-05	1.06 E+00	1.41 E-05	5.95 E-02	1.29 E-06
27	588133	9.05 E+01	3.52 E-05	2.12 E+01	3.52 E-05	1.00 E+00	1.41 E-05	5.61 E-02	1.29 E-06
28	588134	8.38 E+01	3.52 E-05	1.96 E+01	3.52 E-05	9.29 E-01	1.41 E-05	5.19 E-02	1.29 E-06
29	588135	7.71 E+01	3.52 E-05	1.81 E+01	3.52 E-05	8.55 E-01	1.41 E-05	4.78 E-02	1.29 E-06
30	588136	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
31	588137	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
32	588138	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
33	588139	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
34	588140	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
35	588141	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
36	588142	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
588143	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588144	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588145	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588146	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588147	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588148	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588149	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588150	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588151	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588152	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588153	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588154	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588155	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
588156	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
589113	2.89 E+01	6.95 E-09	6.77 E+00	6.95 E-09	3.20 E-01	4.13 E-09	1.79 E-02	1.76 E-10
589114	3.09 E+01	1.10 E-08	7.24 E+00	1.10 E-08	3.43 E-01	6.54 E-09	1.92 E-02	2.78 E-10
589115	3.26 E+01	1.66 E-08	7.64 E+00	1.66 E-08	3.62 E-01	9.83 E-09	2.02 E-02	4.18 E-10
589116	3.46 E+01	2.40 E-08	8.11 E+00	2.40 E-08	3.84 E-01	1.43 E-08	2.15 E-02	6.07 E-10
589117	3.86 E+01	3.39 E-08	9.03 E+00	3.39 E-08	4.27 E-01	2.01 E-08	2.39 E-02	8.56 E-10
589118	4.15 E+01	3.52 E-05	9.74 E+00	3.52 E-05	4.59 E-01	1.41 E-05	2.57 E-02	1.29 E-06
589119	4.51 E+01	3.52 E-05	1.06 E+01	3.52 E-05	4.99 E-01	1.41 E-05	2.79 E-02	1.29 E-06
589120	4.77 E+01	3.52 E-05	1.12 E+01	3.52 E-05	5.28 E-01	1.41 E-05	2.95 E-02	1.29 E-06
589121	2.81 E+01	3.52 E-05	6.62 E+00	3.52 E-05	3.12 E-01	1.41 E-05	1.74 E-02	1.29 E-06
589122	2.20 E+01	3.53 E-05	5.19 E+00	3.53 E-05	2.45 E-01	1.41 E-05	1.37 E-02	1.29 E-06
589123	1.72 E+01	3.53 E-05	4.06 E+00	3.53 E-05	1.92 E-01	1.41 E-05	1.07 E-02	1.29 E-06
589124	1.31 E+01	3.53 E-05	3.10 E+00	3.53 E-05	1.46 E-01	1.41 E-05	8.14 E-03	1.30 E-06
589125	9.35 E+00	3.53 E-05	2.21 E+00	3.53 E-05	1.04 E-01	1.41 E-05	5.80 E-03	1.29 E-06
589126	6.69 E+00	3.53 E-05	1.59 E+00	3.53 E-05	7.43 E-02	1.41 E-05	4.15 E-03	1.29 E-06
589127	1.03 E+02	3.53 E-05	2.42 E+01	3.53 E-05	1.14 E+00	1.41 E-05	6.40 E-02	1.29 E-06
589128	1.02 E+02	3.52 E-05	2.38 E+01	3.52 E-05	1.13 E+00	1.41 E-05	6.30 E-02	1.29 E-06
589129	1.03 E+02	3.52 E-05	2.40 E+01	3.52 E-05	1.14 E+00	1.41 E-05	6.36 E-02	1.29 E-06
589130	1.08 E+02	3.52 E-05	2.52 E+01	3.52 E-05	1.19 E+00	1.41 E-05	6.67 E-02	1.29 E-06
589131	1.07 E+02	3.52 E-05	2.51 E+01	3.52 E-05	1.19 E+00	1.41 E-05	6.64 E-02	1.29 E-06
589132	1.02 E+02	3.52 E-05	2.38 E+01	3.52 E-05	1.13 E+00	1.41 E-05	6.30 E-02	1.29 E-06
589133	9.55 E+01	3.52 E-05	2.24 E+01	3.52 E-05	1.06 E+00	1.41 E-05	5.92 E-02	1.29 E-06
589134	8.82 E+01	3.52 E-05	2.07 E+01	3.52 E-05	9.78 E-01	1.41 E-05	5.47 E-02	1.29 E-06

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	589135	8.10 E+01	3.52 E-05	1.90 E+01	3.52 E-05	8.98 E-01	1.41 E-05	5.02 E-02	1.29 E-06
2	589136	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
3	589137	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
4	589138	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
5	589139	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
6	589140	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
7	589141	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
8	589142	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
9	589143	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
10	589144	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
11	589145	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
12	589146	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
13	589147	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
14	589148	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
15	589149	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
16	589150	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
17	589151	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
18	589152	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
19	589153	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
20	589154	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
21	589155	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
22	589156	3.05 E-02	3.52 E-05	3.05 E-02	3.52 E-05	2.10 E-04	1.41 E-05	1.19 E-05	1.29 E-06
23	590057	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
24	590067	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
25	590077	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
26	590087	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
27	590097	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
28	590100	1.91 E-10	0.00 E+00	5.93 E-11	0.00 E+00	7.48 E-12	0.00 E+00	3.03 E-11	0.00 E+00
29	590112	7.49 E-23	0.00 E+00	1.75 E-23	0.00 E+00	8.30 E-25	0.00 E+00	4.64 E-26	0.00 E+00
30	590113	2.76 E+01	7.56 E-09	6.47 E+00	7.56 E-09	3.06 E-01	4.49 E-09	1.71 E-02	1.91 E-10
31	590114	2.95 E+01	1.15 E-08	6.92 E+00	1.15 E-08	3.27 E-01	6.84 E-09	1.83 E-02	2.91 E-10
32	590115	3.18 E+01	1.72 E-08	7.45 E+00	1.72 E-08	3.52 E-01	1.02 E-08	1.97 E-02	4.34 E-10
33	590116	3.60 E+01	2.43 E-08	8.42 E+00	2.43 E-08	3.99 E-01	1.45 E-08	2.23 E-02	6.15 E-10
34	590117	3.92 E+01	3.33 E-08	9.18 E+00	3.33 E-08	4.34 E-01	1.98 E-08	2.43 E-02	8.42 E-10
35	590118	4.32 E+01	3.52 E-05	1.01 E+01	3.52 E-05	4.79 E-01	1.41 E-05	2.68 E-02	1.29 E-06
36	590119	4.62 E+01	3.52 E-05	1.08 E+01	3.52 E-05	5.12 E-01	1.41 E-05	2.86 E-02	1.29 E-06

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Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	590120	4.97 E+01	3.52 E-05	1.16 E+01	3.52 E-05	5.51 E-01	1.41 E-05	3.08 E-02	1.29 E-06
2	590121	2.98 E+01	3.52 E-05	7.01 E+00	3.52 E-05	3.30 E-01	1.41 E-05	1.85 E-02	1.29 E-06
3	590122	2.40 E+01	3.52 E-05	5.65 E+00	3.52 E-05	2.66 E-01	1.41 E-05	1.49 E-02	1.29 E-06
4	590123	1.88 E+01	3.53 E-05	4.44 E+00	3.53 E-05	2.09 E-01	1.41 E-05	1.17 E-02	1.29 E-06
5	590124	1.40 E+01	3.53 E-05	3.31 E+00	3.53 E-05	1.56 E-01	1.41 E-05	8.69 E-03	1.29 E-06
6	590125	1.03 E+01	3.53 E-05	2.45 E+00	3.53 E-05	1.15 E-01	1.41 E-05	6.42 E-03	1.29 E-06
7	590126	1.09 E+02	3.52 E-05	2.56 E+01	3.52 E-05	1.21 E+00	1.41 E-05	6.78 E-02	1.29 E-06
8	590127	1.08 E+02	3.52 E-05	2.54 E+01	3.52 E-05	1.20 E+00	1.41 E-05	6.71 E-02	1.29 E-06
9	590128	1.11 E+02	3.52 E-05	2.60 E+01	3.52 E-05	1.23 E+00	1.41 E-05	6.88 E-02	1.29 E-06
10	590129	1.17 E+02	3.52 E-05	2.73 E+01	3.52 E-05	1.29 E+00	1.41 E-05	7.22 E-02	1.29 E-06
11	590130	1.17 E+02	3.52 E-05	2.74 E+01	3.52 E-05	1.30 E+00	1.41 E-05	7.26 E-02	1.29 E-06
12	590131	1.12 E+02	3.52 E-05	2.63 E+01	3.52 E-05	1.24 E+00	1.41 E-05	6.95 E-02	1.29 E-06
13	590132	1.06 E+02	3.52 E-05	2.48 E+01	3.52 E-05	1.17 E+00	1.41 E-05	6.57 E-02	1.29 E-06
14	590133	9.93 E+01	3.52 E-05	2.33 E+01	3.52 E-05	1.10 E+00	1.41 E-05	6.16 E-02	1.29 E-06
15	590134	9.27 E+01	3.52 E-05	2.17 E+01	3.52 E-05	1.03 E+00	1.41 E-05	5.74 E-02	1.29 E-06
16	590135	8.49 E+01	3.52 E-05	1.99 E+01	3.52 E-05	9.41 E-01	1.41 E-05	5.26 E-02	1.29 E-06
17	590136	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
18	590137	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
19	590138	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
20	590139	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
21	590140	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
22	590141	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
23	590142	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
24	590143	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
25	590144	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
26	590145	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
27	590146	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
28	590147	9.68 E-05	2.54 E-07	9.68 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.56 E-08	9.28 E-09
29	590157	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
30	590167	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
31	590177	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
32	590187	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
33	590197	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
34	590207	9.56 E-05	2.54 E-07	9.56 E-05	2.54 E-07	1.83 E-06	1.02 E-07	7.53 E-08	9.28 E-09
35	591108	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
36	591109	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
591110	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
591111	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
591112	3.42 E-02	3.52 E-05	3.42 E-02	3.52 E-05	2.38 E-04	1.41 E-05	1.32 E-05	1.29 E-06
591113	2.60 E+01	3.52 E-05	6.11 E+00	3.52 E-05	2.88 E-01	1.41 E-05	1.61 E-02	1.29 E-06
591114	2.84 E+01	3.52 E-05	6.67 E+00	3.52 E-05	3.14 E-01	1.41 E-05	1.76 E-02	1.29 E-06
591115	3.26 E+01	3.52 E-05	7.67 E+00	3.52 E-05	3.62 E-01	1.41 E-05	2.02 E-02	1.29 E-06
591116	3.61 E+01	3.52 E-05	8.49 E+00	3.52 E-05	4.00 E-01	1.41 E-05	2.24 E-02	1.29 E-06
591117	4.03 E+01	3.52 E-05	9.48 E+00	3.52 E-05	4.47 E-01	1.41 E-05	2.50 E-02	1.29 E-06
591118	4.37 E+01	3.52 E-05	1.02 E+01	3.52 E-05	4.84 E-01	1.41 E-05	2.71 E-02	1.29 E-06
591119	4.75 E+01	3.52 E-05	1.11 E+01	3.52 E-05	5.26 E-01	1.41 E-05	2.94 E-02	1.29 E-06
591120	5.04 E+01	3.52 E-05	1.18 E+01	3.52 E-05	5.58 E-01	1.41 E-05	3.12 E-02	1.29 E-06
591121	5.42 E+01	3.52 E-05	1.27 E+01	3.52 E-05	6.01 E-01	1.41 E-05	3.36 E-02	1.29 E-06
591122	2.55 E+01	3.52 E-05	6.01 E+00	3.52 E-05	2.83 E-01	1.41 E-05	1.58 E-02	1.29 E-06
591123	1.96 E+01	3.53 E-05	4.63 E+00	3.53 E-05	2.18 E-01	1.41 E-05	1.22 E-02	1.29 E-06
591124	1.51 E+01	3.52 E-05	3.57 E+00	3.52 E-05	1.67 E-01	1.41 E-05	9.38 E-03	1.29 E-06
591125	1.13 E+02	3.52 E-05	2.65 E+01	3.52 E-05	1.25 E+00	1.41 E-05	7.02 E-02	1.29 E-06
591126	1.13 E+02	3.52 E-05	2.65 E+01	3.52 E-05	1.25 E+00	1.41 E-05	7.02 E-02	1.29 E-06
591127	1.17 E+02	3.52 E-05	2.73 E+01	3.52 E-05	1.29 E+00	1.41 E-05	7.22 E-02	1.29 E-06
591128	1.24 E+02	3.52 E-05	2.91 E+01	3.52 E-05	1.38 E+00	1.41 E-05	7.71 E-02	1.29 E-06
591129	1.26 E+02	3.52 E-05	2.95 E+01	3.52 E-05	1.40 E+00	1.41 E-05	7.81 E-02	1.29 E-06
591130	1.22 E+02	3.52 E-05	2.85 E+01	3.52 E-05	1.35 E+00	1.41 E-05	7.53 E-02	1.29 E-06
591131	1.17 E+02	3.52 E-05	2.73 E+01	3.52 E-05	1.29 E+00	1.41 E-05	7.22 E-02	1.29 E-06
591132	1.10 E+02	3.52 E-05	2.57 E+01	3.52 E-05	1.22 E+00	1.41 E-05	6.81 E-02	1.29 E-06
591133	1.03 E+02	3.52 E-05	2.42 E+01	3.52 E-05	1.14 E+00	1.41 E-05	6.40 E-02	1.29 E-06
591134	9.60 E+01	3.52 E-05	2.25 E+01	3.52 E-05	1.06 E+00	1.41 E-05	5.95 E-02	1.29 E-06
591135	1.75 E+02	3.52 E-05	4.11 E+01	3.52 E-05	1.94 E+00	1.41 E-05	1.09 E-01	1.29 E-06
591136	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
591137	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
591138	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
591139	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
591140	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
591141	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
591142	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
591143	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
591144	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
591145	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
591146	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592108	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592109	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592110	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592111	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592112	3.42 E-02	3.52 E-05	3.42 E-02	3.52 E-05	2.40 E-04	1.41 E-05	1.33 E-05	1.29 E-06
592113	2.46 E+01	3.52 E-05	5.79 E+00	3.52 E-05	2.72 E-01	1.41 E-05	1.52 E-02	1.29 E-06
592114	2.87 E+01	3.52 E-05	6.76 E+00	3.52 E-05	3.19 E-01	1.41 E-05	1.78 E-02	1.29 E-06
592115	3.24 E+01	3.52 E-05	7.61 E+00	3.52 E-05	3.59 E-01	1.41 E-05	2.01 E-02	1.29 E-06
592116	3.66 E+01	5.04 E-05	8.61 E+00	5.04 E-05	4.06 E-01	2.31 E-05	2.27 E-02	1.88 E-06
592117	4.02 E+01	3.52 E-05	9.46 E+00	3.52 E-05	4.46 E-01	1.41 E-05	2.49 E-02	1.29 E-06
592118	4.45 E+01	3.52 E-05	1.04 E+01	3.52 E-05	4.93 E-01	1.41 E-05	2.76 E-02	1.29 E-06
592119	4.76 E+01	3.52 E-05	1.11 E+01	3.52 E-05	5.27 E-01	1.41 E-05	2.95 E-02	1.29 E-06
592120	5.16 E+01	3.52 E-05	1.21 E+01	3.52 E-05	5.71 E-01	1.41 E-05	3.20 E-02	1.29 E-06
592121	5.54 E+01	3.52 E-05	1.30 E+01	3.52 E-05	6.14 E-01	1.41 E-05	3.43 E-02	1.29 E-06
592122	5.83 E+01	3.52 E-05	1.36 E+01	3.52 E-05	6.46 E-01	1.41 E-05	3.61 E-02	1.29 E-06
592123	2.08 E+01	3.52 E-05	4.91 E+00	3.52 E-05	2.31 E-01	1.41 E-05	1.29 E-02	1.29 E-06
592124	1.14 E+02	3.52 E-05	2.68 E+01	3.52 E-05	1.27 E+00	1.41 E-05	7.09 E-02	1.29 E-06
592125	1.15 E+02	3.52 E-05	2.70 E+01	3.52 E-05	1.28 E+00	1.41 E-05	7.16 E-02	1.29 E-06
592126	1.20 E+02	3.52 E-05	2.82 E+01	3.52 E-05	1.33 E+00	1.41 E-05	7.46 E-02	1.29 E-06
592127	1.29 E+02	3.52 E-05	3.03 E+01	3.52 E-05	1.43 E+00	1.41 E-05	8.02 E-02	1.29 E-06
592128	1.33 E+02	3.52 E-05	3.11 E+01	3.52 E-05	1.47 E+00	1.41 E-05	8.22 E-02	1.29 E-06
592129	1.29 E+02	3.52 E-05	3.03 E+01	3.52 E-05	1.43 E+00	1.41 E-05	8.02 E-02	1.29 E-06
592130	1.25 E+02	3.52 E-05	2.92 E+01	3.52 E-05	1.38 E+00	1.41 E-05	7.74 E-02	1.29 E-06
592131	1.19 E+02	3.52 E-05	2.79 E+01	3.52 E-05	1.32 E+00	1.41 E-05	7.40 E-02	1.29 E-06
592132	1.13 E+02	3.52 E-05	2.64 E+01	3.52 E-05	1.25 E+00	1.41 E-05	6.98 E-02	1.29 E-06
592133	1.06 E+02	3.52 E-05	2.48 E+01	3.52 E-05	1.17 E+00	1.41 E-05	6.57 E-02	1.29 E-06
592134	9.82 E+01	3.52 E-05	2.30 E+01	3.52 E-05	1.09 E+00	1.41 E-05	6.09 E-02	1.29 E-06
592135	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592136	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592137	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592138	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592139	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592140	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592141	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592142	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
592143	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592144	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592145	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
592146	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593108	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593109	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593110	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593111	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593112	3.42 E-02	3.52 E-05	3.42 E-02	3.52 E-05	2.41 E-04	1.41 E-05	1.33 E-05	1.29 E-06
593113	2.74 E+01	3.52 E-05	6.44 E+00	3.52 E-05	3.03 E-01	1.41 E-05	1.70 E-02	1.29 E-06
593114	2.82 E+01	3.52 E-05	6.63 E+00	3.52 E-05	3.12 E-01	1.41 E-05	1.75 E-02	1.29 E-06
593115	3.24 E+01	3.52 E-05	7.62 E+00	3.52 E-05	3.59 E-01	1.41 E-05	2.01 E-02	1.29 E-06
593116	3.61 E+01	3.52 E-05	8.49 E+00	3.52 E-05	4.00 E-01	1.41 E-05	2.24 E-02	1.29 E-06
593117	4.04 E+01	3.52 E-05	9.49 E+00	3.52 E-05	4.48 E-01	1.41 E-05	2.50 E-02	1.29 E-06
593118	4.39 E+01	3.52 E-05	1.03 E+01	3.52 E-05	4.86 E-01	1.41 E-05	2.72 E-02	1.29 E-06
593119	4.80 E+01	3.52 E-05	1.12 E+01	3.52 E-05	5.32 E-01	1.41 E-05	2.98 E-02	1.29 E-06
593120	5.13 E+01	3.52 E-05	1.20 E+01	3.52 E-05	5.69 E-01	1.41 E-05	3.18 E-02	1.29 E-06
593121	5.52 E+01	3.52 E-05	1.29 E+01	3.52 E-05	6.12 E-01	1.41 E-05	3.42 E-02	1.29 E-06
593122	5.88 E+01	3.52 E-05	1.38 E+01	3.52 E-05	6.52 E-01	1.41 E-05	3.65 E-02	1.29 E-06
593123	2.12 E+01	3.52 E-05	5.00 E+00	3.52 E-05	2.35 E-01	1.41 E-05	1.31 E-02	1.29 E-06
593124	1.15 E+02	3.52 E-05	2.70 E+01	3.52 E-05	1.28 E+00	1.41 E-05	7.16 E-02	1.29 E-06
593125	1.22 E+02	3.52 E-05	2.86 E+01	3.52 E-05	1.35 E+00	1.41 E-05	7.57 E-02	1.29 E-06
593126	1.32 E+02	3.52 E-05	3.09 E+01	3.52 E-05	1.46 E+00	1.41 E-05	8.19 E-02	1.29 E-06
593127	1.37 E+02	3.52 E-05	3.20 E+01	3.52 E-05	1.51 E+00	1.41 E-05	8.46 E-02	1.29 E-06
593128	1.34 E+02	3.52 E-05	3.15 E+01	3.52 E-05	1.49 E+00	1.41 E-05	8.32 E-02	1.29 E-06
593129	1.31 E+02	3.52 E-05	3.07 E+01	3.52 E-05	1.45 E+00	1.41 E-05	8.12 E-02	1.29 E-06
593130	1.27 E+02	3.52 E-05	2.96 E+01	3.52 E-05	1.40 E+00	1.41 E-05	7.84 E-02	1.29 E-06
593131	1.21 E+02	3.52 E-05	2.83 E+01	3.52 E-05	1.34 E+00	1.41 E-05	7.50 E-02	1.29 E-06
593132	1.14 E+02	3.52 E-05	2.68 E+01	3.52 E-05	1.27 E+00	1.41 E-05	7.09 E-02	1.29 E-06
593133	1.07 E+02	3.52 E-05	2.51 E+01	3.52 E-05	1.19 E+00	1.41 E-05	6.64 E-02	1.29 E-06
593134	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593135	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593136	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593137	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593138	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593139	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
593140	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593141	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593142	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593143	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593144	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593145	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
593146	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594108	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594109	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594110	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594111	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594112	3.42 E-02	3.52 E-05	3.42 E-02	3.52 E-05	2.42 E-04	1.41 E-05	1.33 E-05	1.29 E-06
594113	3.42 E-02	3.52 E-05	3.42 E-02	3.52 E-05	2.51 E-04	1.41 E-05	1.36 E-05	1.29 E-06
594114	3.54 E+01	3.52 E-05	8.32 E+00	3.52 E-05	3.92 E-01	1.41 E-05	2.19 E-02	1.29 E-06
594115	7.90 E+01	9.57 E-05	4.61 E+01	9.57 E-05	3.42 E+00	2.54 E-05	7.24 E-01	2.83 E-06
594116	3.57 E+01	3.52 E-05	8.40 E+00	3.52 E-05	3.96 E-01	1.41 E-05	2.22 E-02	1.29 E-06
594117	3.93 E+01	3.52 E-05	9.25 E+00	3.52 E-05	4.36 E-01	1.41 E-05	2.44 E-02	1.29 E-06
594118	4.37 E+01	3.52 E-05	1.02 E+01	3.52 E-05	4.84 E-01	1.41 E-05	2.71 E-02	1.29 E-06
594119	4.72 E+01	3.52 E-05	1.11 E+01	3.52 E-05	5.23 E-01	1.41 E-05	2.92 E-02	1.29 E-06
594120	5.13 E+01	3.52 E-05	1.20 E+01	3.52 E-05	5.68 E-01	1.41 E-05	3.18 E-02	1.29 E-06
594121	5.54 E+01	3.52 E-05	1.30 E+01	3.52 E-05	6.14 E-01	1.41 E-05	3.43 E-02	1.29 E-06
594122	1.09 E+02	3.52 E-05	2.56 E+01	3.52 E-05	1.21 E+00	1.41 E-05	6.78 E-02	1.29 E-06
594123	1.13 E+02	3.52 E-05	2.65 E+01	3.52 E-05	1.25 E+00	1.41 E-05	7.02 E-02	1.29 E-06
594124	1.20 E+02	3.52 E-05	2.82 E+01	3.52 E-05	1.33 E+00	1.41 E-05	7.46 E-02	1.29 E-06
594125	1.32 E+02	3.52 E-05	3.09 E+01	3.52 E-05	1.46 E+00	1.41 E-05	8.19 E-02	1.29 E-06
594126	1.38 E+02	3.52 E-05	3.22 E+01	3.52 E-05	1.53 E+00	1.41 E-05	8.53 E-02	1.29 E-06
594127	1.37 E+02	3.52 E-05	3.21 E+01	3.52 E-05	1.52 E+00	1.41 E-05	8.50 E-02	1.29 E-06
594128	1.35 E+02	3.52 E-05	3.16 E+01	3.52 E-05	1.49 E+00	1.41 E-05	8.36 E-02	1.29 E-06
594129	1.32 E+02	3.52 E-05	3.08 E+01	3.52 E-05	1.46 E+00	1.41 E-05	8.15 E-02	1.29 E-06
594130	1.27 E+02	3.52 E-05	2.98 E+01	3.52 E-05	1.41 E+00	1.41 E-05	7.88 E-02	1.29 E-06
594131	1.22 E+02	3.52 E-05	2.85 E+01	3.52 E-05	1.35 E+00	1.41 E-05	7.53 E-02	1.29 E-06
594132	1.15 E+02	3.52 E-05	2.69 E+01	3.52 E-05	1.27 E+00	1.41 E-05	7.12 E-02	1.29 E-06
594133	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594134	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594135	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594136	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
594137	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594138	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594139	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594140	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594141	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594142	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594143	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594144	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594145	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
594146	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595108	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595109	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595110	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595111	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595112	3.42 E-02	3.52 E-05	3.42 E-02	3.52 E-05	2.41 E-04	1.41 E-05	1.33 E-05	1.29 E-06
595113	3.42 E-02	3.52 E-05	3.42 E-02	3.52 E-05	2.51 E-04	1.41 E-05	1.36 E-05	1.29 E-06
595114	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595115	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595116	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595117	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595118	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595119	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595120	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595121	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595122	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595123	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595124	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595125	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595126	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595127	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595128	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595129	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595130	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595131	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595132	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595133	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
595134	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595135	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595136	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595137	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595138	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595139	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595140	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595141	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595142	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595143	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595144	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595145	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
595146	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596108	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596109	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596110	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596111	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596112	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596113	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596114	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596115	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596116	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596117	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596118	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596119	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596120	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596121	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596122	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596123	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596124	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596125	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596126	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596127	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596128	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596129	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
596130	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	596131	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
2	596132	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
3	596133	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
4	596134	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
5	596135	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
6	596136	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
7	596137	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
8	596138	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
9	596139	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
10	596140	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
11	596141	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
12	596142	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
13	596143	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
14	596144	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
15	596145	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
16	596146	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
17	597108	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
18	597109	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
19	597110	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
20	597111	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
21	597112	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
22	597113	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
23	597114	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
24	597115	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
25	597116	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
26	597117	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
27	597118	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
28	597119	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
29	597120	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
30	597121	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
31	597122	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
32	597123	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
33	597124	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
34	597125	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
35	597126	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
36	597127	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	597128	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
2	597129	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
3	597130	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
4	597131	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
5	597132	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
6	597133	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
7	597134	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
8	597135	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
9	597136	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
10	597137	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
11	597138	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
12	597139	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
13	597140	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
14	597141	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
15	597142	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
16	597143	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
17	597144	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
18	597145	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
19	597146	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
20	598108	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
21	598109	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
22	598110	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
23	598111	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
24	598112	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
25	598113	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
26	598114	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
27	598115	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
28	598116	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
29	598117	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
30	598118	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
31	598119	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
32	598120	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
33	598121	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
34	598122	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
35	598123	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
36	598124	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
598125	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598126	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598127	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598128	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598129	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598130	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598131	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598132	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598133	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598134	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598135	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598136	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598137	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598138	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598139	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598140	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598141	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598142	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598143	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598144	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598145	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
598146	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599108	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599109	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599110	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599111	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599112	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599113	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599114	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599115	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599116	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599117	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599118	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599119	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599120	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
599121	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	599122	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
2	599123	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
3	599124	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
4	599125	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
5	599126	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
6	599127	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
7	599128	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
8	599129	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
9	599130	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
10	599131	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
11	599132	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
12	599133	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
13	599134	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
14	599135	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
15	599136	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
16	599137	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
17	599138	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
18	599139	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
19	599140	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
20	599141	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
21	599142	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
22	599143	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
23	599144	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
24	599145	3.41 E-02	3.52 E-05	3.41 E-02	3.52 E-05	2.23 E-04	1.41 E-05	1.28 E-05	1.29 E-06
25	599146	6.83 E-02	7.04 E-05	6.83 E-02	7.04 E-05	4.46 E-04	2.81 E-05	2.55 E-05	2.59 E-06
26	600057	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
27	600067	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
28	600077	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
29	600087	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
30	600090	4.72 E-11	0.00 E+00	1.46 E-11	0.00 E+00	1.85 E-12	0.00 E+00	7.49 E-12	0.00 E+00
31	600097	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
32	600100	4.72 E-11	0.00 E+00	1.46 E-11	0.00 E+00	1.85 E-12	0.00 E+00	7.49 E-12	0.00 E+00
33	600107	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
34	600117	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
35	600127	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
36	600137	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
600147	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
600157	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
600167	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
600177	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
600187	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
600197	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
600207	9.97 E-05	2.54 E-07	9.97 E-05	2.54 E-07	1.84 E-06	1.02 E-07	7.64 E-08	9.28 E-09
610057	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610067	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610077	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610087	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610097	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610107	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610117	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610127	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610137	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610147	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610157	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610167	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610177	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610187	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610197	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
610207	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620057	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620067	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620077	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620087	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620097	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620107	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620117	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620127	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620137	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620147	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620157	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620167	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620177	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09

96/487/2161

Table B5-6. Statistical Increase in Individual Risk at T_{1000} (Year 2989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
620187	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620197	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
620207	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630057	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630067	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630077	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630087	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630097	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630107	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630117	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630127	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630137	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630147	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630157	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630167	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630177	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630187	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630197	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
630207	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640057	3.45 E-04	5.07 E-07	3.45 E-04	5.07 E-07	4.21 E-06	2.03 E-07	1.90 E-07	1.85 E-08
640067	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640077	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640087	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640097	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640107	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640117	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640127	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640137	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640147	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640157	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640167	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640177	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640187	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640197	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09
640207	1.73 E-04	2.54 E-07	1.73 E-04	2.54 E-07	2.11 E-06	1.02 E-07	9.48 E-08	9.28 E-09

*Includes cancer risk and noncarcinogenic chemical risk.

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
490057	3.15 E-06	1.28 E-08	3.15 E-06	1.28 E-08	1.81 E-08	5.13 E-09	1.54 E-09	4.69 E-10
490067	3.15 E-06	1.28 E-08	3.15 E-06	1.28 E-08	1.81 E-08	5.13 E-09	1.54 E-09	4.69 E-10
490077	3.15 E-06	1.28 E-08	3.15 E-06	1.28 E-08	1.81 E-08	5.13 E-09	1.54 E-09	4.69 E-10
490087	3.15 E-06	1.28 E-08	3.15 E-06	1.28 E-08	1.81 E-08	5.13 E-09	1.54 E-09	4.69 E-10
490097	2.83 E-06	1.28 E-08	2.83 E-06	1.28 E-08	1.69 E-08	5.13 E-09	1.46 E-09	4.69 E-10
490107	2.83 E-06	1.28 E-08	2.83 E-06	1.28 E-08	1.69 E-08	5.13 E-09	1.46 E-09	4.69 E-10
490117	2.83 E-06	1.28 E-08	2.83 E-06	1.28 E-08	1.69 E-08	5.13 E-09	1.46 E-09	4.69 E-10
490127	2.83 E-06	1.28 E-08	2.83 E-06	1.28 E-08	1.69 E-08	5.13 E-09	1.46 E-09	4.69 E-10
490137	2.83 E-06	1.28 E-08	2.83 E-06	1.28 E-08	1.69 E-08	5.13 E-09	1.46 E-09	4.69 E-10
490147	2.83 E-06	1.28 E-08	2.83 E-06	1.28 E-08	1.69 E-08	5.13 E-09	1.46 E-09	4.69 E-10
490157	2.83 E-06	1.28 E-08	2.83 E-06	1.28 E-08	1.69 E-08	5.13 E-09	1.46 E-09	4.69 E-10
490167	0.00 E+00	1.50 E-13	0.00 E+00	1.50 E-13	0.00 E+00	4.94 E-14	0.00 E+00	4.47 E-15
500057	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500067	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500077	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500087	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500097	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500107	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500117	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500127	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500137	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500147	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500157	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500167	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
500177	3.15 E-06	1.28 E-08	3.15 E-06	1.28 E-08	1.81 E-08	5.13 E-09	1.54 E-09	4.69 E-10
500187	3.15 E-06	1.28 E-08	3.15 E-06	1.28 E-08	1.81 E-08	5.13 E-09	1.54 E-09	4.69 E-10
500197	3.15 E-06	1.28 E-08	3.15 E-06	1.28 E-08	1.81 E-08	5.13 E-09	1.54 E-09	4.69 E-10
500207	3.15 E-06	1.28 E-08	3.15 E-06	1.28 E-08	1.81 E-08	5.13 E-09	1.54 E-09	4.69 E-10
510057	4.07 E-06	1.36 E-08	4.07 E-06	1.36 E-08	2.14 E-08	5.47 E-09	1.77 E-09	5.00 E-10
510067	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510077	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510087	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510097	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510107	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510117	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510127	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
510137	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510147	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510157	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510167	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510177	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510187	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510197	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
510207	3.15 E-06	1.36 E-08	3.15 E-06	1.36 E-08	1.81 E-08	5.47 E-09	1.54 E-09	5.00 E-10
520057	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
520067	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
520077	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
520087	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
520097	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
520107	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
520117	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
520127	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
520137	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
520147	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
520157	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
520167	4.07 E-06	1.36 E-08	4.07 E-06	1.36 E-08	2.14 E-08	5.47 E-09	1.77 E-09	5.00 E-10
520177	4.07 E-06	1.36 E-08	4.07 E-06	1.36 E-08	2.14 E-08	5.47 E-09	1.77 E-09	5.00 E-10
520187	4.07 E-06	1.36 E-08	4.07 E-06	1.36 E-08	2.14 E-08	5.47 E-09	1.77 E-09	5.00 E-10
520197	4.07 E-06	1.36 E-08	4.07 E-06	1.36 E-08	2.14 E-08	5.47 E-09	1.77 E-09	5.00 E-10
520207	4.07 E-06	1.36 E-08	4.07 E-06	1.36 E-08	2.14 E-08	5.47 E-09	1.77 E-09	5.00 E-10
530057	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
530067	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
530077	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
530087	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
530097	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
530107	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
530117	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
530127	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
530137	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
530147	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
530157	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
530167	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	530177	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
2	530187	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
3	530197	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
4	530207	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
5	540057	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
6	540067	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
7	540077	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
8	540087	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
9	540097	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
10	540107	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
11	540117	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
12	540127	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
13	540137	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
14	540147	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
15	540157	8.69 E-06	1.36 E-08	8.69 E-06	1.36 E-08	6.33 E-08	5.47 E-09	5.76 E-09	5.00 E-10
16	540167	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
17	540177	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
18	540187	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
19	540197	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
20	540207	5.28 E-06	1.36 E-08	5.28 E-06	1.36 E-08	2.59 E-08	5.47 E-09	2.07 E-09	5.00 E-10
21	550057	2.74 E-05	6.54 E-08	2.74 E-05	6.54 E-08	1.32 E-07	2.62 E-08	1.05 E-08	2.40 E-09
22	550067	2.74 E-05	6.54 E-08	2.74 E-05	6.54 E-08	1.32 E-07	2.62 E-08	1.05 E-08	2.40 E-09
23	550077	2.74 E-05	6.54 E-08	2.74 E-05	6.54 E-08	1.32 E-07	2.62 E-08	1.05 E-08	2.40 E-09
24	550087	2.58 E-05	6.54 E-08	2.58 E-05	6.54 E-08	1.26 E-07	2.62 E-08	1.01 E-08	2.40 E-09
25	550097	2.58 E-05	6.54 E-08	2.58 E-05	6.54 E-08	1.26 E-07	2.62 E-08	1.01 E-08	2.40 E-09
26	550107	2.58 E-05	6.54 E-08	2.58 E-05	6.54 E-08	1.26 E-07	2.62 E-08	1.01 E-08	2.40 E-09
27	550117	2.58 E-05	6.54 E-08	2.58 E-05	6.54 E-08	1.26 E-07	2.62 E-08	1.01 E-08	2.40 E-09
28	550127	2.58 E-05	6.54 E-08	2.58 E-05	6.54 E-08	1.26 E-07	2.62 E-08	1.01 E-08	2.40 E-09
29	550137	2.58 E-05	6.54 E-08	2.58 E-05	6.54 E-08	1.26 E-07	2.62 E-08	1.01 E-08	2.40 E-09
30	550147	2.58 E-05	6.54 E-08	2.58 E-05	6.54 E-08	1.26 E-07	2.62 E-08	1.01 E-08	2.40 E-09
31	550157	2.58 E-05	6.54 E-08	2.58 E-05	6.54 E-08	1.26 E-07	2.62 E-08	1.01 E-08	2.40 E-09
32	550167	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
33	550177	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
34	550187	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
35	550197	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09
36	550207	2.58 E-05	6.21 E-08	2.58 E-05	6.21 E-08	1.26 E-07	2.49 E-08	1.01 E-08	2.28 E-09

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
560057	3.45 E-05	6.54 E-08	3.45 E-05	6.54 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
560067	3.45 E-05	6.54 E-08	3.45 E-05	6.54 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
560077	3.45 E-05	6.54 E-08	3.45 E-05	6.54 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
560087	3.45 E-05	6.54 E-08	3.45 E-05	6.54 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
560097	3.45 E-05	6.54 E-08	3.45 E-05	6.54 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
560107	3.45 E-05	6.54 E-08	3.45 E-05	6.54 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
560117	3.45 E-05	6.54 E-08	3.45 E-05	6.54 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
560157	2.74 E-05	6.54 E-08	2.74 E-05	6.54 E-08	1.32 E-07	2.62 E-08	1.05 E-08	2.40 E-09
560167	2.74 E-05	6.54 E-08	2.74 E-05	6.54 E-08	1.32 E-07	2.62 E-08	1.05 E-08	2.40 E-09
560177	2.74 E-05	6.54 E-08	2.74 E-05	6.54 E-08	1.32 E-07	2.62 E-08	1.05 E-08	2.40 E-09
560187	2.74 E-05	6.54 E-08	2.74 E-05	6.54 E-08	1.32 E-07	2.62 E-08	1.05 E-08	2.40 E-09
560197	2.74 E-05	6.54 E-08	2.74 E-05	6.54 E-08	1.32 E-07	2.62 E-08	1.05 E-08	2.40 E-09
560207	2.74 E-05	6.54 E-08	2.74 E-05	6.54 E-08	1.32 E-07	2.62 E-08	1.05 E-08	2.40 E-09
561128	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561129	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561130	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561131	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561132	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561133	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561134	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561135	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561136	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561137	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561138	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561139	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561140	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561141	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561142	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561143	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561144	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561145	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561146	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561147	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561148	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561149	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
561150	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	561151	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
2	561152	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
3	561153	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
4	561154	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
5	561155	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
6	561156	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
7	562128	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
8	562129	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
9	562130	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
10	562131	6.68 E-04	1.19 E-06	6.68 E-04	1.19 E-06	3.05 E-06	4.74 E-07	2.36 E-07	4.36 E-08
11	562132	6.68 E-04	6.27 E-06	6.68 E-04	6.27 E-06	3.05 E-06	2.51 E-06	2.36 E-07	2.32 E-07
12	562133	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
13	562134	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
14	562135	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
15	562136	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
16	562137	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
17	562138	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
18	562139	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
19	562140	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
20	562141	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
21	562142	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
22	562143	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
23	562144	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
24	562145	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	7.03 E-06	2.51 E-06	6.27 E-07	2.32 E-07
25	562146	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	7.05 E-06	2.51 E-06	6.28 E-07	2.32 E-07
26	562147	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
27	562148	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
28	562149	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
29	562150	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
30	562151	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
31	562152	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
32	562153	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
33	562154	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
34	562155	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
35	562156	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
36	563128	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	563129	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
2	563130	1.03 E-03	6.27 E-06	1.03 E-03	6.27 E-06	6.99 E-06	2.51 E-06	6.26 E-07	2.32 E-07
3	563131	1.03 E-03	6.29 E-06	1.03 E-03	6.29 E-06	6.99 E-06	2.52 E-06	6.26 E-07	2.32 E-07
4	563132	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
5	563133	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
6	563134	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
7	563135	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
8	563136	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
9	563137	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
10	563138	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
11	563139	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
12	563140	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
13	563141	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
14	563142	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
15	563143	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.92 E-05	2.52 E-06	1.46 E-06	2.32 E-07
16	563144	4.35 E-03	9.81 E-06	4.35 E-03	9.38 E-06	2.40 E-05	2.60 E-06	1.61 E-06	2.37 E-07
17	563145	4.51 E-03	1.16 E-05	4.50 E-03	1.10 E-05	1.34 E-04	2.64 E-06	4.98 E-06	2.40 E-07
18	563146	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
19	563147	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
20	563148	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
21	563149	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
22	563150	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
23	563151	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
24	563152	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
25	563153	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
26	563154	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
27	563155	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
28	563156	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
29	564128	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
30	564129	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
31	564130	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
32	564131	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
33	564132	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
34	564133	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
35	564134	4.34 E-03	6.29 E-06	4.34 E-03	6.29 E-06	1.91 E-05	2.52 E-06	1.46 E-06	2.32 E-07
36	564135	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
564136	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564137	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564138	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564139	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564140	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564141	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564142	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564143	4.36 E-03	1.25 E-05	4.36 E-03	1.18 E-05	2.90 E-05	2.69 E-06	1.76 E-06	2.44 E-07
564144	1.33 E-02	1.56 E-05	1.28 E-02	1.45 E-05	6.07 E-03	2.83 E-06	1.88 E-04	2.52 E-07
564145	2.31 E-01	2.48 E-05	2.19 E-01	2.32 E-05	1.54 E-01	5.04 E-06	4.75 E-03	3.64 E-07
564146	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564147	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564148	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564149	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564150	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564151	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564152	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564153	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564154	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564155	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
564156	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
565128	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
565129	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
565130	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
565131	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
565132	4.34 E-03	6.35 E-06	4.34 E-03	6.35 E-06	1.91 E-05	2.55 E-06	1.46 E-06	2.34 E-07
565133	4.34 E-03	3.30 E-05	4.34 E-03	3.30 E-05	1.91 E-05	1.32 E-05	1.46 E-06	1.22 E-06
565134	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565135	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565136	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565137	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565138	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565139	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565140	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565141	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565142	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
565143	1.55 E-02	4.99 E-05	1.50 E-02	4.79 E-05	6.33 E-03	1.37 E-05	1.97 E-04	1.25 E-06
565144	1.74 E+00	9.41 E-05	1.65 E+00	9.16 E-05	1.18 E+00	2.99 E-05	3.62 E-02	2.05 E-06
565145	5.79 E+01	1.46 E-03	5.47 E+01	1.46 E-03	3.93 E+01	5.87 E-04	1.21 E+00	2.93 E-05
565146	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565147	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565148	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565149	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565150	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565151	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565152	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565153	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565154	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565155	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
565156	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
566128	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
566129	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
566130	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
566131	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.32 E-05	3.50 E-06	1.22 E-06
566132	6.23 E-03	3.30 E-05	6.23 E-03	3.30 E-05	3.98 E-05	1.33 E-05	3.50 E-06	1.22 E-06
566133	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566134	3.00 E-02	3.30 E-05	3.00 E-02	3.30 E-05	1.37 E-04	1.33 E-05	1.07 E-05	1.22 E-06
566135	9.03 E-01	3.31 E-05	9.03 E-01	3.31 E-05	8.69 E-02	1.33 E-05	1.72 E-02	1.22 E-06
566136	6.75 E+00	9.72 E-02	6.75 E+00	9.72 E-02	1.31 E+00	5.79 E-02	1.52 E-01	3.73 E-03
566137	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566138	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566139	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566140	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566141	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566142	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566143	3.36 E+00	1.42 E-04	3.18 E+00	1.37 E-04	2.26 E+00	4.20 E-05	6.97 E-02	2.68 E-06
566144	1.50 E+02	3.33 E-03	1.43 E+02	3.32 E-03	1.02 E+02	1.34 E-03	3.14 E+00	6.70 E-05
566145	1.85 E+03	4.18 E-02	1.75 E+03	4.18 E-02	1.26 E+03	1.74 E-02	3.88 E+01	8.69 E-04
566146	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566147	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566148	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566149	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
566150	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566151	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566152	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566153	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566154	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566155	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
566156	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567128	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567129	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567130	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567131	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567132	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567133	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567134	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567135	2.15 E+02	4.33 E-03	2.03 E+02	4.33 E-03	1.46 E+02	1.75 E-03	4.49 E+00	8.85 E-05
567136	5.27 E-02	3.51 E-05	5.27 E-02	3.50 E-05	4.78 E-03	1.40 E-05	4.67 E-04	1.25 E-06
567137	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567138	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567139	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567140	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.28 E-04	1.33 E-05	9.51 E-06	1.22 E-06
567141	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567142	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567143	3.64 E+02	7.44 E-03	3.44 E+02	7.43 E-03	2.46 E+02	2.98 E-03	7.60 E+00	1.50 E-04
567144	4.00 E+03	7.65 E-02	3.79 E+03	7.65 E-02	2.72 E+03	3.23 E-02	8.37 E+01	1.67 E-03
567145	1.33 E+04	2.29 E-01	1.26 E+04	2.29 E-01	9.03 E+03	1.06 E-01	2.78 E+02	5.80 E-03
567146	1.81 E+04	3.32 E-01	1.72 E+04	3.32 E-01	1.23 E+04	1.57 E-01	3.79 E+02	8.68 E-03
567147	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567148	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567149	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567150	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567151	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567152	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567153	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567154	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567155	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
567156	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
568128	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568129	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568130	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568131	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568132	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568133	3.07 E-02	3.71 E-05	3.02 E-02	3.71 E-05	1.54 E-04	1.49 E-05	1.09 E-05	1.29 E-06
568134	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568135	4.36 E+01	9.03 E-04	4.12 E+01	9.03 E-04	2.95 E+01	3.65 E-04	9.09 E-01	1.89 E-05
568136	3.00 E-02	3.33 E-05	3.00 E-02	3.33 E-05	1.72 E-04	1.34 E-05	1.09 E-05	1.23 E-06
568137	2.99 E-02	3.31 E-05	2.99 E-02	3.31 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568138	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568139	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.47 E-06	1.22 E-06
568140	5.43 E-02	1.26 E-04	5.29 E-02	1.14 E-04	1.67 E-02	1.55 E-05	5.18 E-04	1.38 E-06
568141	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568142	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568143	8.61 E+03	1.47 E-01	8.14 E+03	1.47 E-01	5.85 E+03	6.51 E-02	1.80 E+02	3.51 E-03
568144	1.96 E+04	2.81 E-01	1.87 E+04	2.81 E-01	1.34 E+04	1.38 E-01	4.11 E+02	8.06 E-03
568145	1.71 E+04	2.64 E-01	1.61 E+04	2.64 E-01	1.16 E+04	1.27 E-01	3.57 E+02	7.18 E-03
568146	7.60 E+03	1.51 E-01	7.19 E+03	1.51 E-01	5.15 E+03	6.60 E-02	1.59 E+02	3.45 E-03
568147	1.76 E+03	4.15 E-02	1.67 E+03	4.15 E-02	1.20 E+03	1.72 E-02	3.68 E+01	8.56 E-04
568148	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568149	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568150	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568151	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568152	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568153	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568154	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568155	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
568156	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569128	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569129	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569130	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569131	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569132	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569133	3.06 E-02	3.41 E-05	3.01 E-02	3.41 E-05	1.49 E-04	1.37 E-05	1.06 E-05	1.24 E-06
569134	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
569135	2.12 E+01	4.56 E-04	2.00 E+01	4.56 E-04	1.44 E+01	1.84 E-04	4.42 E-01	9.81 E-06
569136	2.57 E+02	5.19 E-03	2.43 E+02	5.19 E-03	1.74 E+02	2.09 E-03	5.37 E+00	1.05 E-04
569137	2.99 E-02	5.91 E-05	2.99 E-02	5.60 E-05	1.27 E-04	1.38 E-05	9.47 E-06	1.26 E-06
569138	2.99 E-02	3.33 E-05	2.99 E-02	3.33 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569139	6.72 E-02	1.78 E-04	6.51 E-02	1.60 E-04	2.55 E-02	1.67 E-05	7.89 E-04	1.46 E-06
569140	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569141	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569142	1.72 E+04	2.53 E-01	1.62 E+04	2.53 E-01	1.17 E+04	1.22 E-01	3.60 E+02	7.00 E-03
569143	2.26 E+04	3.05 E-01	2.14 E+04	3.05 E-01	1.54 E+04	1.54 E-01	4.74 E+02	9.20 E-03
569144	1.07 E+04	1.76 E-01	1.01 E+04	1.76 E-01	7.28 E+03	7.98 E-02	2.24 E+02	4.37 E-03
569145	2.61 E+03	5.10 E-02	2.47 E+03	5.09 E-02	1.77 E+03	2.12 E-02	5.46 E+01	1.08 E-03
569146	4.25 E+02	9.37 E-03	4.02 E+02	9.37 E-03	2.88 E+02	3.79 E-03	8.89 E+00	1.89 E-04
569147	5.37 E+01	1.48 E-03	5.09 E+01	1.48 E-03	3.65 E+01	6.01 E-04	1.13 E+00	2.97 E-05
569148	2.13 E+00	2.79 E-04	2.01 E+00	2.77 E-04	1.42 E+00	1.12 E-04	4.38 E-02	5.63 E-06
569149	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569150	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569151	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569152	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569153	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569154	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569155	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
569156	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
570057	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
570067	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
570077	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
570087	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
570097	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
570107	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
570117	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
570128	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
570129	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
570130	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
570131	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
570132	2.99 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.27 E-04	1.33 E-05	9.45 E-06	1.22 E-06
570133	3.00 E-02	3.31 E-05	2.99 E-02	3.31 E-05	1.29 E-04	1.33 E-05	9.56 E-06	1.22 E-06
570134	3.00 E-02	3.30 E-05	2.99 E-02	3.30 E-05	1.28 E-04	1.33 E-05	9.51 E-06	1.22 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
570135	1.24 E+01	2.81 E-04	1.17 E+01	2.81 E-04	8.38 E+00	1.13 E-04	2.58 E-01	6.25 E-06
570136	1.80 E+04	2.61 E-01	1.70 E+04	2.61 E-01	1.22 E+04	1.26 E-01	3.75 E+02	7.29 E-03
570137	1.46 E+00	2.41 E-04	1.39 E+00	2.20 E-04	9.77 E-01	2.94 E-05	3.01 E-02	2.12 E-06
570138	3.87 E+01	1.12 E-03	3.66 E+01	1.08 E-03	2.63 E+01	3.32 E-04	8.08 E-01	1.74 E-05
570139	1.71 E+00	3.35 E-04	1.62 E+00	3.03 E-04	1.14 E+00	3.28 E-05	3.51 E-02	2.34 E-06
570140	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
570141	2.78 E+04	3.47 E-01	2.63 E+04	3.47 E-01	1.89 E+04	1.82 E-01	5.81 E+02	1.11 E-02
570142	1.62 E+04	2.42 E-01	1.53 E+04	2.42 E-01	1.10 E+04	1.16 E-01	3.39 E+02	6.59 E-03
570143	3.38 E+03	6.43 E-02	3.20 E+03	6.43 E-02	2.29 E+03	2.69 E-02	7.07 E+01	1.39 E-03
570144	3.87 E+02	8.78 E-03	3.66 E+02	8.77 E-03	2.63 E+02	3.54 E-03	8.08 E+00	1.76 E-04
570145	3.27 E+01	1.21 E-03	3.09 E+01	1.20 E-03	2.22 E+01	4.82 E-04	6.82 E-01	2.34 E-05
570146	2.41 E+00	1.83 E-03	2.28 E+00	1.83 E-03	1.62 E+00	7.82 E-04	4.98 E-02	3.47 E-05
570147	1.93 E-01	1.42 E-03	1.83 E-01	1.42 E-03	1.10 E-01	6.11 E-04	3.40 E-03	2.71 E-05
570148	4.18 E-02	1.01 E-03	4.02 E-02	1.01 E-03	7.30 E-03	4.37 E-04	2.31 E-04	1.96 E-05
570149	3.12 E-02	6.47 E-04	3.03 E-02	6.46 E-04	1.88 E-04	2.77 E-04	1.18 E-05	1.27 E-05
570150	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
570151	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
570152	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
570153	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
570154	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
570155	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
570156	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
570157	3.45 E-05	6.55 E-08	3.45 E-05	6.55 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
570167	3.45 E-05	6.55 E-08	3.45 E-05	6.55 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
570177	3.45 E-05	6.54 E-08	3.45 E-05	6.54 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
570187	3.45 E-05	6.54 E-08	3.45 E-05	6.54 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
570197	3.45 E-05	6.54 E-08	3.45 E-05	6.54 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
570207	3.45 E-05	6.54 E-08	3.45 E-05	6.54 E-08	1.58 E-07	2.62 E-08	1.23 E-08	2.40 E-09
571128	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
571129	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
571130	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
571131	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
571132	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
571133	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
571134	3.08 E-02	3.35 E-05	3.02 E-02	3.35 E-05	1.57 E-04	1.34 E-05	1.10 E-05	1.24 E-06
571135	3.11 E-02	3.46 E-05	3.06 E-02	3.44 E-05	5.44 E-04	1.34 E-05	2.25 E-05	1.24 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
571136	1.48 E+01	4.49 E-04	1.41 E+01	4.35 E-04	1.01 E+01	1.36 E-04	3.10 E-01	7.44 E-06
571137	2.12 E+04	2.92 E-01	2.00 E+04	2.92 E-01	1.44 E+04	1.45 E-01	4.42 E+02	8.59 E-03
571138	4.19 E+04	4.33 E-01	3.96 E+04	4.33 E-01	2.85 E+04	2.50 E-01	8.76 E+02	1.68 E-02
571139	1.46 E+04	2.23 E-01	1.37 E+04	2.23 E-01	9.86 E+03	1.05 E-01	3.04 E+02	5.90 E-03
571140	3.68 E+03	6.90 E-02	3.48 E+03	6.89 E-02	2.49 E+03	2.89 E-02	7.69 E+01	1.50 E-03
571141	8.76 E+00	7.06 E-04	8.29 E+00	6.69 E-04	5.92 E+00	1.76 E-04	1.82 E-01	8.98 E-06
571142	3.27 E+02	7.94 E-03	3.09 E+02	7.92 E-03	2.22 E+02	3.17 E-03	6.82 E+00	1.57 E-04
571143	1.49 E+01	3.91 E-03	1.42 E+01	3.90 E-03	1.01 E+01	1.65 E-03	3.12 E-01	7.29 E-05
571144	6.27 E-01	4.14 E-03	5.93 E-01	4.13 E-03	4.04 E-01	1.78 E-03	1.25 E-02	7.77 E-05
571145	5.38 E-02	2.50 E-03	5.17 E-02	2.49 E-03	1.56 E-02	1.07 E-03	4.85 E-04	4.72 E-05
571146	3.20 E-02	4.76 E-03	3.11 E-02	4.76 E-03	7.66 E-04	2.06 E-03	2.97 E-05	9.02 E-05
571147	3.09 E-02	3.11 E-03	3.02 E-02	3.11 E-03	1.81 E-04	1.35 E-03	1.15 E-05	5.92 E-05
571148	3.07 E-02	1.66 E-03	3.01 E-02	1.66 E-03	1.46 E-04	7.19 E-04	1.04 E-05	3.19 E-05
571149	3.06 E-02	7.59 E-04	3.01 E-02	7.59 E-04	1.42 E-04	3.30 E-04	1.03 E-05	1.50 E-05
571150	3.03 E-02	2.97 E-04	3.00 E-02	2.97 E-04	1.37 E-04	1.29 E-04	1.00 E-05	6.21 E-06
571151	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
571152	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
571153	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
571154	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
571155	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
571156	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
572128	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
572129	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
572130	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
572131	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
572132	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
572133	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
572134	3.02 E-02	3.34 E-05	3.00 E-02	3.34 E-05	1.35 E-04	1.34 E-05	9.91 E-06	1.23 E-06
572135	3.01 E-02	3.46 E-05	3.00 E-02	3.45 E-05	1.31 E-04	1.34 E-05	9.69 E-06	1.24 E-06
572136	3.09 E-02	3.48 E-05	3.02 E-02	3.47 E-05	1.42 E-04	1.34 E-05	1.03 E-05	1.24 E-06
572137	4.81 E-01	2.09 E-04	4.58 E-01	1.89 E-04	3.06 E-01	2.07 E-05	9.44 E-03	1.68 E-06
572138	4.98 E+02	1.03 E-02	4.71 E+02	1.03 E-02	3.38 E+02	4.04 E-03	1.04 E+01	2.04 E-04
572139	6.21 E+03	1.11 E-01	5.87 E+03	1.11 E-01	4.21 E+03	4.77 E-02	1.30 E+02	2.52 E-03
572140	6.51 E+01	1.65 E-03	6.15 E+01	1.61 E-03	4.42 E+01	5.52 E-04	1.36 E+00	2.84 E-05
572141	4.77 E-02	3.71 E-04	4.65 E-02	3.47 E-04	1.19 E-02	7.93 E-05	3.72 E-04	4.22 E-06
572142	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	572143	3.13 E-02	1.61 E-03	3.11 E-02	1.61 E-03	9.05 E-04	6.77 E-04	3.35 E-05	3.00 E-05
2	572144	3.01 E-02	1.68 E-03	3.00 E-02	1.68 E-03	1.48 E-04	7.19 E-04	1.02 E-05	3.19 E-05
3	572145	3.00 E-02	8.48 E-04	3.00 E-02	8.48 E-04	1.29 E-04	3.68 E-04	9.58 E-06	1.67 E-05
4	572146	3.01 E-02	2.34 E-03	3.00 E-02	2.34 E-03	1.32 E-04	1.02 E-03	9.72 E-06	4.50 E-05
5	572147	3.01 E-02	1.46 E-03	3.00 E-02	1.46 E-03	1.32 E-04	6.37 E-04	9.71 E-06	2.83 E-05
6	572148	3.01 E-02	7.42 E-04	3.00 E-02	7.42 E-04	1.31 E-04	3.23 E-04	9.70 E-06	1.47 E-05
7	572149	3.01 E-02	3.33 E-04	3.00 E-02	3.33 E-04	1.31 E-04	1.44 E-04	9.70 E-06	6.89 E-06
8	572150	3.01 E-02	1.39 E-04	3.00 E-02	1.39 E-04	1.31 E-04	5.93 E-05	9.68 E-06	3.22 E-06
9	572151	3.00 E-02	8.31 E-05	2.99 E-02	8.31 E-05	1.29 E-04	3.50 E-05	9.57 E-06	2.17 E-06
10	572152	2.99 E-02	3.35 E-05	2.99 E-02	3.35 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
11	572153	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
12	572154	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
13	572155	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
14	572156	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
15	573128	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
16	573129	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
17	573130	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
18	573131	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
19	573132	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
20	573133	2.99 E-02	3.34 E-05	2.99 E-02	3.34 E-05	1.27 E-04	1.34 E-05	9.45 E-06	1.23 E-06
21	573134	8.68 E-01	3.34 E-05	8.68 E-01	3.34 E-05	1.71 E-01	1.34 E-05	1.69 E-02	1.23 E-06
22	573135	3.01 E-02	3.41 E-05	3.00 E-02	3.40 E-05	1.32 E-04	1.34 E-05	9.72 E-06	1.23 E-06
23	573136	4.93 E-02	3.60 E-05	4.93 E-02	3.59 E-05	4.09 E-03	1.42 E-05	3.99 E-04	1.26 E-06
24	573137	7.76 E+00	4.08 E-05	7.76 E+00	4.07 E-05	1.50 E+00	1.63 E-05	1.75 E-01	1.35 E-06
25	573138	3.34 E-02	1.81 E-04	3.32 E-02	1.64 E-04	2.45 E-03	1.73 E-05	8.11 E-05	1.52 E-06
26	573139	2.21 E-01	2.36 E-04	2.10 E-01	2.12 E-04	1.29 E-01	1.99 E-05	3.99 E-03	1.68 E-06
27	573140	3.08 E-02	1.73 E-04	3.07 E-02	1.57 E-04	6.91 E-04	1.75 E-05	2.69 E-05	1.53 E-06
28	573141	2.99 E-02	4.43 E-05	2.99 E-02	4.43 E-05	1.31 E-04	1.80 E-05	9.61 E-06	1.46 E-06
29	573142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
30	573143	2.99 E-02	1.03 E-04	2.99 E-02	1.03 E-04	1.27 E-04	4.35 E-05	9.46 E-06	2.57 E-06
31	573144	2.99 E-02	1.21 E-04	2.99 E-02	1.20 E-04	1.27 E-04	5.11 E-05	9.46 E-06	2.90 E-06
32	573145	2.99 E-02	8.63 E-05	2.99 E-02	8.63 E-05	1.27 E-04	3.63 E-05	9.45 E-06	2.26 E-06
33	573146	2.99 E-02	2.24 E-04	2.99 E-02	2.24 E-04	1.27 E-04	9.64 E-05	9.47 E-06	4.86 E-06
34	573147	2.99 E-02	1.79 E-04	2.99 E-02	1.79 E-04	1.27 E-04	7.68 E-05	9.47 E-06	4.01 E-06
35	573148	2.99 E-02	1.21 E-04	2.99 E-02	1.21 E-04	1.27 E-04	5.16 E-05	9.48 E-06	2.92 E-06
36	573149	2.99 E-02	8.12 E-05	2.99 E-02	8.12 E-05	1.27 E-04	3.42 E-05	9.48 E-06	2.16 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
573150	3.00 E-02	5.18 E-05	2.99 E-02	5.18 E-05	1.27 E-04	2.14 E-05	9.49 E-06	1.61 E-06
573151	2.99 E-02	4.22 E-05	2.99 E-02	4.22 E-05	1.27 E-04	1.72 E-05	9.47 E-06	1.43 E-06
573152	2.99 E-02	3.53 E-05	2.99 E-02	3.53 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.29 E-06
573153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
573154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
573155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
573156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574128	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574129	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574130	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574131	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574132	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574133	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574140	2.99 E-02	3.53 E-05	2.99 E-02	3.53 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574143	2.99 E-02	3.55 E-05	2.99 E-02	3.55 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.30 E-06
574144	2.99 E-02	3.57 E-05	2.99 E-02	3.56 E-05	1.27 E-04	1.43 E-05	9.45 E-06	1.30 E-06
574145	2.99 E-02	3.58 E-05	2.99 E-02	3.58 E-05	1.27 E-04	1.44 E-05	9.45 E-06	1.30 E-06
574146	2.99 E-02	3.82 E-05	2.99 E-02	3.82 E-05	1.27 E-04	1.54 E-05	9.45 E-06	1.35 E-06
574147	2.99 E-02	3.88 E-05	2.99 E-02	3.88 E-05	1.27 E-04	1.57 E-05	9.45 E-06	1.36 E-06
574148	2.99 E-02	3.92 E-05	2.99 E-02	3.92 E-05	1.27 E-04	1.59 E-05	9.45 E-06	1.37 E-06
574149	2.99 E-02	3.95 E-05	2.99 E-02	3.95 E-05	1.27 E-04	1.60 E-05	9.45 E-06	1.37 E-06
574150	2.99 E-02	3.80 E-05	2.99 E-02	3.80 E-05	1.27 E-04	1.54 E-05	9.45 E-06	1.35 E-06
574151	2.99 E-02	3.69 E-05	2.99 E-02	3.69 E-05	1.27 E-04	1.49 E-05	9.45 E-06	1.33 E-06
574152	2.99 E-02	3.55 E-05	2.99 E-02	3.55 E-05	1.27 E-04	1.43 E-05	9.45 E-06	1.30 E-06
574153	2.99 E-02	3.52 E-05	2.99 E-02	3.52 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
574156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
575128	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575129	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575130	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575131	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575132	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575133	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575145	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575146	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575147	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575148	2.99 E-02	3.52 E-05	2.99 E-02	3.52 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575149	2.99 E-02	3.53 E-05	2.99 E-02	3.53 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.30 E-06
575150	2.99 E-02	3.53 E-05	2.99 E-02	3.53 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.29 E-06
575151	2.99 E-02	3.57 E-05	2.99 E-02	3.57 E-05	1.27 E-04	1.44 E-05	9.45 E-06	1.30 E-06
575152	2.99 E-02	3.54 E-05	2.99 E-02	3.54 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.30 E-06
575153	2.99 E-02	3.52 E-05	2.99 E-02	3.52 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
575156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576126	1.75 E-14	1.28 E-16	1.75 E-14	1.28 E-16	1.29 E-14	5.67 E-17	3.92 E-16	2.46 E-18
576127	5.17 E-15	6.11 E-14	5.17 E-15	6.11 E-14	3.81 E-15	2.66 E-14	1.16 E-16	1.15 E-15
576128	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576129	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576130	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576131	2.99 E-02	3.52 E-05	2.99 E-02	3.52 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576132	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
576133	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576145	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576146	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576147	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576148	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576149	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576150	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576151	2.99 E-02	3.52 E-05	2.99 E-02	3.52 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576152	2.99 E-02	3.52 E-05	2.99 E-02	3.52 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
576156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
577124	4.62 E-22	4.91 E-19	1.08 E-22	4.91 E-19	5.12 E-24	2.14 E-19	2.87 E-25	9.26 E-21
577125	1.55 E-13	1.13 E-15	1.55 E-13	1.13 E-15	1.14 E-13	4.97 E-16	3.48 E-15	2.16 E-17
577126	5.62 E-14	4.85 E-13	5.62 E-14	4.85 E-13	4.14 E-14	2.11 E-13	1.26 E-15	9.16 E-15
577127	2.61 E-14	1.15 E-10	2.29 E-14	1.15 E-10	1.61 E-14	5.02 E-11	4.94 E-16	2.18 E-12
577128	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
577129	2.99 E-02	3.54 E-05	2.99 E-02	3.54 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.30 E-06
577130	2.99 E-02	3.73 E-05	2.99 E-02	3.73 E-05	1.27 E-04	1.51 E-05	9.45 E-06	1.33 E-06
577131	2.99 E-02	3.97 E-05	2.99 E-02	3.97 E-05	1.27 E-04	1.61 E-05	9.45 E-06	1.38 E-06
577132	2.99 E-02	3.77 E-05	2.99 E-02	3.77 E-05	1.27 E-04	1.52 E-05	9.45 E-06	1.34 E-06
577133	2.99 E-02	3.53 E-05	2.99 E-02	3.53 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.29 E-06
577134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
577135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	577136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
2	577137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
3	577138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
4	577139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
5	577140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
6	577141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
7	577142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
8	577143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
9	577144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
10	577145	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
11	577146	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
12	577147	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
13	577148	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
14	577149	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
15	577150	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
16	577151	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
17	577152	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
18	577153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
19	577154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
20	577155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
21	577156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
22	578122	7.28 E-12	1.84 E-15	7.28 E-12	1.84 E-15	5.36 E-12	1.09 E-15	1.63 E-13	4.65 E-17
23	578123	2.13 E-12	5.55 E-16	2.13 E-12	5.55 E-16	1.57 E-12	3.27 E-16	4.77 E-14	1.39 E-17
24	578124	9.73 E-13	6.43 E-15	9.73 E-13	6.43 E-15	7.17 E-13	2.84 E-15	2.18 E-14	1.23 E-16
25	578125	4.15 E-13	2.06 E-12	4.15 E-13	2.06 E-12	3.06 E-13	8.98 E-13	9.31 E-15	3.89 E-14
26	578126	2.08 E-13	4.17 E-10	1.93 E-13	4.17 E-10	1.39 E-13	1.81 E-10	4.24 E-15	7.87 E-12
27	578127	1.46 E-12	3.80 E-08	3.95 E-13	3.80 E-08	6.60 E-14	1.65 E-08	2.40 E-15	7.17 E-10
28	578128	2.99 E-02	3.66 E-05	2.99 E-02	3.66 E-05	1.27 E-04	1.47 E-05	9.45 E-06	1.32 E-06
29	578129	2.99 E-02	5.25 E-05	2.99 E-02	5.25 E-05	1.27 E-04	2.17 E-05	9.45 E-06	1.62 E-06
30	578130	2.99 E-02	8.60 E-05	2.99 E-02	8.60 E-05	1.27 E-04	3.63 E-05	9.45 E-06	2.25 E-06
31	578131	2.99 E-02	7.94 E-05	2.99 E-02	7.94 E-05	1.27 E-04	3.34 E-05	9.45 E-06	2.13 E-06
32	578132	2.99 E-02	4.38 E-05	2.99 E-02	4.38 E-05	1.27 E-04	1.79 E-05	9.45 E-06	1.46 E-06
33	578133	2.99 E-02	3.54 E-05	2.99 E-02	3.54 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.30 E-06
34	578134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
35	578135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
36	578136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
578137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.46 E-06	1.29 E-06
578143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578145	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578146	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578147	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578148	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578149	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578150	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578151	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578152	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
578156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579121	2.64 E-11	6.68 E-15	2.64 E-11	6.68 E-15	1.95 E-11	3.97 E-15	5.93 E-13	1.69 E-16
579122	1.46 E-11	3.99 E-15	1.46 E-11	3.99 E-15	1.08 E-11	2.32 E-15	3.28 E-13	9.89 E-17
579123	3.04 E-12	1.55 E-14	3.04 E-12	1.55 E-14	2.24 E-12	6.85 E-15	6.82 E-14	2.96 E-16
579124	2.01 E-12	3.64 E-12	2.01 E-12	3.64 E-12	1.48 E-12	1.59 E-12	4.50 E-14	6.88 E-14
579125	1.21 E-12	5.94 E-10	1.17 E-12	5.94 E-10	8.51 E-13	2.59 E-10	2.59 E-14	1.12 E-11
579126	3.50 E-12	6.92 E-08	1.20 E-12	6.92 E-08	3.96 E-13	3.01 E-08	1.29 E-14	1.31 E-09
579127	9.51 E-11	2.57 E-06	2.24 E-11	2.57 E-06	1.22 E-12	1.12 E-06	6.38 E-14	4.86 E-08
579128	2.99 E-02	7.39 E-05	2.99 E-02	7.39 E-05	1.27 E-04	3.10 E-05	9.45 E-06	2.03 E-06
579129	2.99 E-02	2.14 E-04	2.99 E-02	2.14 E-04	1.27 E-04	9.21 E-05	9.45 E-06	4.67 E-06
579130	2.99 E-02	2.82 E-04	2.99 E-02	2.82 E-04	1.27 E-04	1.22 E-04	9.45 E-06	5.97 E-06
579131	2.99 E-02	1.22 E-04	2.99 E-02	1.22 E-04	1.27 E-04	5.21 E-05	9.45 E-06	2.94 E-06
579132	2.99 E-02	4.39 E-05	2.99 E-02	4.39 E-05	1.27 E-04	1.79 E-05	9.45 E-06	1.46 E-06
579133	2.99 E-02	3.52 E-05	2.99 E-02	3.52 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.29 E-06
579134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
579137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.48 E-06	1.29 E-06
579143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579145	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579146	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.46 E-06	1.29 E-06
579147	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.46 E-06	1.29 E-06
579148	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.46 E-06	1.29 E-06
579149	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579150	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579151	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579152	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
579156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580057	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
580067	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
580077	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
580087	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
580097	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
580107	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
580120	5.11 E-11	1.29 E-14	5.11 E-11	1.29 E-14	3.76 E-11	7.66 E-15	1.15 E-12	3.26 E-16
580121	4.86 E-11	1.31 E-14	4.86 E-11	1.31 E-14	3.58 E-11	7.65 E-15	1.09 E-12	3.25 E-16
580122	6.22 E-12	2.03 E-14	6.22 E-12	2.03 E-14	4.58 E-12	9.08 E-15	1.39 E-13	3.94 E-16
580123	4.76 E-12	2.46 E-12	4.76 E-12	2.46 E-12	3.51 E-12	1.07 E-12	1.07 E-13	4.64 E-14
580124	3.29 E-12	4.07 E-10	3.21 E-12	4.07 E-10	2.35 E-12	1.77 E-10	7.17 E-14	7.68 E-12
580125	6.47 E-12	3.85 E-08	3.12 E-12	3.85 E-08	1.60 E-12	1.68 E-08	4.98 E-14	7.28 E-10
580126	1.25 E-10	2.05 E-06	3.04 E-11	2.05 E-06	2.49 E-12	8.94 E-07	1.10 E-13	3.88 E-08
580127	1.55 E-09	3.91 E-05	3.65 E-10	3.91 E-05	1.77 E-11	1.70 E-05	9.78 E-13	7.38 E-07
580128	2.99 E-02	2.90 E-04	2.99 E-02	2.90 E-04	1.27 E-04	1.26 E-04	9.45 E-06	6.12 E-06
580129	2.99 E-02	5.58 E-04	2.99 E-02	5.58 E-04	1.27 E-04	2.42 E-04	9.45 E-06	1.12 E-05

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
580130	2.99 E-02	3.48 E-04	2.99 E-02	3.48 E-04	1.27 E-04	1.51 E-04	9.45 E-06	7.21 E-06
580131	2.99 E-02	9.58 E-05	2.99 E-02	9.58 E-05	1.27 E-04	4.05 E-05	9.45 E-06	2.44 E-06
580132	2.99 E-02	3.84 E-05	2.99 E-02	3.84 E-05	1.27 E-04	1.55 E-05	9.45 E-06	1.35 E-06
580133	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.51 E-06	1.29 E-06
580143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.46 E-06	1.29 E-06
580145	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.46 E-06	1.29 E-06
580146	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.46 E-06	1.29 E-06
580147	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.46 E-06	1.29 E-06
580148	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.46 E-06	1.29 E-06
580149	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580150	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580151	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580152	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
580157	9.36 E-05	2.42 E-07	9.36 E-05	2.42 E-07	4.64 E-07	9.71 E-08	3.74 E-08	8.88 E-09
580167	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
580177	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
580187	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
580197	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
580207	9.36 E-05	2.41 E-07	9.36 E-05	2.41 E-07	4.64 E-07	9.70 E-08	3.74 E-08	8.87 E-09
581118	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581119	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581120	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
581121	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581122	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581123	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581124	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581125	2.99 E-02	3.57 E-05	2.99 E-02	3.57 E-05	1.27 E-04	1.43 E-05	9.45 E-06	1.30 E-06
581126	2.99 E-02	5.50 E-05	2.99 E-02	5.50 E-05	1.27 E-04	2.28 E-05	9.45 E-06	1.67 E-06
581127	2.99 E-02	2.13 E-04	2.99 E-02	2.13 E-04	1.27 E-04	9.17 E-05	9.45 E-06	4.66 E-06
581128	2.99 E-02	5.46 E-04	2.99 E-02	5.46 E-04	1.27 E-04	2.37 E-04	9.45 E-06	1.10 E-05
581129	2.99 E-02	4.82 E-04	2.99 E-02	4.82 E-04	1.27 E-04	2.09 E-04	9.45 E-06	9.74 E-06
581130	2.99 E-02	1.65 E-04	2.99 E-02	1.65 E-04	1.27 E-04	7.09 E-05	9.45 E-06	3.76 E-06
581131	2.99 E-02	5.08 E-05	2.99 E-02	5.08 E-05	1.27 E-04	2.09 E-05	9.45 E-06	1.59 E-06
581132	2.99 E-02	3.56 E-05	2.99 E-02	3.56 E-05	1.27 E-04	1.43 E-05	9.45 E-06	1.30 E-06
581133	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.57 E-06	1.29 E-06
581142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.58 E-06	1.29 E-06
581143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.30 E-04	1.41 E-05	9.57 E-06	1.29 E-06
581144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.47 E-06	1.29 E-06
581145	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.47 E-06	1.29 E-06
581146	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.47 E-06	1.29 E-06
581147	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.47 E-06	1.29 E-06
581148	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.47 E-06	1.29 E-06
581149	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581150	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581151	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581152	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
581156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	582118	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
2	582119	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
3	582120	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
4	582121	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
5	582122	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
6	582123	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
7	582124	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
8	582125	2.99 E-02	3.77 E-05	2.99 E-02	3.77 E-05	1.27 E-04	1.52 E-05	9.45 E-06	1.34 E-06
9	582126	2.99 E-02	8.33 E-05	2.99 E-02	8.33 E-05	1.27 E-04	3.51 E-05	9.45 E-06	2.20 E-06
10	582127	2.99 E-02	3.04 E-04	2.99 E-02	3.04 E-04	1.27 E-04	1.31 E-04	9.45 E-06	6.37 E-06
11	582128	2.99 E-02	4.02 E-04	2.99 E-02	4.02 E-04	1.27 E-04	1.74 E-04	9.45 E-06	8.23 E-06
12	582129	2.99 E-02	1.79 E-04	2.99 E-02	1.79 E-04	1.27 E-04	7.68 E-05	9.45 E-06	4.01 E-06
13	582130	2.99 E-02	5.15 E-05	2.99 E-02	5.15 E-05	1.27 E-04	2.12 E-05	9.45 E-06	1.60 E-06
14	582131	2.99 E-02	3.60 E-05	2.99 E-02	3.60 E-05	1.27 E-04	1.45 E-05	9.45 E-06	1.31 E-06
15	582132	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
16	582133	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
17	582134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
18	582135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
19	582136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
20	582137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
21	582138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
22	582139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
23	582140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
24	582141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.58 E-06	1.29 E-06
25	582142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.58 E-06	1.29 E-06
26	582143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.59 E-06	1.29 E-06
27	582144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.59 E-06	1.29 E-06
28	582145	3.00 E-02	3.51 E-05	3.00 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.60 E-06	1.29 E-06
29	582146	3.00 E-02	3.51 E-05	3.00 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.60 E-06	1.29 E-06
30	582147	3.00 E-02	3.51 E-05	3.00 E-02	3.51 E-05	1.35 E-04	1.41 E-05	9.70 E-06	1.29 E-06
31	582148	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
32	582149	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
33	582150	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
34	582151	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
35	582152	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
36	582153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
582154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
582155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
582156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583117	7.83 E-23	4.70 E-24	1.83 E-23	4.70 E-24	8.67 E-25	2.05 E-24	4.85 E-26	8.87 E-26
583118	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583119	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583120	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583121	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583122	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583123	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583124	2.99 E-02	3.54 E-05	2.99 E-02	3.54 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.30 E-06
583125	2.99 E-02	4.16 E-05	2.99 E-02	4.16 E-05	1.27 E-04	1.69 E-05	9.45 E-06	1.42 E-06
583126	2.99 E-02	9.31 E-05	2.99 E-02	9.31 E-05	1.27 E-04	3.94 E-05	9.45 E-06	2.39 E-06
583127	2.99 E-02	1.44 E-04	2.99 E-02	1.44 E-04	1.27 E-04	6.15 E-05	9.45 E-06	3.35 E-06
583128	2.99 E-02	1.11 E-04	2.99 E-02	1.11 E-04	1.27 E-04	4.74 E-05	9.45 E-06	2.74 E-06
583129	2.99 E-02	5.23 E-05	2.99 E-02	5.23 E-05	1.27 E-04	2.16 E-05	9.45 E-06	1.62 E-06
583130	2.99 E-02	3.60 E-05	2.99 E-02	3.60 E-05	1.27 E-04	1.45 E-05	9.45 E-06	1.31 E-06
583131	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583132	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583133	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.57 E-06	1.29 E-06
583142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.58 E-06	1.29 E-06
583143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.59 E-06	1.29 E-06
583144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.59 E-06	1.29 E-06
583145	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583146	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583147	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583148	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583149	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
583150	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583151	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583152	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
583156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584117	2.23 E-10	5.64 E-14	2.23 E-10	5.64 E-14	1.65 E-10	3.35 E-14	5.01 E-12	1.43 E-15
584118	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584119	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584120	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584121	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584122	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584123	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584124	2.99 E-02	3.59 E-05	2.99 E-02	3.59 E-05	1.27 E-04	1.44 E-05	9.45 E-06	1.31 E-06
584125	2.99 E-02	4.20 E-05	2.99 E-02	4.20 E-05	1.27 E-04	1.71 E-05	9.45 E-06	1.42 E-06
584126	2.99 E-02	5.11 E-05	2.99 E-02	5.11 E-05	1.27 E-04	2.10 E-05	9.45 E-06	1.59 E-06
584127	2.99 E-02	4.59 E-05	2.99 E-02	4.59 E-05	1.27 E-04	1.88 E-05	9.45 E-06	1.50 E-06
584128	2.99 E-02	3.94 E-05	2.99 E-02	3.94 E-05	1.27 E-04	1.60 E-05	9.45 E-06	1.37 E-06
584129	2.99 E-02	3.56 E-05	2.99 E-02	3.56 E-05	1.27 E-04	1.43 E-05	9.45 E-06	1.30 E-06
584130	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584131	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584132	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584133	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.30 E-04	1.41 E-05	9.57 E-06	1.29 E-06
584142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.31 E-04	1.41 E-05	9.58 E-06	1.29 E-06
584143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584145	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
584146	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584147	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584148	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584149	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584150	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584151	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584152	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
584156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585116	4.86 E-10	1.23 E-13	4.86 E-10	1.23 E-13	3.58 E-10	7.30 E-14	1.09 E-11	3.10 E-15
585117	4.26 E-10	1.08 E-13	4.26 E-10	1.08 E-13	3.14 E-10	6.38 E-14	9.55 E-12	2.72 E-15
585118	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585119	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585120	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585121	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585122	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585123	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585124	2.99 E-02	3.54 E-05	2.99 E-02	3.54 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.30 E-06
585125	2.99 E-02	3.63 E-05	2.99 E-02	3.63 E-05	1.27 E-04	1.46 E-05	9.45 E-06	1.31 E-06
585126	2.99 E-02	3.63 E-05	2.99 E-02	3.63 E-05	1.27 E-04	1.46 E-05	9.45 E-06	1.31 E-06
585127	2.99 E-02	3.57 E-05	2.99 E-02	3.57 E-05	1.27 E-04	1.44 E-05	9.45 E-06	1.30 E-06
585128	2.99 E-02	3.52 E-05	2.99 E-02	3.52 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585129	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585130	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585131	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585132	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585133	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
585141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585145	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585146	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585147	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585148	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585149	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585150	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585151	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585152	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
585156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586115	1.22 E-22	0.00 E+00	2.85 E-23	0.00 E+00	1.35 E-24	0.00 E+00	7.53 E-26	0.00 E+00
586116	8.25 E-10	2.09 E-13	8.25 E-10	2.09 E-13	6.08 E-10	1.24 E-13	1.85 E-11	5.27 E-15
586117	7.71 E-10	1.95 E-13	7.71 E-10	1.95 E-13	5.68 E-10	1.16 E-13	1.73 E-11	4.92 E-15
586118	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586119	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586120	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586121	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586122	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586123	2.99 E-02	3.55 E-05	2.99 E-02	3.55 E-05	1.27 E-04	1.43 E-05	9.45 E-06	1.30 E-06
586124	2.99 E-02	3.52 E-05	2.99 E-02	3.52 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586125	2.99 E-02	3.53 E-05	2.99 E-02	3.53 E-05	1.27 E-04	1.42 E-05	9.45 E-06	1.30 E-06
586126	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586127	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586128	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586129	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586130	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586131	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586132	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586133	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586134	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
586135	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586136	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586137	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586138	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586139	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586140	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586141	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586142	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586143	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586144	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586145	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586146	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586147	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586148	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586149	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586150	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586151	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586152	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586153	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586154	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586155	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
586156	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
587114	3.20 E-23	0.00 E+00	7.50 E-24	0.00 E+00	3.55 E-25	0.00 E+00	1.98 E-26	0.00 E+00
587115	1.58 E-09	3.99 E-13	1.58 E-09	3.99 E-13	1.16 E-09	2.37 E-13	3.55 E-11	1.01 E-14
587116	1.42 E-09	3.59 E-13	1.42 E-09	3.59 E-13	1.05 E-09	2.13 E-13	3.19 E-11	9.07 E-15
587117	1.26 E-09	3.19 E-13	1.26 E-09	3.19 E-13	9.32 E-10	1.90 E-13	2.84 E-11	8.07 E-15
587118	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
587119	2.99 E-02	3.51 E-05	2.99 E-02	3.51 E-05	1.27 E-04	1.41 E-05	9.45 E-06	1.29 E-06
587120	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587121	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587122	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587123	3.04 E-02	3.52 E-05	3.04 E-02	3.52 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587124	3.04 E-02	3.61 E-05	3.04 E-02	3.61 E-05	1.29 E-04	1.45 E-05	9.58 E-06	1.31 E-06
587125	3.04 E-02	3.59 E-05	3.04 E-02	3.59 E-05	1.29 E-04	1.44 E-05	9.58 E-06	1.31 E-06
587126	3.04 E-02	3.53 E-05	3.04 E-02	3.53 E-05	1.29 E-04	1.42 E-05	9.58 E-06	1.29 E-06
587127	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
587128	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587129	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587130	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587131	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587132	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587133	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587134	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587135	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587136	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587137	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587138	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587139	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587140	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587141	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587142	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587143	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587144	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587145	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587146	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587147	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587148	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587149	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587150	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587151	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587152	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587153	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587154	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587155	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
587156	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588114	2.86 E-09	7.22 E-13	2.86 E-09	7.22 E-13	2.11 E-09	4.29 E-13	6.41 E-11	1.82 E-14
588115	2.60 E-09	6.57 E-13	2.60 E-09	6.57 E-13	1.92 E-09	3.90 E-13	5.83 E-11	1.66 E-14
588116	2.36 E-09	1.74 E-09	2.36 E-09	1.74 E-09	1.74 E-09	8.74 E-10	5.29 E-11	3.95 E-11
588117	2.11 E-09	1.98 E-09	2.11 E-09	1.98 E-09	1.56 E-09	9.95 E-10	4.74 E-11	4.50 E-11
588118	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588119	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588120	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
588121	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588122	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588123	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588124	3.04 E-02	3.52 E-05	3.04 E-02	3.52 E-05	1.29 E-04	1.42 E-05	9.58 E-06	1.29 E-06
588125	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588126	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588127	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588128	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588129	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588130	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588131	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588132	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588133	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588134	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588135	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588136	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588137	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588138	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588139	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588140	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588141	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588142	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588143	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588144	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588145	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588146	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588147	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588148	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588149	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588150	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588151	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588152	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588153	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588154	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588155	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
588156	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
589113	4.64 E-09	1.17 E-12	4.64 E-09	1.17 E-12	3.42 E-09	6.95 E-13	1.04 E-10	2.96 E-14
589114	4.29 E-09	1.08 E-12	4.29 E-09	1.08 E-12	3.16 E-09	6.43 E-13	9.62 E-11	2.74 E-14
589115	3.92 E-09	1.74 E-09	3.92 E-09	1.74 E-09	2.89 E-09	8.75 E-10	8.80 E-11	3.95 E-11
589116	3.57 E-09	2.08 E-09	3.57 E-09	2.08 E-09	2.63 E-09	1.04 E-09	8.01 E-11	4.72 E-11
589117	3.24 E-09	2.40 E-09	3.24 E-09	2.40 E-09	2.39 E-09	1.21 E-09	7.26 E-11	5.46 E-11
589118	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589119	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589120	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589121	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589122	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589123	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589124	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589125	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589126	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589127	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589128	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589129	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589130	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589131	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589132	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589133	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589134	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589135	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589136	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589137	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589138	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589139	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589140	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589141	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589142	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589143	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589144	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589145	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589146	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589147	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589148	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
589149	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589150	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589151	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589152	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589153	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589154	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589155	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
589156	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
590057	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
590067	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
590077	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
590087	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
590097	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
590100	0.00 E+00	3.67 E-14	0.00 E+00	3.57 E-14	0.00 E+00	1.04 E-14	0.00 E+00	4.98 E-15
590112	7.10 E-23	0.00 E+00	1.66 E-23	0.00 E+00	7.87 E-25	0.00 E+00	4.40 E-26	0.00 E+00
590113	7.05 E-09	1.78 E-12	7.05 E-09	1.78 E-12	5.20 E-09	1.06 E-12	1.58 E-10	4.50 E-14
590114	6.54 E-09	1.65 E-12	6.54 E-09	1.65 E-12	4.82 E-09	9.80 E-13	1.47 E-10	4.17 E-14
590115	6.03 E-09	2.01 E-09	6.03 E-09	2.01 E-09	4.45 E-09	1.01 E-09	1.35 E-10	4.55 E-11
590116	5.52 E-09	2.40 E-09	5.52 E-09	2.40 E-09	4.07 E-09	1.21 E-09	1.24 E-10	5.46 E-11
590117	5.03 E-09	2.78 E-09	5.03 E-09	2.78 E-09	3.71 E-09	1.40 E-09	1.13 E-10	6.31 E-11
590118	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
590119	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
590120	3.04 E-02	3.51 E-05	3.04 E-02	3.51 E-05	1.29 E-04	1.41 E-05	9.58 E-06	1.29 E-06
590121	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590122	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590123	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590124	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590125	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590126	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590127	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590128	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590129	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590130	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590131	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590132	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590133	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
590134	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590135	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590136	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590137	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590138	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590139	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590140	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590141	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590142	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590143	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590144	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590145	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590146	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
590147	9.48 E-05	2.53 E-07	9.48 E-05	2.53 E-07	4.69 E-07	1.01 E-07	3.77 E-08	9.28 E-09
590157	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
590167	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
590177	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
590187	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
590197	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
590207	9.36 E-05	2.53 E-07	9.36 E-05	2.53 E-07	4.64 E-07	1.01 E-07	3.74 E-08	9.28 E-09
591108	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591109	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591110	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591111	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591112	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591113	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591114	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591115	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591116	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591117	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591118	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591119	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591120	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591121	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591122	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591123	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
591124	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591125	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591126	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591127	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591128	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591129	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591130	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591131	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591132	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591133	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591134	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591135	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591136	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591137	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591138	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591139	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591140	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591141	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591142	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591143	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591144	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591145	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
591146	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592108	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592109	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592110	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592111	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592112	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592113	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592114	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592115	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592116	3.40 E-02	4.21 E-05	3.40 E-02	4.21 E-05	1.42 E-04	1.82 E-05	1.05 E-05	1.56 E-06
592117	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592118	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592119	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592120	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
592121	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592122	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592123	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592124	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592125	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592126	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592127	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592128	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592129	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592130	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592131	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592132	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592133	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592134	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592135	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592136	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592137	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592138	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592139	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592140	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592141	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592142	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592143	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592144	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592145	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
592146	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593108	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593109	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593110	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593111	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593112	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593113	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593114	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593115	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593116	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593117	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
593118	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593119	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593120	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593121	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593122	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593123	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593124	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593125	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593126	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593127	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593128	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593129	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593130	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593131	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593132	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593133	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593134	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593135	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593136	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593137	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593138	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593139	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593140	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593141	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593142	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593143	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593144	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593145	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
593146	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
594108	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
594109	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
594110	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
594111	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
594112	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
594113	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
594114	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	594115	2.47 E-01	3.60 E-05	2.47 E-01	3.60 E-05	2.08 E-02	1.42 E-05	4.18 E-03	1.31 E-06
2	594116	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
3	594117	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
4	594118	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
5	594119	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
6	594120	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
7	594121	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
8	594122	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
9	594123	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
10	594124	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
11	594125	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
12	594126	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
13	594127	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
14	594128	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
15	594129	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
16	594130	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
17	594131	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
18	594132	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
19	594133	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
20	594134	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
21	594135	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
22	594136	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
23	594137	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
24	594138	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
25	594139	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
26	594140	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
27	594141	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
28	594142	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
29	594143	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
30	594144	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
31	594145	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
32	594146	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
33	595108	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
34	595109	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
35	595110	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
36	595111	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
595112	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595113	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595114	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595115	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595116	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595117	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595118	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595119	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595120	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595121	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595122	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595123	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595124	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595125	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595126	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595127	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595128	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595129	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595130	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595131	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595132	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595133	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595134	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595135	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595136	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595137	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595138	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595139	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595140	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595141	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595142	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595143	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595144	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595145	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
595146	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
596108	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	596109	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
2	596110	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
3	596111	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
4	596112	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
5	596113	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
6	596114	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
7	596115	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
8	596116	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
9	596117	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
10	596118	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
11	596119	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
12	596120	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
13	596121	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
14	596122	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
15	596123	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
16	596124	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
17	596125	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
18	596126	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
19	596127	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
20	596128	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
21	596129	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
22	596130	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
23	596131	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
24	596132	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
25	596133	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
26	596134	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
27	596135	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
28	596136	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
29	596137	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
30	596138	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
31	596139	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
32	596140	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
33	596141	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
34	596142	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
35	596143	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
36	596144	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	596145	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
2	596146	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
3	597108	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
4	597109	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
5	597110	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
6	597111	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
7	597112	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
8	597113	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
9	597114	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
10	597115	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
11	597116	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
12	597117	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
13	597118	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
14	597119	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
15	597120	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
16	597121	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
17	597122	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
18	597123	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
19	597124	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
20	597125	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
21	597126	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
22	597127	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
23	597128	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
24	597129	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
25	597130	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
26	597131	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
27	597132	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
28	597133	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
29	597134	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
30	597135	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
31	597136	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
32	597137	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
33	597138	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
34	597139	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
35	597140	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
36	597141	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
597142	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
597143	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
597144	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
597145	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
597146	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598108	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598109	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598110	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598111	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598112	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598113	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598114	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598115	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598116	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598117	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598118	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598119	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598120	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598121	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598122	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598123	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598124	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598125	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598126	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598127	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598128	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598129	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598130	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598131	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598132	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598133	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598134	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598135	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598136	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598137	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598138	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
598139	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598140	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598141	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598142	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598143	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598144	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598145	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
598146	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599108	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599109	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599110	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599111	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599112	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599113	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599114	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599115	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599116	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599117	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599118	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599119	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599120	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599121	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599122	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599123	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599124	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599125	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599126	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599127	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599128	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599129	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599130	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599131	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599132	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599133	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599134	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599135	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
599136	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599137	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599138	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599139	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599140	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599141	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599142	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599143	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599144	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599145	3.40 E-02	3.51 E-05	3.40 E-02	3.51 E-05	1.42 E-04	1.41 E-05	1.05 E-05	1.29 E-06
599146	6.81 E-02	7.03 E-05	6.81 E-02	7.03 E-05	2.83 E-04	2.81 E-05	2.10 E-05	2.59 E-06
600057	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
600067	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
600077	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
600087	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
600090	0.00 E+00	9.05 E-15	0.00 E+00	8.80 E-15	0.00 E+00	2.57 E-15	0.00 E+00	1.23 E-15
600097	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
600100	0.00 E+00	9.05 E-15	0.00 E+00	8.80 E-15	0.00 E+00	2.57 E-15	0.00 E+00	1.23 E-15
600107	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
600117	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
600127	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
600137	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
600147	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
600157	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
600167	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
600177	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
600187	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
600197	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
600207	9.77 E-05	2.53 E-07	9.77 E-05	2.53 E-07	4.79 E-07	1.01 E-07	3.84 E-08	9.28 E-09
610057	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
610067	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
610077	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
610087	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
610097	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
610107	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
610117	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

1	Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
		Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
1	610127	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
2	610137	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
3	610147	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
4	610157	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
5	610167	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
6	610177	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
7	610187	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
8	610197	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
9	610207	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
10	620057	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
11	620067	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
12	620077	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
13	620087	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
14	620097	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
15	620107	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
16	620117	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
17	620127	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
18	620137	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
19	620147	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
20	620157	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
21	620167	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
22	620177	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
23	620187	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
24	620197	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
25	620207	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
26	630057	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
27	630067	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
28	630077	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
29	630087	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
30	630097	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
31	630107	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
32	630117	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
33	630127	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
34	630137	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
35	630147	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
36	630157	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09

Table B5-7. Statistical Increase in Individual Risk at T_{10000} (Year 11989). (45 sheets)*

Cell	Agricultural Scenario		Residential Scenario		Industrial Scenario		Recreational Scenario	
	Hazard	Risk	Hazard	Risk	Hazard	Risk	Hazard	Risk
630167	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
630177	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
630187	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
630197	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
630207	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640057	3.41 E-04	5.06 E-07	3.41 E-04	5.06 E-07	1.49 E-06	2.03 E-07	1.14 E-07	1.85 E-08
640067	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640077	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640087	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640097	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640107	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640117	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640127	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640137	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640147	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640157	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640167	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640177	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640187	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640197	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09
640207	1.71 E-04	2.53 E-07	1.71 E-04	2.53 E-07	7.47 E-07	1.01 E-07	5.68 E-08	9.28 E-09

*Includes cancer risk and noncarcinogenic chemical risk.

Table B5-8. Maximum Soil Contaminant Concentrations for Each of the Three Geographic Areas. (2 sheets)

Constituent	Reactors on the River	All Other Areas	Central Plateau
Radionuclide	Concentration (Ci/cm^3)	Concentration (Ci/cm^3)	Concentration (Ci/cm^3)
Am-241	0.00	0.00	7.61 E-06
C-14	2.77 E-07	0.00	0.00
Ce-144	2.87 E-11	0.00	0.00
Co-60	1.22 E-05	1.16 E-09	3.52 E-08
Cs-134	3.31 E-10	0.00	0.00
Cs-137	5.78 E-08	1.06 E-07	8.51 E-05
Eu-152	8.91 E-09	0.00	0.00
Eu-154	2.33 E-09	0.00	4.24 E-16
Eu-155	1.98 E-09	0.00	0.00
Fe-59	6.69 E-21	0.00	0.00
H-3	2.81 E-05	0.00	1.03 E-06
I-129	0.00	0.00	1.01 E-11
Mn-54	6.40 E-11	0.00	0.00
Nb-95	2.39 E-25	0.00	0.00
Ni-63	3.89 E-07	0.00	0.00
Pm-147	0.00	0.00	2.40 E-09
Pu-238	1.76 E-10	0.00	1.78 E-06
Pu-239	5.08 E-10	3.99 E-10	1.39 E-04
Pu-240	5.65 E-11	2.21 E-12	1.54 E-05
Pu-241	0.00	0.00	2.19 E-04
Pu-242	0.00	0.00	1.32 E-09
Ru-103	1.13 E-23	0.00	0.00
Ru-106	1.75 E-10	0.00	3.81 E-09
Sb-125	4.91 E-11	0.00	0.00
Sn-113	0.00	0.00	1.39 E-12
Sr-90	4.51 E-08	1.06 E-07	4.17 E-05
Tc-99	9.82 E-09	0.00	0.00
Th-232	0.00	1.20 E-14	1.03 E-09
U-235	9.79 E-12	1.74 E-10	2.00 E-09
U-238	1.95 E-10	3.73 E-09	1.96 E-07
Zr-95	6.43 E-18	0.00	0.00
Chemical	(kg/cm^3)	(kg/cm^3)	(kg/cm^3)
AGI	0.00	2.81 E-08	0.00
AlFNO3	0.00	0.00	4.12 E-05
AlNO3	0.00	0.00	3.73 E-05
Be	0.00	9.36 E-10	0.00
BP	0.00	0.00	1.97 E-05
CaNO3	0.00	0.00	2.55 E-05
CCL_4	0.00	0.00	4.56 E-05
CdII	0.00	1.87 E-09	0.00

Table B5-8. Maximum Soil Contaminant Concentrations for Each of the Three Geographic Areas. (2 sheets)

Constituent	Reactors on the River	All Other Areas	Central Plateau
Chemical	(kg/cm^3)	(kg/cm^3)	(kg/cm^3)
CrVI	0.00	9.36 E-08	0.00
Cu2SO4	7.47 E-09	0.00	0.00
CuII	0.00	1.87 E-06	0.00
DBBP	0.00	0.00	2.63 E-06
F	0.00	1.87 E-07	1.38 E-02
FeCN	0.00	0.00	2.63 E-05
FeNO3	0.00	0.00	7.84 E-06
H2SO4	1.49 E-07	0.00	3.11 E-04
Hg	1.43 E-05	9.36 E-10	0.00
HNO_3	0.00	0.00	2.27 E-04
K	0.00	0.00	2.07 E-02
KBO2	9.42 E-05	0.00	0.00
MgNO3	0.00	0.00	3.53 E-05
MIBK	0.00	3.72 E-05	1.30 E-05
Na	0.00	0.00	8.62 E-02
NaAl	0.00	0.00	2.08 E-03
NaCr2	8.56 E-05	0.00	1.30 E-05
NaOH	3.20 E-04	0.00	1.35 E-03
NaOXAL	8.56 E-05	0.00	3.10 E-03
NaSI	0.00	0.00	8.33 E-04
NaSULFAM	2.32 E-04	0.00	0.00
NH4CO3	0.00	0.00	4.85 E-05
NH4NO3	0.00	0.00	1.38 E-03
NiII	0.00	2.81 E-07	0.00
NO2	0.00	0.00	1.67 E-03
NO3	0.00	1.24 E-05	1.00 E-01
NPH	0.00	0.00	1.29 E-03
Oxalate	0.00	0.00	1.40 E-04
PbII	0.00	5.62 E-08	0.00
PO4	0.00	0.00	7.24 E-03
SO4	0.00	0.00	8.28 E-04
Sulfacid	5.31 E-07	0.00	0.00
TBP	0.00	0.00	7.14 E-04
TBPPH	0.00	0.00	1.63 E-04
Trichlor	0.00	0.00	0.00
U	0.00	2.48 E-05	0.00
ZnII	0.00	9.36 E-08	0.00

Table B5-9. Groundwater Contaminant Concentrations and Maximum Radionuclide Inventory for Pump-and-Treat Accident.

Constituent	Max Groundwater Concentration (pCi/L)	Inventory (Ci)
Co-60	100	1.0 E-05
Cs-137	120	1.2 E-05
I-129	20	2.0 E-06
Pu	30	3.0 E-06
Sr-90	2,500	2.5 E-04
Tc-99	20,000	2.0 E-03
Tritium	2,500,000	2.5 E-01
U	2,000	2.0 E-04

Table B5-10. Radionuclide Inventory in One Square Mile in Standing Dry Vegetation.

Radionuclide	Concentration in Vegetation (pCi/g dry weight)	Activity in plants in 1 mi^2 (Ci)
Sr-90	.41	2.28 E-06
Cs-137	.32	1.78 E-06
U-NATURAL	.036	2.00 E-07
U-ISOTOPIC	.0062	3.44 E-08
Pu-239/240	.041	2.28 E-07

NOTE: Conversion factor for converting pCi/g to Ci/mi^2 is 5.56 E-06.

Table B5-11. Results from Pump-and-Treat Accident.

Location	100-B/C	100-D	100-F	100-H	100-K
Major contributing radionuclides	U-238	U-238	U-238	U-238	U-238
100 m dose (mrem) and wind direction	6.0 E+02 (E) *2.4 E-04*[a]	6.2 E+02 (E) *2.5 E-04*[a]	6.2 E+02 (E) *2.5 E-04*[a]	6.2 E+02 (E) *2.5 E-04*[a]	6.2 E+02 (E) *2.5 E-04*[a]
NPAL dose (mrem)	1.3 E+02 *6.5 E-05*[a]	8.8 E+01 *4.4 E-05*[a]	2.1 E+02 *1.1 E-04*[a]	5.1 E+02 *2.6 E-04*[a]	7.1 E+01 *3.6 E-05*[a]
NPAL distance (m) and wind direction	140 (N)	270 (W)	150 (ENE)	110 (E)	210 (NW)
Site boundary dose (mrem)	6.1 E-01 *3.1 E-07*[a]	5.5 E-01 *2.8 E-07*[a]	8.0 E-01 *4.0 E-07*[a]	6.1 E-01 *3.1 E-07*[a]	4.3 E-01 *2.2 E-07*[a]
Site boundary distance (m) and wind direction	8910 (W)	9700 (W)	8510 (E)	10520 (E)	11730 (W)
Population dose (person-rem)	5.1 E-01 *2.6 E-04*[b]	5.1 E-01 *2.6 E-04*[b]	5.1 E-01 *2.6 E-04*[b]	5.1 E-01 *2.6 E-04*[b]	5.1 E-01 *2.6 E-04*[b]
Highest population downwind sector and wind direction	97689 (W)	97689 (W)	97689 (W)	97689 (W)	97689 (W)
Location	**100-N**	**200 West**	**200 East**	**300**	**400**
Major contributing radionuclides	U-238	U-238	U-238	U-328	U-238
100 m dose (mrem) and wind direction	6.0 E+02 (E) *2.4 E-04*[a]	2.8 E+02 (E) *1.1 E-04*[a]	2.8 E+02 (E) *1.1 E-04*[a]	3.5 E+02 (N) *1.4 E-04*[a]	2.6 E+02 (N) *1.0 E-04*[a]
NPAL dose (mrem)	4.9 E+02 *2.5 E-04*[a]	6.0 E-01 *3.0 E-07*[a]	1.9 E-01 *9.5 E-08*[a]	1.9 E+02 *9.5 E-05*[a]	1.8 E+00 *9.0 E-07*[a]
NPAL distance (m) and wind direction	100 (W)	3920 (W)	10840 (E)	120 (E)	1720 (NNE)
Site boundary dose (mrem)	4.5 E-01 *2.3 E-07*[a]	2.0 E-01 *1.0 E-07*[a]	1.9 E-01 *9.5 E-08*[a]	7.4 E+00 *3.7 E-06*[a]	3.7 E-01 *1.9 E-07*[a]
Site boundary distance (m) and wind direction	11390 (W)	11720 (W)	10840 (E)	840 (E)	8020 (S)
Population dose (person-rem)	5.1 E-01 *2.6 E-04*[b]	4.9 E-01 *2.5 E-04*[b]	4.9 E-01 *2.5 E-04*[b]	9.4 E-01 *4.7 E-04*[b]	6.4 E-01 *3.2 E-04*[b]
Highest population downwind sector and wind direction	97689 (W)	114734 (SE)	114734 (SE)	57116 (S)	78757 (SSE)

[a]Increased probability of this individual contracting a fatal cancer.
[b]Increase in latent cancer fatalitites in this population.
NPAL = Nearest Public Access Location.

Table B5-12. Results from Excavation Accident.

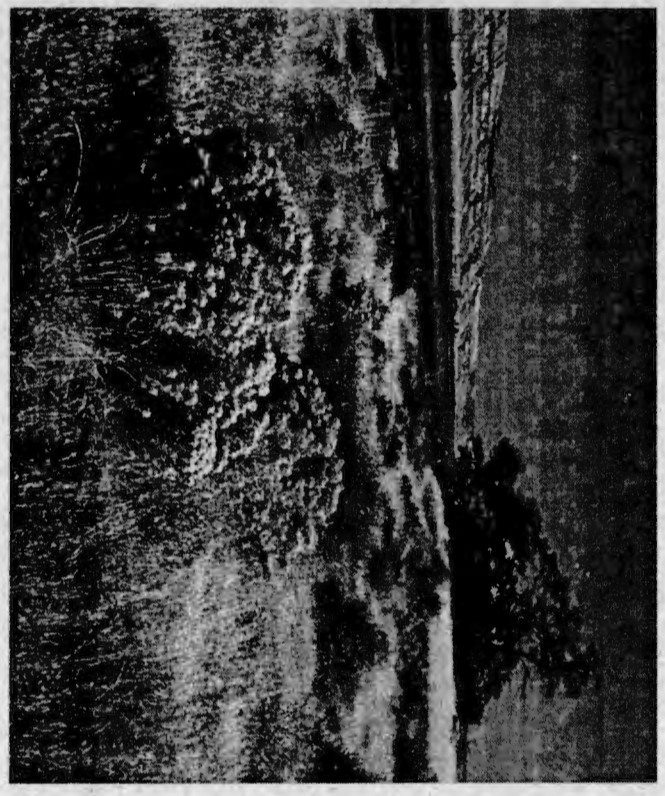
Location	100-B/C	100-D	100-F	100-H	100-K
Major contributing radionuclide	Co-60	Co-60	Co-60	Co-60	Co-60
100 m dose (mrem) and wind direction	4.6 E+00 (E) *1.8 E-06*[a]	4.6 E+00 (E) *1.8 E-06*[a]	4.6 E+00 (E) *1.8 E-06*[a]	4.6 E+00 (E) *1.8 E-06*[a]	4.6 E-00 (E) *1.8 E-06*[a]
NPAL dose (mrem)	1.0 E+00 *5.0 E-07*[a]	6.7 E-01 *3.4 E-07*[a]	1.6 E+00 *8.0 E-07*[a]	3.9 E+00 *2.0 E-06*[a]	5.4 E-01 *2.7 E-07*[a]
NPAL distance (m) and wind direction	140 (N)	270 (W)	150 (ENE)	110 (E)	210 (NW)
Site boundary dose (mrem)	7.8 E-02 *3.9 E-08*[a]	7.0 E-02 *3.5 E-08*[a]	1.0 E-01 *5.0 E-08*[a]	7.9 E-02 *4.0 E-08*[a]	5.5 E-02 *2.8 E-08*[a]
Site boundary distance (m) and wind direction	8910 (W)	9700 (W)	8510 (E)	10520 (E)	11730 (W)
Population dose (person-rem)	5.5 E-02 *2.8 E-05*[b]	5.5 E-02 *2.8 E-05*[b]	5.5 E-02 *2.8 E-05*[b]	5.5 E-02 *2.8 E-05*[b]	5.5 E-02 *2.8 E-05*[b]
Highest population downwind sector and wind direction	97689 (W)	97689 (W)	97689 (W)	97689 (W)	97689 (W)
Location	**100-N**	**200 West**	**200 East**	**300**	**400**
Major contributing radionuclide	Co-60	Pu-239	Pu-239	U-238	U-238
100 m dose (mrem) and wind direction	4.6 E+00 (E) *1.8 E-06*[a]	5.4 E+04 (E) *2.2 E-02*[a]	5.4 E+04 (E) *2.2 E-02*[a]	6.1 E-01 (N) *2.4 E-07*[a]	4.6 E-01 (N) *1.8 E-07*[a]
NPAL dose (mrem)	3.7 E+00 *1.9 E-06*[a]	1.2 E+02 *6.0 E-05*[a]	3.7 E+01 *1.9 E-05*[a]	3.3 E-01 *1.7 E-07*[a]	3.2 E-03 *1.6 E-09*[a]
NPAL distance (m) and wind direction	100 (W)	3920 (W)	10840 (E)	120 (E)	1720 (NNE)
Site boundary dose (mrem)	5.7 E-02 *2.9 E-08*[a]	4.8 E+01 *2.4 E-05*[a]	4.4 E+01 *2.2 E-05*[a]	5.9 E-02 *3.0 E-08*[a]	3.0 E-03 *1.5 E-09*[a]
Site boundary distance (m) and wind direction	11390 (W)	11720 (W)	10840 (E)	840 (E)	8020 (S)
Population dose (person-rem)	5.5 E-02 *2.8 E-05*[b]	5.3 E-02 *2.7 E-05*[b]	1.1 E-02 *5.5 E-06*[b]	6.2 E-03 *3.1 E-06*[b]	4.2 E-03 *2.1 E-06*[b]
Highest population downwind sector and wind direction	97689 (W)	114734 (SE)	114734 (SE)	57116 (S)	78757 (SSE)

[a]Increased probability of this individual contracting a fatal cancer.
[b]Increase in latent cancer fatalities in this population.
NPAL = Nearest Public Access Location.

Table B5-13. Results from Range Fire.

Location	100-B/C	100-D	100-F	100-H	100-K
100 m dose (mrem) and wind direction	3.0 E+00 (E) *1.2 E-06*[a]	3.0 E+00 (E) *1.2 E-06*[a]	3.0 E+00 (E) *1.2 E-06*[a]	3.0 E+00 (E) *1.2 E-06*[a]	3.0 E+00 (E) *1.2 E-06*[a]
NPAL dose (mrem)	6.8 E-01 *3.4 E-07*[a]	4.4 E-01 *2.2 E-07*[a]	1.1 E+00 *5.5 E-07*[a]	2.6 E+00 *1.3 E-06*[a]	3.6 E-01 *1.8 E-07*[a]
NPAL distance (m) and wind direction	140 (N)	270 (W)	150 (ENE)	110 (E)	210 (NW)
Site Boundary dose (mrem)	4.6 E-03 *2.3 E-09*[a]	4.1 E-03 *2.1 E-09*[a]	6.0 E-03 *3.0 E-09*[a]	4.6 E-03 *2.3 E-09*[a]	3.2 E-03 *1.6 E-09*[a]
Site Boundary Distance (m) and wind direction	8910 (W)	9700 (W)	8510 (E)	10520 (E)	11730 (W)
Population Dose (person-rem)	3.4 E-03 *1.7 E-06*[b]	3.4 E-03 *1.7 E-06*[b]	3.4 E-03 *1.7 E-06*[b]	3.4 E-03 *1.7 E-06*[b]	3.4 E-03 *1.7 E-06*[b]
Highest population downwind sector and wind direction	97689 (W)	97689 (W)	97689 (W)	97689 (W)	97689 (W)
Location	**100-N**	**200 West**	**200 East**	**300**	**400**
100 m dose (mrem) and wind direction	3.0 E+00 (E) *1.2 E-06*[a]	1.4 E+00 (E) *5.6 E-07*[a]	1.4 E+00 (E) *5.6 E-07*[a]	1.7 E+00 (N) *6.8 E-07*[a]	1.3 E+00 (N) *5.2 E-07*[a]
NPAL dose (mrem)	2.4 E+00 *1.2 E-06*[a]	3.0 E-03 *1.5 E-09*[a]	9.7 E-04 *4.9 E-10*[a]	9.5 E-01 *4.8 E-07*[a]	9.3 E-03 *4.7 E-09*[a]
NPAL distance (m) and wind direction	100 (W)	3920 (W)	10840 (E)	120 (E)	1720 (NNE)
Site Boundary dose (mrem)	3.3 E-03 *1.7 E-09*[a]	1.5 E-03 *7.5 E-10*[a]	1.4 E-03 *7.0 E-10*[a]	5.5 E-02 *2.8 E-08*[a]	2.8 E-03 *1.4 E-09*[a]
Site Boundary Distance (m) and wind direction	11390 (W)	11720 (W)	10840 (E)	840 (E)	8020 (S)
Population Dose (person-rem)	3.4 E-03 *1.7 E-06*[b]	3.3 E-03 *1.7 E-06*[b]	3.3 E-03 *1.7 E-06*[b]	6.3 E-03 *3.2 E-06*[b]	4.3 E-03 *2.2 E-06*[b]
Highest population downwind sector and wind direction	97689 (W)	114734 (SE)	114734 (SE)	57116 (S)	78757 (SSE)

[a]Increased probability of this individual contracting a fatal cancer.
[b]Increase in latent cancer fatalities in this population.
NPAL = Nearest Public Access Location.



Appendix B6

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B6.0 Human Health Risk Assessment

Performance of the human health risk assessment involved extensive use of computer models that required large amounts of input data and generated expansive numerical results. The tables for time zero (T_0) have been places in this appendix.

The blank unit risk factors (URF) column in these tables represent the four media (groundwater, soil, surface water, and air) unit risk factors generated in Appendix B4. The media concentrations in each cell in these tables are multiplied by the corresponding media URFs to estimate the cancer risk values shown in the last column.

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Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
560141	14797558	NO3	2.00E-05					
560142	14797558	NO3	4.50E-05					
561141	14797558	NO3	2.00E-05					
562141	14797558	NO3	2.00E-05					
564134	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
564135	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
564136	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
565133	7440382	As	6.00E-09			1.75E-04		1.75E-04
565133	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
565133	14797558	NO3		2.84E-06				
565134	56235	CCl4	1.00E-07			4.63E-04		4.63E-04
565134	7440382	As	2.00E-08			5.82E-04		5.82E-04
565135	56235	CCl4	5.00E-07			2.31E-03		2.31E-03
565135	67663	Chlor	1.00E-08			3.84E-05		3.84E-05
565135	7440382	As	2.00E-08			5.82E-04		5.82E-04
565135	14797558	NO3	4.50E-05					
565136	56235	CCl4	1.00E-07			4.63E-04		4.63E-04
565136	7440382	As	2.00E-08			5.82E-04		5.82E-04
565136	14797558	NO3	4.50E-05					
565137	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
565137	7440473	CRVI	5.00E-08			4.22E-02		4.13E-02
565137	14797558	NO3	4.50E-05					
565144	62760	NaOxal		3.07E-04				
565144	5329146	NaSulfam		1.01E-03				
565144	10588019	NaCr2		2.19E-04			1.74E-02	1.73E-02
565145	10588019	NaCr2		1.20E-06			9.55E-05	9.55E-05
566133	7440382	As	6.00E-09			1.75E-04		1.75E-04
566133	7440473	CRVI	3.00E-07			2.53E-01		2.24E-01
566133	14797558	NO3		4.32E-06				
566134	56235	CCl4	1.00E-07			4.63E-04		4.63E-04
566134	67663	Chlor	1.00E-08			3.84E-05		3.84E-05
566134	1302427	NaAl		4.73E-05				
566134	8484522	NH4NO3		4.13E-04				
566134	7440382	As	2.00E-08			5.82E-04		5.82E-04
566134	7440473	CRVI	3.00E-07			2.53E-01		2.24E-01
566134	7647145	Na		2.03E-03				
566134	7697372	HNO3		3.34E-02				
566134	10588019	NaCr2		3.16E-05			2.52E-03	2.52E-03
566134	13473900	AlNO3		2.01E-02				
566134	14797558	NO3	1.00E-04	9.89E-03				
566135	56235	CCl4	4.00E-06	2.59E-02		1.85E-02	2.85E-05	1.84E-02

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Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
566135	67663	Chlor	3.00E-08			1.15E-04		1.15E-04
566135	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
566135	126738	TBP		2.19E-03			8.02E-07	8.02E-07
566135	1809194	DBBP		1.49E-03				
566135	6484522	NH4NO3		2.27E-03				
566135	7440382	As	2.00E-08			5.82E-04		5.82E-04
566135	7440473	CRVI	5.00E-08			4.22E-02		4.13E-02
566135	7601549	PO4		7.56E-03				
566135	7847145	Na		3.09E-02				
566135	7897372	HNO3		4.00E-03				
566135	7782414	F	4.00E-06	1.83E-02				
566135	10124375	CaNO3		1.37E-02				
566135	10377603	MgNO3		1.84E-02				
566135	12808798	SO4		1.08E-03				
566135	13473900	AlNO3		1.89E-02				
566135	13520688	FeNO3		4.05E-03				
566135	14797558	NO3	2.50E-04	5.19E-02				
566136	56235	CCl4	2.00E-06			9.26E-03		9.26E-03
566136	62760	NaOxal		9.15E-03				
566136	67663	Chlor	3.00E-08			1.15E-04		1.15E-04
566136	79016	TriChlor	2.50E-08			2.08E-05		2.08E-05
566136	1302427	NaAl		8.47E-02				
566136	6484522	NH4NO3		2.00E-02				
566136	7440382	As	2.00E-08			5.82E-04		5.82E-04
566136	7440473	CRVI	2.00E-07			1.69E-01		1.55E-01
566136	7447407	K		3.16E-02				
566136	7601549	PO4		1.09E-01				
566136	7647145	Na		4.07E-01				
566136	7782414	F	4.00E-06	3.47E-02				
566136	12808798	SO4		1.90E-02				
566136	13943583	FeCN		7.39E-03				
566136	14797558	NO3	2.50E-04	4.70E-01				
566136	Nitrite	NO2		9.20E-05				
566137	56235	CCl4	1.00E-06			4.63E-03		4.63E-03
566137	67663	Chlor	1.00E-08			3.84E-05		3.84E-05
566137	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
566137	7440473	CRVI	5.00E-08			4.22E-02		4.13E-02
566137	14797558	NO3	5.00E-04					
567133	79016	TriChlor	2.50E-08			2.08E-05		2.08E-05
567133	7440382	As	6.00E-09			1.75E-04		1.75E-04
567133	7440473	CRVI	3.00E-07			2.53E-01		2.24E-01

Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
567133	7647145	Na		1.00E-02				
567133	14797558	NO3	4.50E-05	9.20E-03				
567134	56235	CCl4	1.00E-07			4.63E-04		4.63E-04
567134	79016	TriChlor	1.00E-08			8.32E-06		8.32E-06
567134	108101	MIBK		7.39E-03				
567134	6484522	NH4NO3		5.16E-03				
567134	7440382	As	1.00E-08			2.91E-04		2.91E-04
567134	7440473	CRVI	2.00E-07			1.69E-01		1.55E-01
567134	7647145	Na		2.43E-03				
567134	7897372	HNO3		3.84E-02				
567134	7782414	F	4.00E-06					
567134	10588019	NaCr2		7.39E-03			5.88E-01	4.45E-01
567134	13473900	AlNO3		2.07E-02				
567134	14797558	NO3	5.00E-04	3.65E-02				
567135	56235	CCl4	2.00E-06			9.26E-03		9.26E-03
567135	67663	Chlor	3.00E-08			1.15E-04		1.15E-04
567135	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
567135	126738	TBP		1.37E-01			5.01E-05	5.01E-05
567135	7601549	PO4		1.77E-01				
567135	7647145	Na		1.27E+00				
567135	12808798	SO4		2.59E-01				
567135	14797558	NO3	5.00E-04	2.32E+00				
567136	56235	CCl4	1.00E-06			4.63E-03		4.63E-03
567136	62780	NaOxal		2.91E-02				
567136	67663	Chlor	2.00E-08			7.68E-05		7.68E-05
567136	79016	TriChlor	5.00E-09			4.18E-06		4.16E-06
567136	6484522	NH4NO3		1.28E-02				
567136	7447407	K		1.18E+01				
567136	7601549	PO4		6.59E-02				
567136	7647145	Na		7.95E-01				
567136	7664939	H2SO4		2.59E-03				
567136	7697372	HNO3		2.59E-03				
567136	7782414	F		1.24E-01				
567136	10588019	NaCr2		2.59E-05			2.06E-03	2.06E-03
567136	12808798	SO4		7.56E-03				
567136	14797558	NO3	5.00E-04	9.32E-01				
567137	56235	CCl4	1.00E-06			4.63E-03		4.63E-03
567137	67663	Chlor	1.00E-08			3.84E-05		3.84E-05
567137	7440473	CRVI	5.00E-08			4.22E-02		4.13E-02
567137	7782414	F	2.00E-06					
567137	14797558	NO3	5.00E-04	4.37E-04				

2642.6543196

Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
567138	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
567138	14797558	NO3	1.00E-04					
568134	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
568134	14797558	NO3	2.50E-04					
568135	56235	CCl4	1.00E-07			4.63E-04		4.63E-04
568135	14797558	NO3	5.00E-04					
568136	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
568136	14797558	NO3	5.00E-04					
568137	56235	CCl4	5.00E-08			2.32E-04		2.32E-04
568137	14797558	NO3	2.50E-04					
568138	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
568138	14797558	NO3	4.50E-05					
568146	14797558	NO3	1.00E-04					
568147	14797558	NO3	4.50E-05					
569134	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
569134	14797558	NO3	1.00E-04					
569135	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
569135	14797558	NO3	1.00E-04					
569136	14797558	NO3	1.00E-04					
569137	14797558	NO3	4.50E-05					
569143	14797558	NO3	2.00E-05					
569144	14797558	NO3	2.00E-05					
569146	7439976	Hg		6.28E-03				
569146	14797558	NO3	2.00E-05					
569147	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
569147	7664939	H2SO4		7.49E-05				
569147	7664939	SulfAcid		7.49E-05				
569147	7758987	Cu2SO4		3.75E-06				
569147	10588019	NaCr2		1.43E-03			1.14E-01	1.08E-01
569147	14797558	NO3	2.00E-05					
569148	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
570134	14797558	NO3	1.00E-04					
570135	14797558	NO3	1.00E-04					
570136	14797558	NO3	4.50E-05					
570137	14797558	NO3	4.50E-05					
570141	14797558	NO3	2.00E-05					
570142	14797558	NO3	2.00E-05					
570143	14797558	NO3	2.00E-05					
570144	14797558	NO3	2.00E-05					
570146	7440473	CRVI	5.00E-08			4.22E-02		4.13E-02
570147	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02

Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
570147	14797558	NO3	2.00E-05					
570148	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
570149	14797558	NO3	4.50E-05					
571135	14797558	NO3	4.50E-05					
571136	14797558	NO3	4.50E-05					
571137	14797558	NO3	4.50E-05					
571139	14797558	NO3	4.50E-05					
571140	14797558	NO3	4.50E-05					
571141	14797558	NO3	2.00E-05					
571142	14797558	NO3	2.00E-05					
571143	14797558	NO3	2.00E-05					
571144	14797558	NO3	2.00E-05					
571149	14797558	NO3	4.50E-05					
572136	14797558	NO3	4.50E-05					
572137	7440382	As	6.00E-09			1.75E-04		1.75E-04
572137	14797558	NO3	4.50E-05					
572138	7440382	As	6.00E-09			1.75E-04		1.75E-04
572138	14797558	NO3	4.50E-05					
572139	14797558	NO3	4.50E-05					
572140	14797558	NO3	1.00E-04					
572142	14797558	NO3	2.00E-05					
572143	14797558	NO3	2.00E-05					
572144	14797558	NO3	2.00E-05					
572149	14797558	NO3	2.00E-05					
572150	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
572150	14797558	NO3	2.00E-05					
572151	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
572151	14797558	NO3	4.50E-05					
572152	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
573134	62760	NaOxal		2.99E-03				
573134	7601549	PO4		1.11E-01				
573134	7647145	Na		9.15E-01				
573134	12808798	SO4		1.47E-01				
573134	13943583	FeCN		5.66E-03				
573134	14797558	NO3		1.94E+00				
573135	67663	Chlor	1.00E-08			3.84E-05		3.84E-05
573135	7440382	As	1.00E-08			2.91E-04		2.91E-04
573136	144627	Oxalate		4.26E-02				
573136	6484522	NH4NO3		2.28E-01				
573136	7440382	As	6.00E-09			1.75E-04		1.75E-04
573136	7447407	K		2.84E-01				

96135459.2193

Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
573136	7601549	PO4		1.03E-01				
573136	7647145	Na		1.24E+00				
573136	7697372	HNO3		6.31E-03				
573136	7782414	F		1.78E-01				
573136	10588019	NaCr2		1.26E-03			1.00E-01	9.54E-02
573136	12808798	SO4		1.19E-02				
573136	13473900	AlNO3		1.78E-02				
573136	14797558	NO3	1.00E-04	1.27E-01				
573137	144627	Oxalate		7.61E-03				
573137	506876	NH4CO3		1.05E-02				
573137	1302427	NaAl		2.42E-01				
573137	6484522	NH4NO3		2.02E-02				
573137	7440382	As	1.00E-08			2.91E-04		2.91E-04
573137	7447407	K		5.07E-02				
573137	7601549	PO4		9.94E-02				
573137	7647145	Na		4.34E-01				
573137	7664939	H2SO4		1.77E-01				
573137	7782414	F		3.34E-02				
573137	12808798	SO4		4.48E-02				
573137	13943583	FeCN		3.66E-03				
573137	14797558	NO3	4.50E-05	7.05E-01				
573137	Nitrite	NO2		1.91E-04				
573138	57125	Cyanide	5.00E-07					
573138	7440382	As	6.00E-09			1.75E-04		1.75E-04
573138	14797558	NO3	2.50E-04					
573139	7440382	As	6.00E-09			1.75E-04		1.75E-04
573139	14797558	NO3	1.00E-04					
573149	14797558	NO3	2.00E-05					
573150	14797558	NO3	4.50E-05					
573151	62760	NaOxal		1.12E-03				
573151	5329146	NaSulfam		1.12E-03				
573151	7440473	CRVI	1.00E-06			8.44E-01		5.70E-01
573151	7632044	KBO2		4.73E-02				
573151	10588019	NaCr2		2.54E-04			2.02E-02	2.00E-02
573151	14797558	NO3	4.50E-05					
573152	7440473	CRVI	1.00E-06			8.44E-01		5.70E-01
573152	10588019	NaCr2		5.08E-06			4.04E-04	4.04E-04
573152	14797558	NO3	1.00E-04					
574134	7440382	As	6.00E-09			1.75E-04		1.75E-04
574134	14797558	NO3	2.00E-05					
574135	7440382	As	6.00E-09			1.75E-04		1.75E-04

Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
574135	14797558	NO3	1.00E-04					
574136	78466	TBPPH		9.26E-02				
574136	7440382	As	1.00E-08			2.91E-04		2.91E-04
574136	7647145	Na		1.98E-02				
574136	7697372	HNO3		5.66E-02				
574136	14797558	NO3	4.50E-05	1.43E-02				
574137	7440382	As	1.00E-08			2.91E-04		2.91E-04
574138	57125	Cyanide	2.00E-07					
574138	14797558	NO3	1.00E-04					
574139	14797558	NO3	5.10E-08					
574140	14797558	NO3	4.60E-08					
574149	14797558	NO3	2.00E-05					
574150	14797558	NO3	2.00E-05					
574151	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
574151	14797558	NO3	4.50E-05					
574152	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
574152	10588019	NaCr2		9.80E-06			7.80E-04	7.80E-04
574152	14797558	NO3	1.00E-04					
574153	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
574153	14797558	NO3	2.00E-05					
575134	7440382	As	6.00E-09			1.75E-04		1.75E-04
575134	14797558	NO3	2.00E-05					
575135	126738	TBP		7.95E-02			2.91E-05	2.91E-05
575135	6484522	NH4NO3		4.34E-02				
575135	7440382	As	1.00E-08			2.91E-04		2.91E-04
575135	7440473	CRVI	2.00E-07			1.69E-01		1.55E-01
575135	7647145	Na		1.28E-03				
575135	10588019	NaCr2		3.72E-05			2.96E-03	2.96E-03
575135	12808798	SO4		1.77E-03				
575135	14797558	NO3	2.50E-04	3.31E-02				
575136	126738	TBP		4.06E-01			1.49E-04	1.49E-04
575136	506876	NH4CO3		2.59E-02				
575136	7440382	As	1.00E-08			2.91E-04		2.91E-04
575136	7440473	CRVI	2.00E-07			1.69E-01		1.55E-01
575136	14797558	NO3	1.00E-04	9.83E-03				
575137	7440382	As	6.00E-09			1.75E-04		1.75E-04
575139	14797558	NO3	1.00E-04					
575140	14797558	NO3	4.50E-05					
575152	7440473	CRVI	5.00E-08			4.22E-02		4.13E-02
575152	14797558	NO3	2.00E-05					
575153	7440473	CRVI	5.00E-08			4.22E-02		4.13E-02

96134592.24914

Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
576130	14797558	NO3	2.00E-05					
576131	14797558	NO3	2.00E-05					
576132	14797558	NO3	2.00E-05					
576133	14797558	NO3	2.00E-05					
576134	7440382	As	6.00E-09			1.75E-04		1.75E-04
576135	7440382	As	2.00E-08			5.82E-04		5.82E-04
576136	7440382	As	1.00E-08			2.91E-04		2.91E-04
576137	7440382	As	6.00E-09			1.75E-04		1.75E-04
576139	14797558	NO3	1.00E-04					
576140	14797558	NO3	4.50E-05					
576152	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
576152	14797558	NO3	2.00E-05					
576153	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
576153	14797558	NO3	2.00E-05					
576154	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
577130	14797558	NO3	2.00E-05					
577131	14797558	NO3	2.00E-05					
577132	14797558	NO3	2.00E-05					
577133	14797558	NO3	2.00E-05					
577135	7440382	As	6.00E-09			1.75E-04		1.75E-04
577136	7440382	As	1.00E-08			2.91E-04		2.91E-04
577137	7440382	As	6.00E-09			1.75E-04		1.75E-04
577146	14797558	NO3	2.00E-05					
577147	14797558	NO3	2.00E-05					
577148	14797558	NO3	2.00E-05					
577152	62760	NaOxal		9.39E-03				
577152	5329146	NaSulfam		9.39E-03				
577152	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
577152	10588019	NaCr2		2.98E-04			2.37E-02	2.34E-02
577152	14797558	NO3	2.00E-05					
577153	14797558	NO3	2.00E-05					
578125	14797558	NO3	2.00E-05					
578129	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
578129	14797558	NO3	2.00E-05					
578130	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
578130	7440382	As	6.00E-09			1.75E-04		1.75E-04
578130	14797558	NO3	2.00E-05					
578131	14797558	NO3	2.00E-05					
578132	14797558	NO3	2.00E-05					
578133	14797558	NO3	2.00E-05					
578134	14797558	NO3	2.00E-05					

Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
578145	14797558	NO3	2.00E-05					
578146	79016	TriChlor	3.50E-08			2.91E-05		2.91E-05
578146	14797558	NO3	4.50E-05					
578147	79016	TriChlor	3.50E-08			2.91E-05		2.91E-05
578147	14797558	NO3	4.50E-05					
578148	14797558	NO3	4.50E-05					
578149	14797558	NO3	2.00E-05					
578151	14797558	NO3	2.00E-05					
578152	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
578152	10588019	NaCr2		1.45E-05			1.15E-03	1.15E-03
578152	14797558	NO3	4.50E-05					
578153	7440473	CRVI	1.00E-07			8.44E-02		8.09E-02
579129	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
579129	14797558	NO3	2.00E-05					
579130	79016	TriChlor	2.50E-08			2.08E-05		2.08E-05
579130	7440382	As	6.00E-09			1.75E-04		1.75E-04
579130	14797558	NO3	2.00E-05					
579131	7440382	As	6.00E-09			1.75E-04		1.75E-04
579131	14797558	NO3	2.00E-05					
579132	14797558	NO3	2.00E-05					
579133	14797558	NO3	2.00E-05					
579134	14797558	NO3	2.00E-05					
579145	14797558	NO3	4.50E-05					
579146	79016	TriChlor	3.50E-08			2.91E-05		2.91E-05
579146	14797558	NO3	1.00E-04					
579147	79016	TriChlor	3.50E-08			2.91E-05		2.91E-05
579147	14797558	NO3	1.00E-04					
579148	14797558	NO3	4.50E-05					
579149	14797558	NO3	2.00E-05					
580128	14797558	NO3	2.00E-05					
580129	14797558	NO3	2.00E-05					
580130	14797558	NO3	2.00E-05					
580131	14797558	NO3	2.00E-05					
580132	14797558	NO3	2.00E-05					
580133	14797558	NO3	2.00E-05					
580142	14797558	NO3	2.00E-05					
580143	14797558	NO3	2.00E-05					
580144	14797558	NO3	4.50E-05					
580145	14797558	NO3	1.00E-04					
580146	79016	TriChlor	2.00E-08			1.66E-05		1.66E-05
580146	14797558	NO3	1.00E-04					

96134S9.24995

Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
580147	62760	NaOxal		5.22E-02				
580147	79016	TriChlor	2.00E-08			1.66E-05		1.66E-05
580147	5329146	NaSulfam		5.22E-02				
580147	7664939	SulfAcid		2.41E-04				
580147	10588019	NaCr2		4.52E-05			3.60E-03	3.60E-03
580147	14797558	NO3	1.00E-04					
580148	14797558	NO3	2.00E-05					
581127	14797558	NO3	2.00E-05					
581128	14797558	NO3	2.00E-05					
581129	14797558	NO3	2.00E-05					
581130	14797558	NO3	2.00E-05					
581131	14797558	NO3	2.00E-05					
581132	14797558	NO3	2.00E-05					
581142	14797558	NO3	4.50E-05					
581143	14797558	NO3	4.50E-05					
581144	14797558	NO3	1.00E-04					
581145	14797558	NO3	1.00E-04					
581146	79016	TriChlor	9.00E-09			7.49E-06		7.49E-06
581146	14797558	NO3	1.00E-04					
581147	79016	TriChlor	1.40E-08			1.16E-05		1.16E-05
581147	10588019	NaCr2		8.66E-06			6.89E-04	6.89E-04
581147	14797558	NO3	4.50E-05					
581148	14797558	NO3	2.00E-05					
582127	14797558	NO3	2.00E-05					
582128	14797558	NO3	2.00E-05					
582129	14797558	NO3	2.00E-05					
582130	14797558	NO3	2.00E-05					
582131	14797558	NO3	2.00E-05					
582132	14797558	NO3	2.00E-05					
582142	14797558	NO3	4.50E-05					
582143	14797558	NO3	1.00E-04					
582144	14797558	NO3	1.00E-04					
582145	14797558	NO3	1.00E-04					
582146	14797558	NO3	4.50E-05					
583125	14797558	NO3	2.00E-06					
583126	14797558	NO3	2.00E-05					
583127	14797558	NO3	2.00E-05					
583128	14797558	NO3	2.00E-05					
583129	14797558	NO3	2.00E-05					
583130	14797558	NO3	2.00E-05					
583131	14797558	NO3	2.00E-05					

Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
583141	14797558	NO3	2.00E-05					
583142	14797558	NO3	4.50E-05					
583143	14797558	NO3	1.00E-04					
583144	14797558	NO3	1.00E-04					
584123	14797558	NO3	2.00E-05					
584124	14797558	NO3	2.00E-05					
584125	14797558	NO3	2.00E-05					
584126	14797558	NO3	2.00E-05					
584127	14797558	NO3	2.00E-05					
584128	14797558	NO3	2.00E-05					
584129	14797558	NO3	2.00E-05					
584130	14797558	NO3	2.00E-05					
584131	14797558	NO3	2.00E-05					
584141	14797558	NO3	4.50E-05					
584142	14797558	NO3	4.50E-05					
585124	14797558	NO3	2.00E-05					
585125	14797558	NO3	2.00E-05					
585126	14797558	NO3	2.00E-05					
585127	14797558	NO3	2.00E-05					
585128	14797558	NO3	2.00E-05					
585129	14797558	NO3	2.00E-05					
585130	14797558	NO3	2.00E-05					
585131	14797558	NO3	2.00E-05					
586123	14797558	NO3	2.00E-05					
586124	14797558	NO3	2.00E-05					
586125	14797558	NO3	2.00E-05					
586126	14797558	NO3	2.00E-05					
586127	14797558	NO3	4.50E-05					
586128	14797558	NO3	4.50E-05					
586129	14797558	NO3	4.50E-05					
586130	14797558	NO3	4.50E-05					
586131	14797558	NO3	2.00E-05					
586132	14797558	NO3	2.00E-05					
586133	14797558	NO3	2.00E-05					
586134	14797558	NO3	2.00E-05					
587124	14797558	NO3	2.00E-05					
587126	14797558	NO3	2.00E-05					
587127	14797558	NO3	4.50E-05					
587128	14797558	NO3	4.50E-05					
587129	14797558	NO3	4.50E-05					
587130	14797558	NO3	4.50E-05					

96134159.2196

Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
587131	14797558	NO3	2.00E-05					
587134	14797558	NO3	2.00E-05					
588123	14797558	NO3	2.00E-05					
588124	14797558	NO3	2.00E-05					
588125	14797558	NO3	2.00E-05					
588126	14797558	NO3	2.00E-05					
588127	14797558	NO3	4.50E-05					
588128	14797558	NO3	4.50E-05					
588129	14797558	NO3	4.50E-05					
588131	14797558	NO3	2.00E-05					
588132	14797558	NO3	2.00E-05					
588133	14797558	NO3	2.00E-05					
588134	14797558	NO3	2.00E-05					
588137	14797558	NO3	2.00E-05					
588138	14797558	NO3	2.00E-05					
589122	14797558	NO3	2.00E-05					
589123	14797558	NO3	2.00E-05					
589124	14797558	NO3	2.00E-05					
589125	14797558	NO3	2.00E-05					
589126	14797558	NO3	2.00E-05					
589127	14797558	NO3	2.00E-05					
589128	14797558	NO3	2.00E-05					
589130	14797558	NO3	4.50E-05					
589131	14797558	NO3	4.50E-05					
589132	14797558	NO3	2.00E-05					
589133	14797558	NO3	2.00E-05					
589134	14797558	NO3	2.00E-05					
589135	14797558	NO3	2.00E-05					
589136	14797558	NO3	2.00E-05					
589137	14797558	NO3	2.00E-05					
589138	14797558	NO3	2.00E-05					
591122	108101	MIBK		1.81E-02				
591122	7440611	U		1.20E-02				
591122	14797558	NO3		6.02E-03				
594115	7439921	PbII		2.73E-05				
594115	7439976	Hg		4.54E-07				
594115	7440020	NiII		1.36E-04			6.99E-07	6.99E-07
594115	7440224	AgI		1.36E-05				
594115	7440417	Be		4.54E-07			4.53E-06	4.53E-06
594115	7440439	CdII		9.08E-07			1.33E-05	1.33E-05
594115	7440473	CRVI		4.54E-05			3.61E-03	3.61E-03

Table B6-1. Carcinogenic Chemical Concentrations and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
594115	7440508	Cull		9.08E-04				
594115	7646857	Znll		4.54E-05				
594115	7782414	F		9.08E-05				

9613459.2497

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
560144	H3	H3	1.00E-12				1.47E-06			1.47E-06
560145	H3	H3	1.00E-12				1.47E-06			1.47E-06
560146	H3	H3	1.00E-12				1.47E-06			1.47E-06
561144	H3	H3	1.00E-12				1.47E-06			1.47E-06
561145	H3	H3	1.00E-12				1.47E-06			1.47E-06
561146	H3	H3	1.00E-12				1.47E-06			1.47E-06
562144	H3	H3	1.00E-12				1.47E-06			1.47E-06
562145	H3	H3	1.00E-12				1.47E-06			1.47E-06
562146	H3	H3	1.00E-12				1.47E-06			1.47E-06
563143	H3	H3	1.00E-12				1.47E-06			1.47E-06
563144	H3	H3	1.00E-12				1.47E-06			1.47E-06
563145	H3	H3	1.00E-12				1.47E-06			1.47E-06
563146	H3	H3	1.00E-12				1.47E-06			1.47E-06
564143	C14	C14			4.75E-12				1.36E-08	1.36E-08
564143	Co60	Co60			4.08E-09				2.10E-01	2.10E-01
564143	Cs137	Cs137			1.04E-11				3.60E-04	3.60E-04
564143	Eu152	Eu152			1.03E-10				4.55E-03	4.55E-03
564143	Eu154	Eu154			1.68E-10				6.33E-03	6.33E-03
564143	H3	H3	1.00E-12		2.32E-08		1.47E-06		1.37E-08	1.48E-06
564143	Ni63	Ni63			7.09E-10				2.27E-07	2.27E-07
564143	Sr90	Sr90			1.04E-11				1.10E-05	1.10E-05
564143	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
564144	H3	H3	1.00E-12				1.47E-06			1.47E-06
564144	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
564145	H3	H3	1.00E-12				1.47E-06			1.47E-06
565133	Cs137	Cs137			1.31E-09				4.53E-02	4.53E-02
565133	Pu239	Pu239			2.85E-10				3.28E-03	3.28E-03
565133	Ru106	Ru106			5.63E-17				4.39E-11	4.39E-11
565133	Sr90	Sr90			1.51E-09				1.60E-03	1.60E-03
565133	U235	U235			9.26E-14				5.67E-07	5.67E-07
565133	U238	U238			1.32E-11				2.51E-05	2.51E-05
565134	Cs137	Cs137			5.07E-12				1.75E-04	1.75E-04
565134	H3	H3			3.85E-09				2.28E-09	2.28E-09
565134	Ru106	Ru106			4.88E-25				3.81E-19	3.81E-19
565134	Sr90	Sr90			3.12E-12				3.31E-06	3.31E-06
565135	H3	H3	1.00E-12				1.47E-06			1.47E-06
565136	H3	H3	1.00E-12				1.47E-06			1.47E-06
565143	C14	C14			2.21E-11				6.32E-08	6.32E-08
565143	Co60	Co60			2.21E-09				1.14E-01	1.14E-01
565143	Cs137	Cs137			7.54E-12				2.61E-04	2.61E-04
565143	Eu152	Eu152			7.44E-11				3.29E-03	3.29E-03
565143	Eu154	Eu154			1.22E-10				4.60E-03	4.60E-03
565143	H3	H3	1.00E-12		4.36E-11		1.47E-06		2.58E-11	1.47E-06

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
565143	Ni63	Ni63			3.87E-10				1.24E-07	1.24E-07
565143	Sr90	Sr90			7.54E-12				7.99E-06	7.99E-06
565143	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
565144	Co60	Co60			6.43E-10				3.31E-02	3.31E-02
565144	Cs134	Cs134			3.77E-14				4.67E-07	4.67E-07
565144	Cs137	Cs137			4.19E-11				1.45E-03	1.45E-03
565144	Eu152	Eu152			2.86E-11				1.26E-03	1.26E-03
565144	Eu154	Eu154			2.15E-12				8.11E-05	8.11E-05
565144	Eu155	Eu155			6.38E-12				2.12E-06	2.12E-06
565144	H3	H3	1.00E-12		4.95E-09		1.47E-06		2.93E-09	1.47E-06
565144	Ni63	Ni63			8.04E-12				2.57E-09	2.57E-09
565144	Pu238	Pu238			5.68E-13				5.91E-06	5.91E-06
565144	Pu239	Pu239			6.33E-13				7.28E-06	7.28E-06
565144	Pu240	Pu240			1.08E-13				1.24E-06	1.24E-06
565144	Sr90	Sr90	8.00E-15		1.77E-11		1.10E-05		1.88E-05	2.98E-05
565144	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
565144	U235	U235			5.88E-15				3.60E-08	3.60E-08
565144	U238	U238			7.04E-13				1.34E-06	1.34E-06
565145	Co60	Co60			5.63E-11				2.89E-03	2.89E-03
565145	Cs134	Cs134			2.12E-13				2.63E-06	2.63E-06
565145	Cs137	Cs137			3.03E-11				1.05E-03	1.05E-03
565145	Eu152	Eu152			1.30E-10				5.75E-03	5.75E-03
565145	Eu154	Eu154			4.24E-11				1.60E-03	1.60E-03
565145	Eu155	Eu155			3.40E-12				1.13E-06	1.13E-06
565145	H3	H3	1.00E-12		7.14E-13		1.47E-06		4.23E-13	1.47E-06
565145	Pu238	Pu238			9.05E-15				9.41E-08	9.41E-08
565145	Pu239	Pu239			6.93E-13				7.97E-06	7.97E-06
565145	Pu240	Pu240			2.10E-14				2.42E-07	2.42E-07
565145	Sr90	Sr90	5.00E-14		2.28E-12		6.90E-05		2.42E-06	7.14E-05
565145	U235	U235			1.31E-13				8.02E-07	8.02E-07
565145	U238	U238			3.00E-14				5.70E-08	5.70E-08
566133	Am241	Am241			6.19E-11				7.24E-04	7.24E-04
566133	Cs137	Cs137			5.15E-09				1.78E-01	1.78E-01
566133	H3	H3	2.00E-11				2.94E-05			2.94E-05
566133	Pu238	Pu238			1.44E-11				1.50E-04	1.50E-04
566133	Pu239	Pu239			1.12E-09				1.29E-02	1.29E-02
566133	Pu240	Pu240			1.25E-10				1.44E-03	1.44E-03
566133	Pu241	Pu241			1.77E-09				3.81E-04	3.81E-04
566133	Pu242	Pu242			1.07E-14				1.17E-07	1.17E-07
566133	Ru106	Ru106			5.64E-12				4.40E-06	4.40E-06
566133	Sr90	Sr90			6.19E-09				6.56E-03	6.56E-03
566133	Tc99	Tc99	5.00E-12				4.88E-04			4.88E-04
566133	U235	U235			1.86E-14				1.14E-07	1.14E-07
566133	U238	U238			2.64E-12				5.02E-06	5.02E-06

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
566134	Am241	Am241			3.37E-09				3.94E-02	3.94E-02
566134	Cs137	Cs137			2.07E-07				7.16E+00	1.00E+00
566134	H3	H3	1.50E-09		1.90E-08		2.21E-03		1.12E-08	2.21E-03
566134	Pu238	Pu238			7.84E-10				8.15E-03	8.15E-03
566134	Pu239	Pu239			7.67E-08				8.82E-01	8.82E-01
566134	Pu240	Pu240			1.09E-08				1.25E-01	1.25E-01
566134	Pu241	Pu241			9.60E-08				2.06E-02	2.06E-02
566134	Pu242	Pu242			5.80E-13				6.32E-06	6.32E-06
566134	Ru106	Ru106			2.49E-15				1.94E-09	1.94E-09
566134	Sr90	Sr90			2.10E-07				2.23E-01	2.23E-01
566134	Tc99	Tc99	5.00E-12				4.88E-04			4.88E-04
566134	U235	U235			1.07E-12				6.55E-06	6.55E-06
566134	U238	U238			1.52E-10				2.89E-04	2.89E-04
566135	Am241	Am241			1.07E-08				1.25E-01	1.25E-01
566135	Cs137	Cs137			1.34E-08				4.64E-01	4.64E-01
566135	H3	H3	2.00E-11		6.88E-11		2.94E-05		4.07E-11	2.94E-05
566135	Pu238	Pu238			2.45E-09				2.55E-02	2.55E-02
566135	Pu239	Pu239			1.97E-07				2.27E+00	1.00E+00
566135	Pu240	Pu240			2.19E-08				2.52E-01	2.52E-01
566135	Pu241	Pu241			2.72E-07				5.85E-02	5.85E-02
566135	Pu242	Pu242			1.88E-12				2.05E-05	2.05E-05
566135	Ru106	Ru106			1.92E-15				1.50E-09	1.50E-09
566135	Sr90	Sr90			1.35E-08				1.43E-02	1.43E-02
566135	Tc99	Tc99	2.50E-12				2.44E-04			2.44E-04
566135	U235	U235			3.61E-15				2.21E-08	2.21E-08
566135	U238	U238			5.13E-13				9.75E-07	9.75E-07
566136	Am241	Am241			6.65E-09				7.78E-02	7.78E-02
566136	Co60	Co60			1.11E-12				5.71E-05	5.71E-05
566136	Cs137	Cs137			5.45E-08				1.89E+00	1.00E+00
566136	H3	H3	2.00E-11				2.94E-05			2.94E-05
566136	Pm147	Pm147			4.61E-12				8.25E-10	8.25E-10
566136	Pu238	Pu238			1.56E-09				1.62E-02	1.62E-02
566136	Pu239	Pu239			5.97E-08				6.87E-01	6.87E-01
566138	Pu240	Pu240			1.35E-08				1.55E-01	1.55E-01
566136	Pu241	Pu241			2.00E-07				4.30E-02	4.30E-02
566136	Pu242	Pu242			1.15E-12				1.25E-05	1.25E-05
566136	Ru106	Ru106			1.51E-14				1.18E-08	1.16E-08
566136	Sr90	Sr90			3.28E-08				3.48E-02	3.48E-02
566136	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
566136	Th232	Th232			1.01E-10				4.34E-03	4.34E-03
566136	U235	U235			2.13E-11				1.30E-04	1.30E-04
566136	U238	U238			4.71E-10				8.95E-04	8.95E-04
566137	Am241	Am241			2.89E-13				3.38E-06	3.38E-06
566137	Cs137	Cs137			1.86E-10				6.44E-03	6.44E-03

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
566137	H3	H3	1.00E-12				1.47E-06			1.47E-06
566137	Pu238	Pu238			6.76E-14				7.03E-07	7.03E-07
566137	Pu239	Pu239			5.27E-12				6.06E-05	6.06E-05
566137	Pu240	Pu240			5.85E-13				6.73E-06	6.73E-06
566137	Pu241	Pu241			8.30E-12				1.78E-06	1.78E-06
566137	Pu242	Pu242			5.02E-17				5.47E-10	5.47E-10
566137	Ru106	Ru106			1.02E-17				7.96E-12	7.96E-12
566137	Sr90	Sr90			1.52E-10				1.61E-04	1.61E-04
566137	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
566137	U235	U235			1.92E-14				1.18E-07	1.18E-07
566137	U238	U238			2.73E-12				5.19E-06	5.19E-06
566142	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
566143	H3	H3	1.00E-12				1.47E-06			1.47E-06
566143	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
566144	H3	H3	1.00E-12				1.47E-06			1.47E-06
566144	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
566145	H3	H3	1.00E-12				1.47E-06			1.47E-06
566145	Sr90	Sr90	5.00E-14				6.90E-05			6.90E-05
566145	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
566146	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
567132	H3	H3	2.00E-11				2.94E-05			2.94E-05
567133	Am241	Am241			1.07E-10				1.25E-03	1.25E-03
567133	Cs137	Cs137			1.19E-08				4.12E-01	4.12E-01
567133	H3	H3	2.50E-09		1.59E-11		3.68E-03		9.41E-12	3.68E-03
567133	I129	I129	1.00E-14				1.26E-04			1.26E-04
567133	Pu238	Pu238			2.51E-11				2.61E-04	2.61E-04
567133	Pu239	Pu239			1.95E-09				2.24E-02	2.24E-02
567133	Pu240	Pu240			2.18E-10				2.51E-03	2.51E-03
567133	Pu241	Pu241			3.10E-09				6.67E-04	6.67E-04
567133	Pu242	Pu242			1.86E-14				2.03E-07	2.03E-07
567133	Ru106	Ru106			5.44E-17				4.24E-11	4.24E-11
567133	Sr90	Sr90			9.03E-09				9.57E-03	9.57E-03
567133	Tc99	Tc99	5.00E-12				4.88E-04			4.88E-04
567133	U235	U235			3.84E-14				2.35E-07	2.35E-07
567133	U238	U238			5.44E-12				1.03E-05	1.03E-05
567134	Am241	Am241			2.34E-10				2.74E-03	2.74E-03
567134	Cs137	Cs137			1.41E-07				4.88E+00	1.00E+00
567134	H3	H3	2.50E-09		7.56E-14		3.68E-03		4.48E-14	3.68E-03
567134	I129	I129	2.00E-14				2.52E-04			2.52E-04
567134	Pu238	Pu238			5.47E-11				5.69E-04	5.69E-04
567134	Pu239	Pu239			4.26E-09				4.90E-02	4.90E-02
567134	Pu240	Pu240			4.74E-10				5.45E-03	5.45E-03
567134	Pu241	Pu241			6.70E-09				1.44E-03	1.44E-03
567134	Pu242	Pu242			4.06E-14				4.43E-07	4.43E-07

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Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
567134	Ru106	Ru106			1.31E-14				1.02E-08	1.02E-08
567134	Sr90	Sr90			1.64E-07				1.74E-01	1.74E-01
567134	Tc99	Tc99	2.00E-11				1.95E-03			1.95E-03
567134	U235	U235			2.69E-12				1.65E-05	1.65E-05
567134	U238	U238	2.00E-12		3.82E-10		1.81E-02		7.26E-04	1.88E-02
567135	Am241	Am241			4.61E-10				5.39E-03	5.39E-03
567135	Cs137	Cs137			1.91E-08				6.61E-01	6.61E-01
567135	H3	H3	3.00E-12				4.41E-06			4.41E-06
567135	I129	I129	5.00E-15				6.30E-05			6.30E-05
567135	Pu238	Pu238			1.08E-10				1.12E-03	1.12E-03
567135	Pu239	Pu239			8.41E-09				9.67E-02	9.67E-02
567135	Pu240	Pu240			9.38E-10				1.08E-02	1.08E-02
567135	Pu241	Pu241			1.32E-08				2.84E-03	2.84E-03
567135	Pu242	Pu242			8.01E-14				8.73E-07	8.73E-07
567135	Ru106	Ru106			1.19E-15				9.28E-10	9.28E-10
567135	Sr90	Sr90			1.48E-08				1.57E-02	1.57E-02
567135	Tc99	Tc99	2.00E-11				1.95E-03			1.95E-03
567135	U235	U235			1.09E-11				6.67E-05	6.67E-05
567135	U238	U238	2.00E-12		1.53E-09		1.81E-02		2.91E-03	2.10E-02
567136	Am241	Am241			2.18E-08				2.55E-01	2.55E-01
567136	Cs137	Cs137			3.77E-07				1.30E+01	1.00E+00
567136	H3	H3	2.00E-11				2.94E-05			2.94E-05
567136	I129	I129	1.00E-15				1.26E-05			1.26E-05
567136	Pu238	Pu238			5.10E-09				5.30E-02	5.30E-02
567136	Pu239	Pu239			3.97E-07				4.57E+00	1.00E+00
567136	Pu240	Pu240			4.43E-08				5.09E-01	5.09E-01
567136	Pu241	Pu241			6.25E-07				1.34E-01	1.34E-01
567136	Pu242	Pu242			3.78E-12				4.12E-05	4.12E-05
567136	Ru106	Ru106			1.01E-16				7.88E-11	7.88E-11
567136	Sr90	Sr90			3.80E-07				4.03E-01	4.03E-01
567136	Tc99	Tc99	9.00E-13				8.78E-05			8.78E-05
567136	U235	U235			1.82E-13				1.11E-06	1.11E-06
567136	U238	U238	1.00E-13		2.43E-11		9.03E-04		4.62E-05	9.49E-04
567137	Am241	Am241			3.54E-10				4.14E-03	4.14E-03
567137	Cs137	Cs137			2.33E-08				8.06E-01	8.06E-01
567137	H3	H3	2.00E-10				2.94E-04			2.94E-04
567137	I129	I129	1.00E-15				1.26E-05			1.26E-05
567137	Pu238	Pu238			8.30E-11				8.63E-04	8.63E-04
567137	Pu239	Pu239			3.40E-09				3.91E-02	3.91E-02
567137	Pu240	Pu240			7.16E-10				8.23E-03	8.23E-03
567137	Pu241	Pu241			1.06E-08				2.28E-03	2.28E-03
567137	Pu242	Pu242			6.14E-14				6.69E-07	6.69E-07
567137	Ru106	Ru106			5.03E-16				3.92E-10	3.92E-10
567137	Sr90	Sr90			2.26E-08				2.40E-02	2.40E-02

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
567137	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
567137	U235	U235			3.39E-13				2.07E-06	2.07E-06
567137	U238	U238	1.00E-13		7.84E-12		9.03E-04		1.49E-05	9.18E-04
567142	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
567143	H3	H3	1.00E-12				1.47E-06			1.47E-06
567143	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
567144	H3	H3	1.00E-12				1.47E-06			1.47E-06
567144	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
567145	H3	H3	1.00E-12				1.47E-06			1.47E-06
567145	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
567146	H3	H3	1.00E-12				1.47E-06			1.47E-06
568132	H3	H3	2.00E-11				2.94E-05			2.94E-05
568132	I129	I129	1.00E-15				1.26E-05			1.26E-05
568133	H3	H3	1.50E-09				2.21E-03			2.21E-03
568133	I129	I129	2.00E-14				2.52E-04			2.52E-04
568134	H3	H3	2.50E-09				3.68E-03			3.68E-03
568134	I129	I129	2.00E-14				2.52E-04			2.52E-04
568134	Tc99	Tc99	1.00E-11				9.76E-04			9.76E-04
568134	U238	U238	1.00E-13				9.03E-04			9.03E-04
568135	H3	H3	3.00E-12				4.41E-06			4.41E-06
568135	I129	I129	1.00E-15				1.26E-05			1.26E-05
568135	Tc99	Tc99	1.00E-11				9.76E-04			9.76E-04
568135	U238	U238	1.00E-13				9.03E-04			9.03E-04
568136	H3	H3	2.00E-11				2.94E-05			2.94E-05
568136	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
568137	H3	H3	2.00E-11				2.94E-05			2.94E-05
568137	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
568142	H3	H3	2.00E-11				2.94E-05			2.94E-05
568142	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
568143	H3	H3	2.00E-11				2.94E-05			2.94E-05
568143	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
568144	H3	H3	1.00E-12				1.47E-06			1.47E-06
568144	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
568145	H3	H3	1.00E-12				1.47E-06			1.47E-06
568146	C14	C14			8.99E-11				2.57E-07	2.57E-07
568146	Co60	Co60			5.38E-14				2.77E-06	2.77E-06
568146	Cs134	Cs134			9.40E-17				1.17E-09	1.17E-09
568146	Cs137	Cs137			3.22E-13				1.11E-05	1.11E-05
568146	Eu152	Eu152			5.93E-13				2.62E-05	2.62E-05
568146	Eu154	Eu154			1.28E-13				4.83E-06	4.83E-06
568146	Eu155	Eu155			7.74E-14				2.57E-08	2.57E-08
568146	H3	H3	1.00E-12		5.68E-11		1.47E-06		3.36E-11	1.47E-06
568146	Sr90	Sr90	8.00E-15		4.94E-14		1.10E-05		5.24E-08	1.11E-05

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Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
568146	U238	U238			9.45E-17				1.80E-10	1.80E-10
568147	H3	H3	1.00E-12				1.47E-06			1.47E-06
569132	H3	H3	2.00E-11				2.94E-05			2.94E-05
569132	I129	I129	1.00E-15				1.26E-05			1.26E-05
569133	H3	H3	2.00E-10				2.94E-04			2.94E-04
569133	I129	I129	2.00E-14				2.52E-04			2.52E-04
569134	H3	H3	2.00E-10				2.94E-04			2.94E-04
569134	I129	I129	2.00E-14				2.52E-04			2.52E-04
569134	Tc99	Tc99	9.00E-13				8.78E-05			8.78E-05
569135	H3	H3	2.00E-10				2.94E-04			2.94E-04
569135	I129	I129	1.00E-15				1.26E-05			1.26E-05
569135	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
569136	H3	H3	2.00E-11				2.94E-05			2.94E-05
569136	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
569140	Cs137	Cs137			8.41E-09				2.91E-01	2.91E-01
569140	Ru106	Ru106			2.73E-20				2.13E-14	2.13E-14
569140	Sr90	Sr90			8.07E-09				8.55E-03	8.55E-03
569142	H3	H3	2.00E-11				2.94E-05			2.94E-05
569142	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
569143	H3	H3	2.00E-11				2.94E-05			2.94E-05
569143	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
569144	H3	H3	1.00E-12				1.47E-06			1.47E-06
569144	Tc99	Tc99	5.00E-14				4.86E-06			4.88E-06
569145	H3	H3	1.00E-12				1.47E-06			1.47E-06
569146	C14	C14			6.33E-11				1.81E-07	1.81E-07
569146	Co60	Co60			9.55E-10				4.91E-02	4.91E-02
569146	Cs134	Cs134			1.06E-16				1.31E-09	1.31E-09
569146	Cs137	Cs137			5.48E-12				1.90E-04	1.90E-04
569146	Eu152	Eu152			2.37E-11				1.05E-03	1.05E-03
569146	Eu154	Eu154			3.73E-11				1.41E-03	1.41E-03
569146	Eu155	Eu155			3.03E-14				1.01E-08	1.01E-08
569146	H3	H3	2.00E-10		3.07E-11		2.94E-04		1.82E-11	2.94E-04
569146	Ni63	Ni63			2.17E-10				6.94E-08	6.94E-08
569146	Pu239	Pu239			1.38E-13				1.59E-06	1.59E-06
569146	Pu240	Pu240			9.30E-15				1.07E-07	1.07E-07
569146	Sr90	Sr90			5.63E-12				5.97E-06	5.97E-06
569146	U235	U235			1.19E-17				7.28E-11	7.28E-11
569146	U238	U238			1.23E-15				2.34E-09	2.34E-09
569147	C14	C14			4.28E-12				1.22E-08	1.22E-08
569147	Co60	Co60			1.65E-10				8.48E-03	8.48E-03
569147	Cs134	Cs134			1.03E-12				1.28E-05	1.28E-05
569147	Cs137	Cs137			7.34E-10				2.54E-02	2.54E-02
569147	Eu152	Eu152			2.87E-09				1.27E-01	1.27E-01

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
569147	Eu154	Eu154			7.49E-10				2.82E-02	2.82E-02
569147	Eu155	Eu155			2.97E-11				9.86E-06	9.86E-06
569147	H3	H3	2.00E-10		6.08E-11		2.94E-04		3.60E-11	2.94E-04
569147	Ni63	Ni63			6.53E-10				2.09E-07	2.09E-07
569147	Pu238	Pu238			8.84E-13				9.19E-06	9.19E-06
569147	Pu239	Pu239			2.21E-11				2.54E-04	2.54E-04
569147	Pu240	Pu240			2.45E-12				2.82E-05	2.82E-05
569147	Sr90	Sr90	6.00E-15		4.18E-11		1.10E-05		4.43E-05	5.53E-05
569147	U235	U235			1.33E-14				8.14E-08	8.14E-08
569147	U238	U238			1.51E-12				2.87E-06	2.87E-06
569148	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
570132	H3	H3	2.00E-11				2.94E-05			2.94E-05
570132	I129	I129	1.00E-15				1.26E-05			1.26E-05
570133	H3	H3	2.00E-10				2.94E-04			2.94E-04
570133	I129	I129	1.00E-15				1.26E-05			1.26E-05
570134	H3	H3	2.00E-10				2.94E-04			2.94E-04
570134	I129	I129	1.00E-15				1.26E-05			1.26E-05
570134	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
570135	H3	H3	2.00E-10				2.94E-04			2.94E-04
570135	I129	I129	1.00E-15				1.26E-05			1.26E-05
570135	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
570136	H3	H3	2.00E-11				2.94E-05			2.94E-05
570136	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
570139	H3	H3	1.00E-12				1.47E-06			1.47E-06
570139	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
570140	Am241	Am241			1.06E-12				1.24E-05	1.24E-05
570140	Cs137	Cs137			7.74E-11				2.68E-03	2.68E-03
570140	H3	H3	2.00E-11				2.94E-05			2.94E-05
570140	Pu238	Pu238			2.48E-13				2.58E-06	2.58E-06
570140	Pu239	Pu239			1.93E-11				2.22E-04	2.22E-04
570140	Pu240	Pu240			2.15E-12				2.47E-05	2.47E-05
570140	Pu241	Pu241			3.05E-11				6.56E-06	6.56E-06
570140	Pu242	Pu242			1.84E-16				2.01E-09	2.01E-09
570140	Ru106	Ru106			2.92E-22				2.28E-16	2.28E-16
570140	Sr90	Sr90			7.44E-11				7.89E-05	7.89E-05
570140	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
570140	U235	U235			1.70E-15				1.04E-08	1.04E-08
570140	U238	U238			2.41E-13				4.58E-07	4.58E-07
570141	H3	H3	2.00E-11				2.94E-05			2.94E-05
570141	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
570142	H3	H3	2.00E-11				2.94E-05			2.94E-05
570142	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
570143	H3	H3	2.00E-11				2.94E-05			2.94E-05
570143	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06

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Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
570144	H3	H3	1.00E-12				1.47E-06			1.47E-06
570144	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
570145	H3	H3	1.00E-12				1.47E-06			1.47E-06
570146	H3	H3	1.00E-12				1.47E-06			1.47E-06
570147	H3	H3	1.00E-12				1.47E-06			1.47E-06
570148	H3	H3	1.00E-12				1.47E-06			1.47E-06
570149	H3	H3	1.00E-12				1.47E-06			1.47E-06
571132	H3	H3	1.00E-12				1.47E-06			1.47E-06
571133	H3	H3	2.00E-11				2.94E-05			2.94E-05
571134	H3	H3	2.00E-11				2.94E-05			2.94E-05
571135	H3	H3	2.00E-11				2.94E-05			2.94E-05
571136	H3	H3	2.00E-11				2.94E-05			2.94E-05
571137	H3	H3	2.00E-11				2.94E-05			2.94E-05
571139	H3	H3	1.00E-12				1.47E-06			1.47E-06
571139	Tc99	Tc99	9.00E-13				8.78E-05			8.78E-05
571140	Am241	Am241			1.55E-12				1.81E-05	1.81E-05
571140	Cs137	Cs137			1.13E-10				3.91E-03	3.91E-03
571140	H3	H3	1.00E-12				1.47E-06			1.47E-06
571140	Pu238	Pu238			3.61E-13				3.75E-06	3.75E-06
571140	Pu239	Pu239			2.81E-11				3.23E-04	3.23E-04
571140	Pu240	Pu240			3.14E-12				3.61E-05	3.61E-05
571140	Pu241	Pu241			4.44E-11				9.55E-06	9.55E-06
571140	Pu242	Pu242			2.68E-16				2.92E-09	2.92E-09
571140	Ru106	Ru106			4.27E-22				3.33E-16	3.33E-16
571140	Sr90	Sr90			1.09E-10				1.16E-04	1.16E-04
571140	Tc99	Tc99	9.00E-13				8.78E-05			8.78E-05
571140	U235	U235			2.48E-15				1.52E-08	1.52E-08
571140	U238	U238			3.52E-13				6.69E-07	6.69E-07
571141	H3	H3	2.00E-11				2.94E-05			2.94E-05
571141	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
571142	H3	H3	2.00E-11				2.94E-05			2.94E-05
571142	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
571143	H3	H3	1.00E-12				1.47E-06			1.47E-06
571143	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
571144	H3	H3	1.00E-12				1.47E-06			1.47E-06
571144	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
571145	H3	H3	1.00E-12				1.47E-06			1.47E-06
571146	H3	H3	1.00E-12				1.47E-06			1.47E-06
571147	H3	H3	1.00E-12				1.47E-06			1.47E-06
571148	H3	H3	1.00E-12				1.47E-06			1.47E-06
571149	Ce144	Ce144			1.23E-14				1.56E-09	1.56E-09
571149	Co60	Co60			1.15E-08				5.91E-01	5.91E-01
571149	Cs134	Cs134			6.23E-11				7.73E-04	7.73E-04

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
571149	Cs137	Cs137			1.25E-08				4.33E-01	4.33E-01
571149	H3	H3	2.00E-11		2.66E-12		2.94E-05		1.57E-12	2.94E-05
571149	Mn54	Mn54			3.09E-14				8.87E-08	8.87E-08
571149	Nb95	Nb95			1.02E-28				2.95E-23	2.95E-23
571149	Pu239	Pu239			1.08E-10				1.24E-03	1.24E-03
571149	Ru103	Ru103			4.97E-27				9.24E-22	9.24E-22
571149	Ru106	Ru106			3.30E-11				2.57E-05	2.57E-05
571149	Sr90	Sr90	1.00E-12		9.35E-09		1.38E-03		9.91E-03	1.13E-02
571149	Tc99	Tc99			4.18E-12				7.61E-09	7.61E-09
571150	H3	H3	2.00E-11				2.94E-05			2.94E-05
571150	Sr90	Sr90	5.00E-14				6.90E-05			6.90E-05
572133	H3	H3	1.00E-12				1.47E-06			1.47E-06
572134	H3	H3	1.00E-12				1.47E-06			1.47E-06
572135	H3	H3	2.00E-11				2.94E-05			2.94E-05
572136	H3	H3	2.00E-11				2.94E-05			2.94E-05
572137	H3	H3	2.00E-10				2.94E-04			2.94E-04
572137	Tc99	Tc99	9.00E-13				8.78E-05			8.78E-05
572138	H3	H3	1.00E-12				1.47E-06			1.47E-06
572138	I129	I129	1.00E-15				1.26E-05			1.26E-05
572138	Tc99	Tc99	9.00E-13				8.78E-05			8.78E-05
572139	H3	H3	1.00E-12				1.47E-06			1.47E-06
572139	Tc99	Tc99	9.00E-13				8.78E-05			8.78E-05
572140	H3	H3	1.00E-12				1.47E-06			1.47E-06
572140	Tc99	Tc99	9.00E-13				8.78E-05			8.78E-05
572141	H3	H3	1.00E-12				1.47E-06			1.47E-06
572142	H3	H3	1.00E-12				1.47E-06			1.47E-06
572142	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
572143	H3	H3	1.00E-12				1.47E-06			1.47E-06
572143	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
572144	H3	H3	1.00E-12				1.47E-06			1.47E-06
572145	H3	H3	1.00E-12				1.47E-06			1.47E-06
572146	H3	H3	1.00E-12				1.47E-06			1.47E-06
572147	H3	H3	1.00E-12				1.47E-06			1.47E-06
572148	H3	H3	1.00E-12				1.47E-06			1.47E-06
572149	H3	H3	2.00E-11				2.94E-05			2.94E-05
572149	Sr90	Sr90	5.00E-14				6.90E-05			6.90E-05
572150	C14	C14			3.87E-12				1.11E-08	1.11E-08
572150	Co60	Co60			3.18E-09				1.63E-01	1.63E-01
572150	Cs137	Cs137			8.44E-12				2.92E-04	2.92E-04
572150	Eu152	Eu152			8.24E-11				3.64E-03	3.64E-03
572150	Eu154	Eu154			1.27E-10				4.79E-03	4.79E-03
572150	H3	H3	2.00E-11		1.74E-11		2.94E-05		1.03E-11	2.94E-05
572150	Ni63	Ni63			5.53E-10				1.77E-07	1.77E-07

96134592.2502

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
572150	Sr90	Sr90			8.44E-12				8.95E-06	8.95E-06
572151	H3	H3	1.00E-12				1.47E-06			1.47E-06
573134	Am241	Am241			1.43E-10				1.67E-03	1.67E-03
573134	Cs137	Cs137			9.43E-07				3.26E+01	1.00E+00
573134	H3	H3	1.00E-12				1.47E-06			1.47E-06
573134	Pu238	Pu238			3.34E-11				3.47E-04	3.47E-04
573134	Pu239	Pu239			2.60E-09				2.99E-02	2.99E-02
573134	Pu240	Pu240			2.90E-10				3.34E-03	3.34E-03
573134	Pu241	Pu241			4.11E-09				8.84E-04	8.84E-04
573134	Pu242	Pu242			2.48E-14				2.70E-07	2.70E-07
573134	Ru106	Ru106			1.88E-15				1.47E-09	1.47E-09
573134	Sr90	Sr90			8.58E-07				9.09E-01	9.09E-01
573134	U235	U235			1.02E-12				6.24E-06	6.24E-06
573134	U238	U238			1.44E-10				2.74E-04	2.74E-04
573135	H3	H3	2.00E-10				2.94E-04			2.94E-04
573135	I129	I129	1.00E-15				1.26E-05			1.26E-05
573136	Am241	Am241			9.89E-10				1.16E-02	1.16E-02
573136	Co60	Co60			3.16E-09				1.62E-01	1.62E-01
573136	Cs137	Cs137			9.94E-08				3.44E+00	1.00E+00
573136	Cs137	Cs137	1.20E-13				1.93E-04			1.93E-04
573136	H3	H3	2.00E-10		5.38E-10		2.94E-04		3.18E-10	2.94E-04
573136	I129	I129	1.00E-15				1.26E-05			1.26E-05
573136	Pu238	Pu238			2.31E-10				2.40E-03	2.40E-03
573136	Pu239	Pu239			5.85E-08				6.73E-01	6.73E-01
573136	Pu240	Pu240			2.00E-09				2.30E-02	2.30E-02
573136	Pu241	Pu241			2.84E-06				6.11E-03	6.11E-03
573136	Pu242	Pu242			1.71E-13				1.86E-06	1.86E-06
573136	Ru106	Ru106			1.55E-13				1.21E-07	1.21E-07
573136	Sr90	Sr90	2.50E-12		3.93E-08		3.45E-03		4.17E-02	4.51E-02
573136	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
573136	U235	U235			1.82E-10				1.11E-03	1.11E-03
573136	U238	U238			2.23E-10				4.24E-04	4.24E-04
573137	Am241	Am241			4.61E-10				5.39E-03	5.39E-03
573137	Cs137	Cs137			1.94E-07				6.71E+00	1.00E+00
573137	H3	H3	2.00E-10				2.94E-04			2.94E-04
573137	I129	I129	1.00E-14				1.26E-04			1.26E-04
573137	Pu238	Pu238			1.06E-10				1.10E-03	1.10E-03
573137	Pu239	Pu239			9.32E-09				1.07E-01	1.07E-01
573137	Pu240	Pu240			9.43E-10				1.08E-02	1.08E-02
573137	Pu241	Pu241			1.23E-08				2.64E-03	2.64E-03
573137	Pu242	Pu242			8.07E-14				6.80E-07	8.80E-07
573137	Ru106	Ru106			8.69E-17				6.78E-11	6.78E-11
573137	Sr90	Sr90			2.43E-07				2.58E-01	2.58E-01
573137	Tc99	Tc99	2.50E-12				2.44E-04			2.44E-04

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
573137	U235	U235			1.16E-13				7.10E-07	7.10E-07
573137	U238	U238			6.88E-12				1.31E-05	1.31E-05
573138	Co60	Co60	1.00E-13				5.92E-05			5.92E-05
573138	H3	H3	1.00E-12				1.47E-06			1.47E-06
573138	Tc99	Tc99	2.00E-11				1.95E-03			1.95E-03
573139	Co60	Co60	1.00E-13				5.92E-05			5.92E-05
573139	H3	H3	1.00E-12				1.47E-06			1.47E-06
573139	Tc99	Tc99	2.50E-12				2.44E-04			2.44E-04
573140	H3	H3	1.00E-12				1.47E-06			1.47E-06
573140	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
573141	CO60	Cobalt		2.64E-14				6.20E-05		6.20E-05
573141	CS137	Cesium 134		9.64E-15				1.77E-04		1.77E-04
573141	H3	H3	1.00E-12				1.47E-06			1.47E-06
573141	H3	Tritium		5.12E-12				7.63E-06		7.63E-06
573141	RU106	Ruthenium		7.97E-13				4.53E-04		4.53E-04
573141	SR90	Strontium		1.93E-14				3.71E-05		3.71E-05
573141	TC99	Technecium		1.07E-12				1.11E-04		1.11E-04
573142	H3	H3	1.00E-12				1.47E-06			1.47E-06
573142	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
573143	H3	H3	1.00E-12				1.47E-06			1.47E-06
573143	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
573144	H3	H3	1.00E-12				1.47E-06			1.47E-06
573145	H3	H3	1.00E-12				1.47E-06			1.47E-06
573146	H3	H3	1.00E-12				1.47E-06			1.47E-06
573147	H3	H3	1.00E-12				1.47E-06			1.47E-06
573148	H3	H3	1.00E-12				1.47E-06			1.47E-06
573149	H3	H3	2.00E-11				2.94E-05			2.94E-05
573150	Co60	Co60			1.80E-10				9.25E-03	9.25E-03
573150	H3	H3	2.00E-11				2.94E-05			2.94E-05
573151	C14	C14			1.42E-12				4.06E-09	4.06E-09
573151	Co60	Co60			1.29E-09				6.63E-02	6.63E-02
573151	Cs134	Cs134			5.98E-16				7.42E-09	7.42E-09
573151	Cs137	Cs137			6.08E-12				2.10E-04	2.10E-04
573151	Eu152	Eu152			2.92E-11				1.29E-03	1.29E-03
573151	Eu154	Eu154			4.43E-11				1.67E-03	1.67E-03
573151	Eu155	Eu155			4.06E-13				1.35E-07	1.35E-07
573151	H3	H3	2.00E-11		8.59E-12		2.94E-05		5.09E-12	2.94E-05
573151	Ni63	Ni63			1.14E-10				3.65E-06	3.65E-08
573151	Pu239	Pu239			6.13E-14				7.05E-07	7.05E-07
573151	Pu240	Pu240			6.78E-15				7.80E-08	7.80E-08
573151	Sr90	Sr90	8.00E-15		3.31E-12		1.10E-05		3.51E-06	1.45E-05
573151	U235	U235			1.13E-16				6.92E-10	6.92E-10
573151	U238	U238			1.41E-14				2.68E-08	2.68E-08

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Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
573152	Co60	Co60			7.14E-13				3.67E-05	3.67E-05
573152	Cs134	Cs134			4.77E-16				5.91E-09	5.91E-09
573152	Cs137	Cs137			9.75E-12				3.37E-04	3.37E-04
573152	Eu152	Eu152			4.97E-12				2.20E-04	2.20E-04
573152	Eu154	Eu154			7.89E-13				2.97E-05	2.97E-05
573152	Eu155	Eu155			5.33E-14				1.77E-08	1.77E-08
573152	H3	H3	1.00E-12		4.18E-13		1.47E-06		2.47E-13	1.47E-06
573152	Pu238	Pu238			6.78E-16				7.05E-09	7.05E-09
573152	Pu239	Pu239			6.58E-14				7.57E-07	7.57E-07
573152	Pu240	Pu240			2.58E-15				2.97E-08	2.97E-08
573152	Sr90	Sr90			2.57E-13				2.72E-07	2.72E-07
573152	U235	U235			3.12E-14				1.91E-07	1.91E-07
573152	U238	U238			2.05E-14				3.89E-08	3.89E-08
574132	H3	H3	1.00E-12				1.47E-06			1.47E-06
574133	H3	H3	1.00E-12				1.47E-06			1.47E-06
574134	H3	H3	2.00E-10				2.94E-04			2.94E-04
574134	I129	I129	1.00E-15				1.26E-05			1.26E-05
574134	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
574134	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
574135	Am241	Am241			1.41E-10				1.65E-03	1.65E-03
574135	Cs137	Cs137			4.10E-09				1.42E-01	1.42E-01
574135	H3	H3	2.50E-09		2.90E-07		3.68E-03		1.72E-07	3.68E-03
574135	I129	I129	2.00E-14		1.68E-12		2.52E-04		5.88E-07	2.53E-04
574135	Pm147	Pm147			4.90E-12				8.77E-10	8.77E-10
574135	Pu238	Pu238			3.56E-11				3.70E-04	3.70E-04
574135	Pu239	Pu239			1.64E-09				1.89E-02	1.89E-02
574135	Pu240	Pu240			2.63E-10				3.02E-03	3.02E-03
574135	Pu241	Pu241			4.52E-09				9.72E-04	9.72E-04
574135	Pu242	Pu242			2.24E-14				2.44E-07	2.44E-07
574135	Ru106	Ru106			4.84E-12				3.78E-06	3.78E-06
574135	Sr90	Sr90	8.00E-15		4.13E-09		1.10E-05		4.38E-03	4.39E-03
574135	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
574135	U235	U235			1.04E-13				6.36E-07	6.36E-07
574135	U238	U238			3.35E-12				6.36E-06	6.36E-06
574136	Am241	Am241			3.77E-10				4.41E-03	4.41E-03
574136	Cs137	Cs137			1.27E-09				4.39E-02	4.39E-02
574136	Eu154	Eu154			7.05E-18				2.66E-10	2.66E-10
574136	H3	H3	2.50E-09				3.68E-03			3.68E-03
574136	I129	I129	5.00E-15				6.30E-05			6.30E-05
574136	Pu238	Pu238			8.86E-11				9.21E-04	9.21E-04
574136	Pu239	Pu239			3.34E-09				3.84E-02	3.84E-02
574136	Pu240	Pu240			7.61E-10				8.75E-03	8.75E-03
574136	Pu241	Pu241			1.14E-08				2.45E-03	2.45E-03
574136	Pu242	Pu242			6.53E-14				7.12E-07	7.12E-07

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
574136	Ru106	Ru106			8.52E-17				6.65E-11	6.65E-11
574136	Sr90	Sr90			2.40E-09				2.54E-03	2.54E-03
574136	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
574136	U235	U235			1.02E-13				6.24E-07	6.24E-07
574136	U238	U238			2.95E-12				5.61E-06	5.61E-06
574137	H3	H3	2.00E-11				2.94E-05			2.94E-05
574137	I129	I129	1.00E-15				1.26E-05			1.26E-05
574137	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
574138	Co60	Co60	1.00E-13				5.92E-05			5.92E-05
574138	H3	H3	1.00E-12				1.47E-06			1.47E-06
574138	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
574138	Tc99	Tc99	5.00E-12				4.88E-04			4.88E-04
574139	Am241	Am241			1.07E-11				1.25E-04	1.25E-04
574139	Cs137	Cs137			2.55E-09				8.82E-02	8.82E-02
574139	H3	H3	1.00E-12		8.07E-10		1.47E-06		4.78E-10	1.47E-06
574139	Pm147	Pm147			5.45E-12				9.76E-10	9.76E-10
574139	Pu238	Pu238			2.49E-12				2.59E-05	2.59E-05
574139	Pu239	Pu239			1.99E-10				2.29E-03	2.29E-03
574139	Pu240	Pu240			2.16E-11				2.48E-04	2.48E-04
574139	Pu241	Pu241			3.07E-10				6.60E-05	6.60E-05
574139	Pu242	Pu242			1.85E-15				2.02E-08	2.02E-08
574139	Ru106	Ru106			6.14E-16				4.79E-10	4.79E-10
574139	Sr90	Sr90	8.00E-15		2.75E-09		1.10E-05		2.92E-03	2.93E-03
574139	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
574139	U235	U235			1.13E-13				6.92E-07	6.92E-07
574139	U238	U238			1.60E-11				3.04E-05	3.04E-05
574140	H3	H3	1.00E-12				1.47E-06			1.47E-06
574140	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
574141	H3	H3	1.00E-12				1.47E-06			1.47E-06
574142	H3	H3	1.00E-12				1.47E-06			1.47E-06
574143	H3	H3	1.00E-12				1.47E-06			1.47E-06
574144	H3	H3	1.00E-12				1.47E-06			1.47E-06
574145	H3	H3	1.00E-12				1.47E-06			1.47E-06
574146	H3	H3	1.00E-12				1.47E-06			1.47E-06
574147	H3	H3	1.00E-12				1.47E-06			1.47E-06
574148	H3	H3	1.00E-12				1.47E-06			1.47E-06
574149	H3	H3	2.00E-11				2.94E-05			2.94E-05
574150	H3	H3	2.00E-11				2.94E-05			2.94E-05
574151	H3	H3	2.00E-11				2.94E-05			2.94E-05
574152	Co60	Co60			1.61E-10				8.28E-03	8.28E-03
574152	Cs134	Cs134			1.56E-13				1.93E-06	1.93E-06
574152	Cs137	Cs137			2.96E-09				1.02E-01	1.02E-01
574152	Eu152	Eu152			1.09E-09				4.82E-02	4.82E-02

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Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
574152	Eu154	Eu154			1.77E-10				6.67E-03	6.67E-03
574152	Eu155	Eu155			1.51E-11				5.01E-06	5.01E-06
574152	H3	H3	1.00E-12		8.84E-11		1.47E-06		5.23E-11	1.47E-06
574152	Pu239	Pu239			7.69E-12				8.84E-05	8.84E-05
574152	Pu240	Pu240			8.54E-13				9.82E-06	9.82E-06
574152	Sr90	Sr90			6.78E-11				7.19E-05	7.19E-05
574152	U235	U235			5.88E-14				3.60E-07	3.60E-07
574152	U238	U238			6.78E-12				1.29E-05	1.29E-05
574153	H3	H3	1.00E-12				1.47E-06			1.47E-06
574154	H3	H3	1.00E-12				1.47E-06			1.47E-06
575131	H3	H3	1.00E-12				1.47E-06			1.47E-06
575132	H3	H3	2.00E-11				2.94E-05			2.94E-05
575133	H3	H3	2.00E-11				2.94E-05			2.94E-05
575134	H3	H3	2.00E-10				2.94E-04			2.94E-04
575134	I129	I129	1.00E-15				1.26E-05			1.26E-05
575134	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
575134	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
575135	Am241	Am241			1.94E-10				2.27E-03	2.27E-03
575135	Cs137	Cs137			1.38E-07				4.77E+00	1.00E+00
575135	H3	H3	2.50E-09		6.14E-08		3.68E-03		3.63E-08	3.68E-03
575135	I129	I129	2.00E-14		3.65E-13		2.52E-04		1.28E-07	2.52E-04
575135	Pm147	Pm147			7.22E-11				1.29E-08	1.29E-08
575135	Pu238	Pu238			4.24E-11				4.41E-04	4.41E-04
575135	Pu239	Pu239			3.32E-09				3.82E-02	3.82E-02
575135	Pu240	Pu240			3.69E-10				4.24E-03	4.24E-03
575135	Pu241	Pu241			5.24E-09				1.13E-03	1.13E-03
575135	Pu242	Pu242			3.15E-14				3.43E-07	3.43E-07
575135	Ru106	Ru106			9.49E-11				7.40E-05	7.40E-05
575135	Sn113	Sn113			1.79E-13				2.18E-10	2.18E-10
575135	Sr90	Sr90	8.00E-15		1.35E-07		1.10E-05		1.43E-01	1.43E-01
575135	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
575135	U235	U235			2.33E-13				1.43E-06	1.43E-06
575135	U238	U238			3.30E-11				6.27E-05	6.27E-05
575136	Am241	Am241			7.05E-12				8.25E-05	8.25E-05
575136	Cs137	Cs137			3.10E-08				1.07E+00	1.00E+00
575136	H3	H3	2.00E-11		6.53E-12		2.94E-05		3.87E-12	2.94E-05
575136	I129	I129	5.00E-15				6.30E-05			6.30E-05
575136	Pu238	Pu238			1.65E-12				1.72E-05	1.72E-05
575136	Pu239	Pu239			1.29E-10				1.48E-03	1.48E-03
575136	Pu240	Pu240			1.44E-11				1.66E-04	1.66E-04
575136	Pu241	Pu241			2.03E-10				4.36E-05	4.36E-05
575136	Pu242	Pu242			1.23E-15				1.34E-08	1.34E-08
575136	Ru106	Ru106			9.09E-16				7.09E-10	7.09E-10
575136	Sr90	Sr90	8.00E-15		1.76E-08		1.10E-05		1.87E-02	1.87E-02

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
575136	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
575136	U235	U235			1.82E-12				1.11E-05	1.11E-05
575136	U238	U238			2.59E-10				4.92E-04	4.92E-04
575137	Am241	Am241			4.11E-12				4.81E-05	4.81E-05
575137	Cs137	Cs137			3.24E-12				1.12E-04	1.12E-04
575137	H3	H3	2.00E-11				2.94E-05			2.94E-05
575137	I129	I129	1.00E-15				1.26E-05			1.26E-05
575137	Pu238	Pu238			9.66E-13				1.00E-05	1.00E-05
575137	Pu239	Pu239			3.64E-11				4.19E-04	4.19E-04
575137	Pu240	Pu240			8.30E-12				9.54E-05	9.54E-05
575137	Pu241	Pu241			1.24E-10				2.67E-05	2.67E-05
575137	Pu242	Pu242			7.10E-16				7.74E-09	7.74E-09
575137	Ru106	Ru106			7.22E-21				5.63E-15	5.63E-15
575137	Sr90	Sr90	8.00E-15		2.89E-12		1.10E-05		3.06E-06	1.41E-05
575137	U235	U235			9.43E-16				5.77E-09	5.77E-09
575137	U238	U238			2.07E-14				3.93E-08	3.93E-08
575139	H3	H3	1.00E-12				1.47E-06			1.47E-06
575139	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
575140	H3	H3	1.00E-12				1.47E-06			1.47E-06
575140	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
575141	H3	H3	1.00E-12				1.47E-06			1.47E-06
575142	H3	H3	1.00E-12				1.47E-06			1.47E-06
575143	H3	H3	1.00E-12				1.47E-06			1.47E-06
575144	H3	H3	1.00E-12				1.47E-06			1.47E-06
575145	H3	H3	1.00E-12				1.47E-06			1.47E-06
575146	H3	H3	1.00E-12				1.47E-06			1.47E-06
575147	H3	H3	1.00E-12				1.47E-06			1.47E-06
575148	H3	H3	1.00E-12				1.47E-06			1.47E-06
575149	H3	H3	1.00E-12				1.47E-06			1.47E-06
575150	H3	H3	1.00E-12				1.47E-06			1.47E-06
575152	H3	H3	1.00E-12				1.47E-06			1.47E-06
575153	H3	H3	1.00E-12				1.47E-06			1.47E-06
575154	H3	H3	1.00E-12				1.47E-06			1.47E-06
576130	H3	H3	1.00E-12				1.47E-06			1.47E-06
576131	H3	H3	2.00E-11				2.94E-05			2.94E-05
576132	H3	H3	2.00E-10				2.94E-04			2.94E-04
576132	I129	I129	1.00E-15				1.26E-05			1.26E-05
576133	H3	H3	2.00E-10				2.94E-04			2.94E-04
576133	I129	I129	1.00E-15				1.26E-05			1.26E-05
576134	H3	H3	2.00E-11				2.94E-05			2.94E-05
576134	I129	I129	1.00E-15				1.26E-05			1.26E-05
576135	H3	H3	2.00E-11				2.94E-05			2.94E-05
576135	I129	I129	1.00E-15				1.26E-05			1.26E-05

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Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
576136	Am241	Am241			4.70E-11				5.50E-04	5.50E-04
576136	Be7	Beryllium 7		1.55E-13				1.64E-07		1.64E-07
576136	CO60	Cobalt		4.74E-15				1.11E-05		1.11E-05
576136	CS134	Cesium 134		7.33E-15				1.96E-04		1.96E-04
576136	Cs137	Cs137			9.32E-10				3.22E-02	3.22E-02
576136	EU154	Europium 154		1.29E-14				4.55E-06		4.55E-06
576136	EU155	Europium 155		2.34E-14				6.06E-07		6.06E-07
576136	H3	H3	2.00E-11		5.74E-10		2.94E-05		3.40E-10	2.94E-05
576136	H3	Tritium		4.69E-12				6.99E-06		6.99E-06
576136	I129	I129	1.00E-15				1.26E-05			1.26E-05
576136	K40	Potassium		7.14E-13				2.84E-03		2.84E-03
576136	Pm147	Pm147			5.41E-17				9.68E-15	9.68E-15
576136	Pu238	Pu236			2.45E-12				2.55E-05	2.55E-05
576136	Pu239	Pu239			2.85E-10				3.28E-03	3.28E-03
576136	Pu240	Pu240			3.00E-11				3.45E-04	3.45E-04
576136	Pu241	Pu241			4.95E-11				1.06E-05	1.06E-05
576136	Pu242	Pu242			2.57E-15				2.80E-08	2.80E-08
576136	Ru106	Ru106			7.95E-25				6.20E-19	6.20E-19
576136	RU106	Ruthenium		8.34E-14				4.75E-05		4.75E-05
576136	Sr90	Sr90			9.20E-10				9.75E-04	9.75E-04
576136	TC99	Technecium		3.55E-09				3.69E-01		3.69E-01
576136	U235	U235			1.32E-13				8.08E-07	8.08E-07
576136	U236	U238			1.88E-11				3.57E-05	3.57E-05
576136	ZN65	Zinc		1.45E-14				1.01E-04		1.01E-04
576137	H3	H3	2.00E-11				2.94E-05			2.94E-05
576137	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
576138	H3	H3	1.00E-12				1.47E-06			1.47E-06
576139	H3	H3	1.00E-12				1.47E-06			1.47E-06
576139	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
576140	H3	H3	1.00E-12				1.47E-06			1.47E-06
576142	H3	H3	1.00E-12				1.47E-06			1.47E-06
576143	H3	H3	1.00E-12				1.47E-06			1.47E-06
576144	H3	H3	1.00E-12				1.47E-06			1.47E-06
576145	H3	H3	1.00E-12				1.47E-06			1.47E-06
576146	H3	H3	1.00E-12				1.47E-06			1.47E-06
576147	H3	H3	1.00E-12				1.47E-06			1.47E-06
576148	H3	H3	1.00E-12				1.47E-06			1.47E-06
576149	H3	H3	1.00E-12				1.47E-06			1.47E-06
576150	H3	H3	1.00E-12				1.47E-06			1.47E-06
576151	H3	H3	1.00E-12				1.47E-06			1.47E-06
576152	H3	H3	1.00E-12				1.47E-06			1.47E-06
576153	H3	H3	1.00E-12				1.47E-06			1.47E-06
576154	H3	H3	1.00E-12				1.47E-06			1.47E-06

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
577128	H3	H3	1.00E-12				1.47E-06			1.47E-06
577129	H3	H3	1.00E-12				1.47E-06			1.47E-06
577130	H3	H3	2.00E-11				2.94E-05			2.94E-05
577131	H3	H3	2.00E-11				2.94E-05			2.94E-05
577132	H3	H3	2.00E-10				2.94E-04			2.94E-04
577132	I129	I129	1.00E-15				1.26E-05			1.26E-05
577133	H3	H3	2.00E-10				2.94E-04			2.94E-04
577133	I129	I129	5.00E-15				6.30E-05			6.30E-05
577134	H3	H3	2.00E-11				2.94E-05			2.94E-05
577134	I129	I129	1.00E-15				1.26E-05			1.26E-05
577135	H3	H3	2.00E-11				2.94E-05			2.94E-05
577136	H3	H3	2.00E-11				2.94E-05			2.94E-05
577137	H3	H3	2.00E-11				2.94E-05			2.94E-05
577138	H3	H3	1.00E-12				1.47E-06			1.47E-06
577139	H3	H3	1.00E-12				1.47E-06			1.47E-06
577140	H3	H3	1.00E-12				1.47E-06			1.47E-06
577142	H3	H3	1.00E-12				1.47E-06			1.47E-06
577143	H3	H3	1.00E-12				1.47E-06			1.47E-06
577144	H3	H3	1.00E-12				1.47E-06			1.47E-06
577145	H3	H3	1.00E-12				1.47E-06			1.47E-06
577146	H3	H3	1.00E-12				1.47E-06			1.47E-06
577147	H3	H3	1.00E-12				1.47E-06			1.47E-06
577148	H3	H3	1.00E-12				1.47E-06			1.47E-06
577149	H3	H3	1.00E-12				1.47E-06			1.47E-06
577150	H3	H3	1.00E-12				1.47E-06			1.47E-06
577151	H3	H3	1.00E-12				1.47E-06			1.47E-06
577152	C14	C14			2.48E-12				7.09E-09	7.09E-09
577152	Co60	Co60			1.42E-09				7.30E-02	7.30E-02
577152	Cs134	Cs134			4.09E-17				5.07E-10	5.07E-10
577152	Cs137	Cs137			8.78E-12				3.04E-04	3.04E-04
577152	Eu152	Eu152			5.35E-11				2.36E-03	2.36E-03
577152	Eu154	Eu154			7.01E-11				2.64E-03	2.64E-03
577152	Eu155	Eu155			1.26E-13				4.18E-08	4.18E-08
577152	H3	H3	2.00E-11		1.12E-11		2.94E-05		6.63E-12	2.94E-05
577152	Pu238	Pu238			5.13E-15				5.34E-08	5.34E-08
577152	Pu239	Pu239			1.77E-13				2.04E-06	2.04E-06
577152	Pu240	Pu240			1.46E-16				1.68E-09	1.68E-09
577152	Sr90	Sr90	8.00E-15		5.63E-12		1.10E-05		5.97E-06	1.70E-05
577152	U235	U235			1.76E-13				1.08E-06	1.08E-06
577152	U238	U238	2.00E-17		2.18E-14		1.81E-07		4.14E-08	2.22E-07
577153	H3	H3	1.00E-12				1.47E-06			1.47E-06
577153	U238	U238	4.00E-17				3.61E-07			3.61E-07

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Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
578127	H3	H3	1.00E-12				1.47E-06			1.47E-06
578128	H3	H3	1.00E-12				1.47E-06			1.47E-06
578129	H3	H3	2.00E-11				2.94E-05			2.94E-05
578130	H3	H3	2.00E-11				2.94E-05			2.94E-05
578131	H3	H3	2.00E-10				2.94E-04			2.94E-04
578131	I129	I129	1.00E-15				1.26E-05			1.26E-05
578132	H3	H3	2.00E-10				2.94E-04			2.94E-04
578132	I129	I129	1.00E-15				1.26E-05			1.26E-05
578133	H3	H3	2.00E-10				2.94E-04			2.94E-04
578133	I129	I129	1.00E-15				1.26E-05			1.26E-05
578134	H3	H3	2.00E-11				2.94E-05			2.94E-05
578135	H3	H3	2.00E-11				2.94E-05			2.94E-05
578136	H3	H3	2.00E-11				2.94E-05			2.94E-05
578137	H3	H3	1.00E-12				1.47E-06			1.47E-06
578138	H3	H3	1.00E-12				1.47E-06			1.47E-06
578139	H3	H3	1.00E-12				1.47E-06			1.47E-06
578142	H3	H3	1.00E-12				1.47E-06			1.47E-06
578143	H3	H3	1.00E-12				1.47E-06			1.47E-06
578144	H3	H3	1.00E-12				1.47E-06			1.47E-06
578145	H3	H3	1.00E-12				1.47E-06			1.47E-06
578146	H3	H3	1.00E-12				1.47E-06			1.47E-06
578147	H3	H3	1.00E-12				1.47E-06			1.47E-06
578148	H3	H3	1.00E-12				1.47E-06			1.47E-06
578149	H3	H3	1.00E-12				1.47E-06			1.47E-06
578150	H3	H3	1.00E-12				1.47E-06			1.47E-06
578151	H3	H3	1.00E-12				1.47E-06			1.47E-06
578152	C14	C14			5.59E-14				1.60E-10	1.60E-10
578152	Co60	Co60			9.70E-13				4.99E-05	4.99E-05
578152	Cs134	Cs134			1.59E-17				1.97E-10	1.97E-10
578152	Cs137	Cs137			6.16E-12				2.13E-04	2.13E-04
578152	Eu152	Eu152			1.29E-11				5.70E-04	5.70E-04
578152	Eu154	Eu154			5.50E-12				2.07E-04	2.07E-04
578152	Eu155	Eu155			1.26E-13				4.18E-08	4.18E-08
578152	H3	H3	1.00E-12		5.82E-14		1.47E-06		3.45E-14	1.47E-06
578152	Pu238	Pu238			5.94E-15				6.18E-08	6.18E-08
578152	Pu239	Pu239			1.50E-13				1.72E-06	1.72E-06
578152	Pu240	Pu240			9.27E-15				1.07E-07	1.07E-07
578152	Sr90	Sr90	8.00E-15		1.14E-12		1.10E-05		1.21E-06	1.22E-05
578152	U235	U235			6.83E-14				4.18E-07	4.18E-07
578152	U238	U238	4.00E-17		2.20E-13		3.61E-07		4.18E-07	7.79E-07
578153	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
579126	H3	H3	1.00E-12				1.47E-06			1.47E-06

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
579127	H3	H3	1.00E-12				1.47E-06			1.47E-06
579128	H3	H3	2.00E-11				2.94E-05			2.94E-05
579129	H3	H3	2.00E-11				2.94E-05			2.94E-05
579129	I129	I129	1.00E-15				1.26E-05			1.26E-05
579130	H3	H3	2.00E-10				2.94E-04			2.94E-04
579130	I129	I129	1.00E-15				1.26E-05			1.26E-05
579131	H3	H3	2.00E-10				2.94E-04			2.94E-04
579131	I129	I129	1.00E-15				1.26E-05			1.26E-05
579132	H3	H3	2.00E-10				2.94E-04			2.94E-04
579132	I129	I129	1.00E-15				1.26E-05			1.26E-05
579133	H3	H3	2.00E-11				2.94E-05			2.94E-05
579133	I129	I129	1.00E-15				1.26E-05			1.26E-05
579134	H3	H3	2.00E-11				2.94E-05			2.94E-05
579135	H3	H3	1.00E-12				1.47E-06			1.47E-06
579136	H3	H3	1.00E-12				1.47E-06			1.47E-06
579137	H3	H3	1.00E-12				1.47E-06			1.47E-06
579138	H3	H3	1.00E-12				1.47E-06			1.47E-06
579139	H3	H3	1.00E-12				1.47E-06			1.47E-06
579142	H3	H3	1.00E-12				1.47E-06			1.47E-06
579143	H3	H3	1.00E-12				1.47E-06			1.47E-06
579144	H3	H3	1.00E-12				1.47E-06			1.47E-06
579145	H3	H3	1.00E-12				1.47E-06			1.47E-06
579146	H3	H3	1.00E-12				1.47E-06			1.47E-06
579147	Co60	Co60			3.48E-10				1.79E-02	1.79E-02
579147	H3	H3	1.00E-12				1.47E-06			1.47E-06
579148	H3	H3	1.00E-12				1.47E-06			1.47E-06
579149	H3	H3	1.00E-12				1.47E-06			1.47E-06
579150	H3	H3	1.00E-12				1.47E-06			1.47E-06
579151	H3	H3	1.00E-12				1.47E-06			1.47E-06
580125	H3	H3	1.00E-12				1.47E-06			1.47E-06
580126	H3	H3	1.00E-12				1.47E-06			1.47E-06
580127	H3	H3	2.00E-11				2.94E-05			2.94E-05
580128	H3	H3	2.00E-11				2.94E-05			2.94E-05
580129	H3	H3	2.00E-11				2.94E-05			2.94E-05
580130	H3	H3	2.00E-10				2.94E-04			2.94E-04
580131	H3	H3	2.00E-10				2.94E-04			2.94E-04
580132	H3	H3	2.00E-10				2.94E-04			2.94E-04
580133	H3	H3	2.00E-11				2.94E-05			2.94E-05
580134	H3	H3	2.00E-11				2.94E-05			2.94E-05
580135	H3	H3	1.00E-12				1.47E-06			1.47E-06
580136	H3	H3	2.00E-11				2.94E-05			2.94E-05
580137	H3	H3	1.00E-12				1.47E-06			1.47E-06

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
580138	H3	H3	1.00E-12				1.47E-06			1.47E-06
580139	H3	H3	1.00E-12				1.47E-06			1.47E-06
580141	H3	H3	1.00E-12				1.47E-06			1.47E-06
580142	H3	H3	1.00E-12				1.47E-06			1.47E-06
580143	H3	H3	1.00E-12				1.47E-06			1.47E-06
580144	H3	H3	1.00E-12				1.47E-06			1.47E-06
580145	H3	H3	1.00E-12				1.47E-06			1.47E-06
580146	H3	H3	2.00E-11				2.94E-05			2.94E-05
580147	C14	C14			1.77E-12				5.06E-09	5.06E-09
580147	Co60	Co60			1.27E-09				6.53E-02	6.53E-02
580147	Cs134	Cs134			1.48E-15				1.84E-08	1.84E-08
580147	Cs137	Cs137			1.08E-11				3.74E-04	3.74E-04
580147	Eu152	Eu152			3.83E-11				1.69E-03	1.69E-03
580147	Eu154	Eu154			5.74E-11				2.16E-03	2.16E-03
580147	Eu155	Eu155			9.63E-14				3.20E-08	3.20E-08
580147	H3	H3	2.00E-11		1.32E-11		2.94E-05		7.81E-12	2.94E-05
580147	Ni63	Ni63			2.20E-10				7.04E-08	7.04E-08
580147	Pu238	Pu238			1.40E-15				1.46E-08	1.46E-08
580147	Pu239	Pu239			1.43E-13				1.64E-06	1.64E-06
580147	Pu240	Pu240			1.59E-14				1.83E-07	1.83E-07
580147	Sr90	Sr90	5.00E-14		3.23E-11		6.90E-05		3.42E-05	1.03E-04
580147	U235	U235			6.22E-16				3.81E-09	3.81E-09
580147	U238	U238			7.44E-14				1.41E-07	1.41E-07
580148	H3	H3	1.00E-12				1.47E-06			1.47E-06
580148	Sr90	Sr90	8.00E-15				1.10E-05			1.10E-05
581124	H3	H3	1.00E-12				1.47E-06			1.47E-06
581125	H3	H3	1.00E-12				1.47E-06			1.47E-06
581126	H3	H3	2.00E-11				2.94E-05			2.94E-05
581127	H3	H3	2.00E-11				2.94E-05			2.94E-05
581128	H3	H3	2.00E-11				2.94E-05			2.94E-05
581129	H3	H3	2.00E-11				2.94E-05			2.94E-05
581130	H3	H3	2.00E-11				2.94E-05			2.94E-05
581131	H3	H3	2.00E-11				2.94E-05			2.94E-05
581132	H3	H3	2.00E-11				2.94E-05			2.94E-05
581133	H3	H3	2.00E-11				2.94E-05			2.94E-05
581134	H3	H3	2.00E-11				2.94E-05			2.94E-05
581135	H3	H3	2.00E-11				2.94E-05			2.94E-05
581136	H3	H3	1.00E-12				1.47E-06			1.47E-06
581137	H3	H3	2.00E-11				2.94E-05			2.94E-05
581138	H3	H3	1.00E-12				1.47E-06			1.47E-06
581139	H3	H3	1.00E-12				1.47E-06			1.47E-06
581141	H3	H3	1.00E-12				1.47E-06			1.47E-06

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
581142	H3	H3	1.00E-12				1.47E-06			1.47E-06
581143	H3	H3	1.00E-12				1.47E-06			1.47E-06
581144	H3	H3	1.00E-12				1.47E-06			1.47E-06
581145	H3	H3	1.00E-12				1.47E-06			1.47E-06
581146	H3	H3	1.00E-12				1.47E-06			1.47E-06
581147	C14	C14			1.10E-13				3.15E-10	3.15E-10
581147	Co60	Co60			2.35E-12				1.21E-04	1.21E-04
581147	Cs134	Cs134			2.45E-16				3.04E-09	3.04E-09
581147	Cs137	Cs137			1.98E-12				6.85E-05	6.85E-05
581147	Eu152	Eu152			1.87E-11				8.27E-04	8.27E-04
581147	Eu154	Eu154			4.12E-12				1.55E-04	1.55E-04
581147	Eu155	Eu155			3.40E-13				1.13E-07	1.13E-07
581147	H3	H3	1.00E-12		8.54E-13		1.47E-06		5.06E-13	1.47E-06
581147	Pu238	Pu238			2.32E-17				2.41E-10	2.41E-10
581147	Pu239	Pu239			6.59E-13				7.58E-06	7.58E-06
581147	Pu240	Pu240			3.03E-15				3.48E-08	3.48E-08
581147	Sr90	Sr90	5.00E-14		2.28E-11		6.90E-05		2.42E-05	9.32E-05
581147	U235	U235			2.82E-14				1.73E-07	1.73E-07
581147	U238	U238			3.15E-14				5.99E-08	5.99E-08
581148	H3	H3	1.00E-12				1.47E-06			1.47E-06
582123	H3	H3	1.00E-12				1.47E-06			1.47E-06
582124	H3	H3	1.00E-12				1.47E-06			1.47E-06
582125	H3	H3	2.00E-11				2.94E-05			2.94E-05
582126	H3	H3	2.00E-11				2.94E-05			2.94E-05
582127	H3	H3	2.00E-11				2.94E-05			2.94E-05
582128	H3	H3	2.00E-11				2.94E-05			2.94E-05
582129	H3	H3	2.00E-11				2.94E-05			2.94E-05
582130	H3	H3	2.00E-11				2.94E-05			2.94E-05
582131	H3	H3	2.00E-11				2.94E-05			2.94E-05
582132	H3	H3	2.00E-11				2.94E-05			2.94E-05
582133	H3	H3	2.00E-11				2.94E-05			2.94E-05
582134	H3	H3	2.00E-11				2.94E-05			2.94E-05
582135	H3	H3	2.00E-11				2.94E-05			2.94E-05
582136	H3	H3	2.00E-11				2.94E-05			2.94E-05
582137	H3	H3	2.00E-11				2.94E-05			2.94E-05
582138	H3	H3	1.00E-12				1.47E-06			1.47E-06
582139	H3	H3	1.00E-12				1.47E-06			1.47E-06
582140	H3	H3	1.00E-12				1.47E-06			1.47E-06
582141	H3	H3	1.00E-12				1.47E-06			1.47E-06
582142	H3	H3	1.00E-12				1.47E-06			1.47E-06
582143	H3	H3	1.00E-12				1.47E-06			1.47E-06
582144	H3	H3	1.00E-12				1.47E-06			1.47E-06

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
582145	H3	H3	1.00E-12				1.47E-06			1.47E-06
582146	H3	H3	1.00E-12				1.47E-06			1.47E-06
582147	H3	H3	1.00E-12				1.47E-06			1.47E-06
583122	H3	H3	1.00E-12				1.47E-06			1.47E-06
583123	H3	H3	1.00E-12				1.47E-06			1.47E-06
583124	H3	H3	2.00E-11				2.94E-05			2.94E-05
583125	H3	H3	2.00E-11				2.94E-05			2.94E-05
583126	H3	H3	2.00E-11				2.94E-05			2.94E-05
583127	H3	H3	2.00E-11				2.94E-05			2.94E-05
583128	H3	H3	2.00E-11				2.94E-05			2.94E-05
583129	H3	H3	2.00E-11				2.94E-05			2.94E-05
583130	H3	H3	2.00E-11				2.94E-05			2.94E-05
583131	H3	H3	2.00E-11				2.94E-05			2.94E-05
583132	H3	H3	2.00E-11				2.94E-05			2.94E-05
583133	H3	H3	2.00E-11				2.94E-05			2.94E-05
583134	H3	H3	2.00E-11				2.94E-05			2.94E-05
583135	H3	H3	2.00E-11				2.94E-05			2.94E-05
583136	H3	H3	2.00E-11				2.94E-05			2.94E-05
583137	H3	H3	2.00E-11				2.94E-05			2.94E-05
583138	H3	H3	1.00E-12				1.47E-06			1.47E-06
583139	H3	H3	1.00E-12				1.47E-06			1.47E-06
583140	H3	H3	1.00E-12				1.47E-06			1.47E-06
583141	H3	H3	1.00E-12				1.47E-06			1.47E-06
583142	H3	H3	1.00E-12				1.47E-06			1.47E-06
583143	H3	H3	1.00E-12				1.47E-06			1.47E-06
583144	H3	H3	1.00E-12				1.47E-06			1.47E-06
584121	H3	H3	1.00E-12				1.47E-06			1.47E-06
584122	H3	H3	1.00E-12				1.47E-06			1.47E-06
584123	H3	H3	2.00E-11				2.94E-05			2.94E-05
584124	H3	H3	2.00E-11				2.94E-05			2.94E-05
584125	H3	H3	2.00E-11				2.94E-05			2.94E-05
584126	H3	H3	2.00E-11				2.94E-05			2.94E-05
584127	H3	H3	2.00E-11				2.94E-05			2.94E-05
584128	H3	H3	2.00E-11				2.94E-05			2.94E-05
584129	H3	H3	2.00E-11				2.94E-05			2.94E-05
584130	H3	H3	2.00E-11				2.94E-05			2.94E-05
584131	H3	H3	2.00E-11				2.94E-05			2.94E-05
584132	H3	H3	2.00E-11				2.94E-05			2.94E-05
584133	H3	H3	2.00E-11				2.94E-05			2.94E-05
584134	H3	H3	2.00E-11				2.94E-05			2.94E-05
584135	H3	H3	2.00E-11				2.94E-05			2.94E-05

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
584136	H3	H3	2.00E-11				2.94E-05			2.94E-05
584137	H3	H3	2.00E-11				2.94E-05			2.94E-05
584138	H3	H3	1.00E-12				1.47E-06			1.47E-06
584139	H3	H3	1.00E-12				1.47E-06			1.47E-06
584140	H3	H3	1.00E-12				1.47E-06			1.47E-06
584141	H3	H3	1.00E-12				1.47E-06			1.47E-06
584142	H3	H3	1.00E-12				1.47E-06			1.47E-06
585121	H3	H3	1.00E-12				1.47E-06			1.47E-06
585122	H3	H3	2.00E-11				2.94E-05			2.94E-05
585123	H3	H3	2.00E-11				2.94E-05			2.94E-05
585124	H3	H3	2.00E-11				2.94E-05			2.94E-05
585125	H3	H3	2.00E-11				2.94E-05			2.94E-05
585126	H3	H3	2.00E-11				2.94E-05			2.94E-05
585127	H3	H3	2.00E-11				2.94E-05			2.94E-05
585128	H3	H3	2.00E-11				2.94E-05			2.94E-05
585129	H3	H3	2.00E-11				2.94E-05			2.94E-05
585130	H3	H3	2.00E-11				2.94E-05			2.94E-05
585131	H3	H3	2.00E-11				2.94E-05			2.94E-05
585132	H3	H3	2.00E-11				2.94E-05			2.94E-05
585133	H3	H3	2.00E-11				2.94E-05			2.94E-05
585134	H3	H3	2.00E-10				2.94E-04			2.94E-04
585135	H3	H3	2.00E-10				2.94E-04			2.94E-04
585136	H3	H3	2.00E-10				2.94E-04			2.94E-04
585137	H3	H3	2.00E-11				2.94E-05			2.94E-05
585138	H3	H3	1.00E-12				1.47E-06			1.47E-06
585139	H3	H3	1.00E-12				1.47E-06			1.47E-06
585141	H3	H3	1.00E-12				1.47E-06			1.47E-06
586120	H3	H3	1.00E-12				1.47E-06			1.47E-06
586121	H3	H3	1.00E-12				1.47E-06			1.47E-06
586122	H3	H3	2.00E-11				2.94E-05			2.94E-05
586123	H3	H3	2.00E-11				2.94E-05			2.94E-05
586124	H3	H3	2.00E-11				2.94E-05			2.94E-05
586125	H3	H3	2.00E-11				2.94E-05			2.94E-05
586126	H3	H3	2.00E-11				2.94E-05			2.94E-05
586127	H3	H3	2.00E-11				2.94E-05			2.94E-05
586128	H3	H3	2.00E-11				2.94E-05			2.94E-05
586129	H3	H3	2.00E-11				2.94E-05			2.94E-05
586130	H3	H3	2.00E-11				2.94E-05			2.94E-05
586131	H3	H3	2.00E-11				2.94E-05			2.94E-05
586132	H3	H3	2.00E-11				2.94E-05			2.94E-05
586133	H3	H3	2.00E-10				2.94E-04			2.94E-04

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Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
586134	H3	H3	2.00E-10				2.94E-04			2.94E-04
586135	H3	H3	2.00E-10				2.94E-04			2.94E-04
586136	H3	H3	2.00E-10				2.94E-04			2.94E-04
586137	H3	H3	2.00E-11				2.94E-05			2.94E-05
586138	H3	H3	1.00E-12				1.47E-06			1.47E-06
587120	H3	H3	1.00E-12				1.47E-06			1.47E-06
587121	H3	H3	1.00E-12				1.47E-06			1.47E-06
587122	H3	H3	2.00E-11				2.94E-05			2.94E-05
587123	H3	H3	2.00E-11				2.94E-05			2.94E-05
587124	H3	H3	2.00E-11				2.94E-05			2.94E-05
587125	H3	H3	2.00E-11				2.94E-05			2.94E-05
587126	H3	H3	1.00E-12				1.47E-06			1.47E-06
587127	H3	H3	1.00E-12				1.47E-06			1.47E-06
587128	H3	H3	1.00E-12				1.47E-06			1.47E-06
587129	H3	H3	2.00E-11				2.94E-05			2.94E-05
587130	H3	H3	2.00E-11				2.94E-05			2.94E-05
587131	H3	H3	2.00E-11				2.94E-05			2.94E-05
587132	H3	H3	2.00E-11				2.94E-05			2.94E-05
587133	H3	H3	2.00E-10				2.94E-04			2.94E-04
587134	H3	H3	2.00E-10				2.94E-04			2.94E-04
587134	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
587135	H3	H3	2.00E-10				2.94E-04			2.94E-04
587135	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
587136	H3	H3	2.00E-10				2.94E-04			2.94E-04
587136	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
587137	H3	H3	2.00E-11				2.94E-05			2.94E-05
587137	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
587138	H3	H3	1.00E-12				1.47E-06			1.47E-06
588120	H3	H3	1.00E-12				1.47E-06			1.47E-06
588121	H3	H3	1.00E-12				1.47E-06			1.47E-06
588122	H3	H3	2.00E-11				2.94E-05			2.94E-05
588123	H3	H3	2.00E-11				2.94E-05			2.94E-05
588124	H3	H3	2.00E-11				2.94E-05			2.94E-05
588125	H3	H3	2.00E-11				2.94E-05			2.94E-05
588126	H3	H3	1.00E-12				1.47E-06			1.47E-06
588127	H3	H3	1.00E-12				1.47E-06			1.47E-06
588128	H3	H3	1.00E-12				1.47E-06			1.47E-06
588129	H3	H3	2.00E-11				2.94E-05			2.94E-05
588130	H3	H3	2.00E-11				2.94E-05			2.94E-05
588131	H3	H3	2.00E-11				2.94E-05			2.94E-05
588132	H3	H3	2.00E-11				2.94E-05			2.94E-05
588133	H3	H3	2.00E-10				2.94E-04			2.94E-04

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
588133	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
588134	H3	H3	2.00E-10				2.94E-04			2.94E-04
588134	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
588135	H3	H3	2.00E-10				2.94E-04			2.94E-04
588135	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
588136	H3	H3	2.00E-10				2.94E-04			2.94E-04
588136	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
588137	H3	H3	2.00E-10				2.94E-04			2.94E-04
588137	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
589120	H3	H3	1.00E-12				1.47E-06			1.47E-06
589121	H3	H3	2.00E-11				2.94E-05			2.94E-05
589122	H3	H3	2.00E-11				2.94E-05			2.94E-05
589123	H3	H3	2.00E-11				2.94E-05			2.94E-05
589124	H3	H3	2.00E-11				2.94E-05			2.94E-05
589125	H3	H3	2.00E-11				2.94E-05			2.94E-05
589126	H3	H3	1.00E-12				1.47E-06			1.47E-06
589127	Co60	Co60			5.63E-10				2.89E-02	2.89E-02
589127	H3	H3	1.00E-12				1.47E-06			1.47E-06
589128	H3	H3	1.00E-12				1.47E-06			1.47E-06
589129	H3	H3	1.00E-12				1.47E-06			1.47E-06
589130	H3	H3	2.00E-11				2.94E-05			2.94E-05
589131	H3	H3	2.00E-11				2.94E-05			2.94E-05
589132	H3	H3	2.00E-11				2.94E-05			2.94E-05
589133	H3	H3	2.00E-11				2.94E-05			2.94E-05
589133	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
589134	H3	H3	2.00E-10				2.94E-04			2.94E-04
589134	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
589135	H3	H3	2.00E-10				2.94E-04			2.94E-04
589135	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
589136	H3	H3	2.00E-10				2.94E-04			2.94E-04
589136	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
589137	H3	H3	2.00E-10				2.94E-04			2.94E-04
589137	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
590119	H3	H3	1.00E-12				1.47E-06			1.47E-06
590120	H3	H3	1.00E-12				1.47E-06			1.47E-06
590121	Co60	Co60			2.78E-10				1.43E-02	1.43E-02
590121	H3	H3	2.00E-11				2.94E-05			2.94E-05
590121	Pu239	Pu239			1.94E-10				2.23E-03	2.23E-03
590121	U235	U235			1.46E-16				8.94E-10	8.94E-10
590121	U238	U238			1.57E-18				2.98E-12	2.98E-12
590122	H3	H3	2.00E-11				2.94E-05			2.94E-05
590123	H3	H3	2.00E-11				2.94E-05			2.94E-05

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Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
590124	H3	H3	2.00E-11				2.94E-05			2.94E-05
590125	H3	H3	2.00E-11				2.94E-05			2.94E-05
590126	H3	H3	1.00E-12				1.47E-06			1.47E-06
590127	H3	H3	1.00E-12				1.47E-06			1.47E-06
590128	H3	H3	1.00E-12				1.47E-06			1.47E-06
590129	H3	H3	1.00E-12				1.47E-06			1.47E-06
590130	H3	H3	1.00E-12				1.47E-06			1.47E-06
590131	H3	H3	2.00E-11				2.94E-05			2.94E-05
590132	H3	H3	2.00E-11				2.94E-05			2.94E-05
590133	H3	H3	2.00E-11				2.94E-05			2.94E-05
590133	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
590134	H3	H3	2.00E-11				2.94E-05			2.94E-05
590134	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
590135	H3	H3	2.00E-10				2.94E-04			2.94E-04
590135	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
590136	H3	H3	2.00E-10				2.94E-04			2.94E-04
590136	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
591119	H3	H3	1.00E-12				1.47E-06			1.47E-06
591120	H3	H3	1.00E-12				1.47E-06			1.47E-06
591121	H3	H3	2.00E-11				2.94E-05			2.94E-05
591122	H3	H3	2.00E-11				2.94E-05			2.94E-05
591123	H3	H3	2.00E-11				2.94E-05			2.94E-05
591124	H3	H3	2.00E-11				2.94E-05			2.94E-05
591125	H3	H3	2.00E-11				2.94E-05			2.94E-05
591126	H3	H3	1.00E-12				1.47E-06			1.47E-06
591127	H3	H3	1.00E-12				1.47E-06			1.47E-06
591128	H3	H3	1.00E-12				1.47E-06			1.47E-06
591129	H3	H3	1.00E-12				1.47E-06			1.47E-06
591130	H3	H3	1.00E-12				1.47E-06			1.47E-06
591131	H3	H3	2.00E-11				2.94E-05			2.94E-05
591132	H3	H3	2.00E-11				2.94E-05			2.94E-05
591133	H3	H3	2.00E-11				2.94E-05			2.94E-05
591133	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
591134	H3	H3	2.00E-11				2.94E-05			2.94E-05
591134	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
591135	H3	H3	2.00E-11				2.94E-05			2.94E-05
592116	Co60	Co60			1.42E-17				7.30E-10	7.30E-10
592116	Th232	Th232			5.63E-09				2.42E-01	2.42E-01
592116	U235	U235			8.79E-13				5.38E-06	5.38E-06
592116	U238	U238			1.88E-11				3.57E-05	3.57E-05
592118	H3	H3	1.00E-12				1.47E-06			1.47E-06
592119	H3	H3	1.00E-12				1.47E-06			1.47E-06

Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
592120	H3	H3	1.00E-12				1.47E-06			1.47E-06
592121	H3	H3	2.00E-11				2.94E-05			2.94E-05
592122	H3	H3	2.00E-11				2.94E-05			2.94E-05
592123	H3	H3	2.00E-11				2.94E-05			2.94E-05
592124	H3	H3	2.00E-11				2.94E-05			2.94E-05
592125	H3	H3	1.00E-12				1.47E-06			1.47E-06
592126	H3	H3	1.00E-12				1.47E-06			1.47E-06
592127	H3	H3	1.00E-12				1.47E-06			1.47E-06
592128	H3	H3	1.00E-12				1.47E-06			1.47E-06
592129	H3	H3	1.00E-12				1.47E-06			1.47E-06
592130	H3	H3	1.00E-12				1.47E-06			1.47E-06
592131	H3	H3	2.00E-11				2.94E-05			2.94E-05
592132	H3	H3	2.00E-11				2.94E-05			2.94E-05
592133	H3	H3	2.00E-11				2.94E-05			2.94E-05
592133	Tc99	Tc99	5.00E-14				4.88E-06			4.88E-06
592134	H3	H3	2.00E-11				2.94E-05			2.94E-05
593116	Co60	Co60			3.27E-17				1.68E-09	1.68E-09
593116	U235	U235			5.24E-13				3.21E-06	3.21E-06
593116	U238	U238	2.00E-14		1.12E-11		1.81E-04		2.13E-05	2.02E-04
593117	H3	H3	1.00E-12				1.47E-06			1.47E-06
593118	H3	H3	1.00E-12				1.47E-06			1.47E-06
593119	H3	H3	1.00E-12				1.47E-06			1.47E-06
593120	H3	H3	1.00E-12				1.47E-06			1.47E-06
593121	H3	H3	1.00E-12				1.47E-06			1.47E-06
593122	H3	H3	1.00E-12				1.47E-06			1.47E-06
593123	H3	H3	1.00E-12				1.47E-06			1.47E-06
593124	H3	H3	1.00E-12				1.47E-06			1.47E-06
593125	H3	H3	1.00E-12				1.47E-06			1.47E-06
593126	H3	H3	1.00E-12				1.47E-06			1.47E-06
593127	H3	H3	1.00E-12				1.47E-06			1.47E-06
593128	H3	H3	1.00E-12				1.47E-06			1.47E-06
593129	H3	H3	1.00E-12				1.47E-06			1.47E-06
593130	H3	H3	1.00E-12				1.47E-06			1.47E-06
593131	H3	H3	2.00E-11				2.94E-05			2.94E-05
593132	H3	H3	2.00E-11				2.94E-05			2.94E-05
593133	H3	H3	2.00E-11				2.94E-05			2.94E-05
594115	H3	H3	1.00E-12				1.47E-06			1.47E-06
594115	U238	U238	2.00E-14		4.54E-07		1.81E-04		8.63E-01	8.63E-01
594116	Cs137	Cs137			2.71E-08				9.38E-01	9.38E-01
594116	H3	H3	2.00E-12				2.94E-06			2.94E-06
594116	Pu239	Pu239			1.77E-12				2.04E-05	2.04E-05
594116	Pu240	Pu240			5.00E-13				5.75E-06	5.75E-06

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Table B6-2. Radionuclide Concentration and Resultant Individual Risk for Agricultural Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
594116	Sr90	Sr90			2.70E-08				2.86E-02	2.86E-02
594116	U238	U238	1.00E-13				9.03E-04			9.03E-04
594117	H3	H3	2.00E-12				2.94E-06			2.94E-06
594117	U238	U238	2.00E-14				1.81E-04			1.81E-04
594118	H3	H3	2.00E-12				2.94E-06			2.94E-06
594119	H3	H3	2.00E-12				2.94E-06			2.94E-06
594120	H3	H3	2.00E-12				2.94E-06			2.94E-06
594121	H3	H3	1.00E-12				1.47E-06			1.47E-06
594122	H3	H3	1.00E-12				1.47E-06			1.47E-06
594123	H3	H3	1.00E-12				1.47E-06			1.47E-06
594124	H3	H3	1.00E-12				1.47E-06			1.47E-06
594125	H3	H3	1.00E-12				1.47E-06			1.47E-06
594126	H3	H3	1.00E-12				1.47E-06			1.47E-06
594127	H3	H3	1.00E-12				1.47E-06			1.47E-06
594128	H3	H3	1.00E-12				1.47E-06			1.47E-06
594129	H3	H3	1.00E-12				1.47E-06			1.47E-06
594130	H3	H3	1.00E-12				1.47E-06			1.47E-06
594131	H3	H3	2.00E-11				2.94E-05			2.94E-05
594132	H3	H3	2.00E-11				2.94E-05			2.94E-05

Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
560141	14797558	NO3	2.00E-05					
560142	14797558	NO3	4.50E-05					
561141	14797558	NO3	2.00E-05					
562141	14797558	NO3	2.00E-05					
564134	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
564135	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
564136	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
565133	7440382	As	6.00E-09			1.72E-04		1.72E-04
565133	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
565133	14797558	NO3		2.84E-06				
565134	56235	CCl4	1.00E-07			4.63E-04		4.63E-04
565134	7440382	As	2.00E-08			5.72E-04		5.72E-04
565135	56235	CCl4	5.00E-07			2.31E-03		2.31E-03
565135	67663	Chlor	1.00E-08			3.84E-05		3.84E-05
565135	7440382	As	2.00E-08			5.72E-04		5.72E-04
565135	14797558	NO3	4.50E-05					
565136	56235	CCl4	1.00E-07			4.63E-04		4.63E-04
565136	7440382	As	2.00E-08			5.72E-04		5.72E-04
565136	14797558	NO3	4.50E-05					
565137	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
565137	7440473	CRVI	5.00E-08			3.56E-02		3.49E-02
565137	14797558	NO3	4.50E-05					
565144	62760	NaOxal		3.07E-04				
565144	5329148	NaSulfam		1.01E-03				
565144	10588019	NaCr2		2.19E-04			1.74E-02	1.73E-02
565145	10588019	NaCr2		1.20E-06			9.55E-05	9.55E-05
566133	7440382	As	6.00E-09			1.72E-04		1.72E-04
566133	7440473	CRVI	3.00E-07			2.13E-01		1.92E-01
566133	14797558	NO3		4.32E-06				
566134	56235	CCl4	1.00E-07			4.63E-04		4.63E-04
566134	67663	Chlor	1.00E-08			3.84E-05		3.84E-05
566134	1302427	NaAl		4.73E-05				
566134	6484522	NH4NO3		4.13E-04				
566134	7440382	As	2.00E-08			5.72E-04		5.72E-04
566134	7440473	CRVI	3.00E-07			2.13E-01		1.92E-01
566134	7647145	Na		2.03E-03				
566134	7697372	HNO3		3.34E-02				
566134	10588019	NaCr2		3.18E-05			2.52E-03	2.52E-03
566134	13473900	AlNO3		2.01E-02				
566134	14797558	NO3	1.00E-04	9.89E-03				
566135	56235	CCl4	4.00E-06	2.59E-02		1.85E-02	2.85E-05	1.84E-02

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Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
566135	67663	Chlor	3.00E-08			1.15E-04		1.15E-04
566135	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
566135	126738	TBP		2.19E-03			8.02E-07	8.02E-07
566135	1809194	DBBP		1.49E-03				
566135	6484522	NH4NO3		2.27E-03				
566135	7440382	As	2.00E-08			5.72E-04		5.72E-04
566135	7440473	CRVI	5.00E-08			3.56E-02		3.49E-02
566135	7601549	PO4		7.56E-03				
566135	7647145	Na		3.09E-02				
566135	7697372	HNO3		4.00E-03				
566135	7782414	F	4.00E-06	1.83E-02				
566135	10124375	CaNO3		1.37E-02				
566135	10377603	MgNO3		1.84E-02				
566135	12808798	SO4		1.08E-03				
566135	13473900	AlNO3		1.89E-02				
566135	13520688	FeNO3		4.05E-03				
566135	14797558	NO3	2.50E-04	5.19E-02				
566136	56235	CCl4	2.00E-06			9.26E-03		9.26E-03
566136	62760	NaOxal		9.15E-03				
566136	67663	Chlor	3.00E-08			1.15E-04		1.15E-04
566136	79016	TriChlor	2.50E-08			2.08E-05		2.08E-05
566136	1302427	NaAl		8.47E-02				
566136	6484522	NH4NO3		2.00E-02				
566136	7440382	As	2.00E-08			5.72E-04		5.72E-04
566136	7440473	CRVI	2.00E-07			1.42E-01		1.33E-01
566136	7447407	K		3.16E-02				
566136	7601549	PO4		1.09E-01				
566136	7647145	Na		4.07E-01				
566136	7782414	F	4.00E-06	3.47E-02				
566136	12808798	SO4		1.90E-02				
566136	13943583	FeCN		7.39E-03				
566136	14797558	NO3	2.50E-04	4.70E-01				
566136	Nitrite	NO2		9.20E-05				
566137	56235	CCl4	1.00E-06			4.63E-03		4.63E-03
566137	67663	Chlor	1.00E-08			3.84E-05		3.84E-05
566137	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
566137	7440473	CRVI	5.00E-08			3.56E-02		3.49E-02
566137	14797558	NO3	5.00E-04					
567133	79016	TriChlor	2.50E-08			2.08E-05		2.08E-05
567133	7440382	As	8.00E-09			1.72E-04		1.72E-04
567133	7440473	CRVI	3.00E-07			2.13E-01		1.92E-01

Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
567133	7647145	Na		1.00E-02				
567133	14797558	NO3	4.50E-05	9.20E-03				
567134	56235	CCl4	1.00E-07			4.63E-04		4.63E-04
567134	79016	TriChlor	1.00E-08			8.32E-06		8.32E-06
567134	108101	MIBK		7.39E-03				
567134	6484522	NH4NO3		5.16E-03				
567134	7440382	As	1.00E-08			2.86E-04		2.86E-04
567134	7440473	CRVI	2.00E-07			1.42E-01		1.33E-01
567134	7647145	Na		2.43E-03				
567134	7697372	HNO3		3.84E-02				
567134	7782414	F	4.00E-06					
567134	10588019	NaCr2		7.39E-03			5.88E-01	4.45E-01
567134	13473900	AlNO3		2.07E-02				
567134	14797558	NO3	5.00E-04	3.65E-02				
567135	56235	CCl4	2.00E-06			9.26E-03		9.26E-03
567135	67663	Chlor	3.00E-08			1.15E-04		1.15E-04
567135	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
567135	126738	TBP		1.37E-01			5.01E-05	5.01E-05
567135	7601549	PO4		1.77E-01				
567135	7647145	Na		1.27E+00				
567135	12808798	SO4		2.59E-01				
567135	14797558	NO3	5.00E-04	2.32E+00				
567136	56235	CCl4	1.00E-06			4.63E-03		4.63E-03
567136	62760	NaOxal		2.91E-02				
567136	67663	Chlor	2.00E-08			7.68E-05		7.68E-05
567136	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
567136	6484522	NH4NO3		1.28E-02				
567136	7447407	K		1.18E+01				
567136	7601549	PO4		6.59E-02				
567136	7647145	Na		7.95E-01				
567136	7664939	H2SO4		2.59E-03				
567136	7697372	HNO3		2.59E-03				
567136	7782414	F		1.24E-01				
567136	10588019	NaCr2		2.59E-05			2.06E-03	2.06E-03
567136	12808798	SO4		7.56E-03				
567136	14797558	NO3	5.00E-04	9.32E-01				
567137	56235	CCl4	1.00E-06			4.63E-03		4.63E-03
567137	67663	Chlor	1.00E-08			3.84E-05		3.84E-05
567137	7440473	CRVI	5.00E-08			3.56E-02		3.49E-02
567137	7782414	F	2.00E-06					
567137	14797558	NO3	5.00E-04	4.37E-04				

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Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
567138	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
567138	14797558	NO3	1.00E-04					
568134	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
568134	14797558	NO3	2.50E-04					
568135	56235	CCl4	1.00E-07			4.63E-04		4.63E-04
568135	14797558	NO3	5.00E-04					
568136	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
568136	14797558	NO3	5.00E-04					
568137	56235	CCl4	5.00E-08			2.32E-04		2.32E-04
568137	14797558	NO3	2.50E-04					
568138	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
568138	14797558	NO3	4.50E-05					
568146	14797558	NO3	1.00E-04					
568147	14797558	NO3	4.50E-05					
569134	56235	CCl4	1.00E-08			4.63E-05		4.63E-05
569134	14797558	NO3	1.00E-04					
569135	56235	CCl4	1.00E-08			4.83E-05		4.63E-05
569135	14797558	NO3	1.00E-04					
569136	14797558	NO3	1.00E-04					
569137	14797558	NO3	4.50E-05					
569143	14797558	NO3	2.00E-05					
569144	14797558	NO3	2.00E-05					
569146	7439976	Hg		6.28E-03				
569146	14797558	NO3	2.00E-05					
569147	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
569147	7664939	H2SO4		7.49E-05				
569147	7664939	SulfAcid		7.49E-05				
569147	7758987	Cu2SO4		3.75E-06				
569147	10588019	NaCr2		1.43E-03			1.14E-01	1.08E-01
569147	14797558	NO3	2.00E-05					
569148	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
570134	14797558	NO3	1.00E-04					
570135	14797558	NO3	1.00E-04					
570136	14797558	NO3	4.50E-05					
570137	14797558	NO3	4.50E-05					
570141	14797558	NO3	2.00E-05					
570142	14797558	NO3	2.00E-05					
570143	14797558	NO3	2.00E-05					
570144	14797558	NO3	2.00E-05					
570146	7440473	CRVI	5.00E-08			3.56E-02		3.49E-02
570147	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02

Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
570147	14797558	NO3	2.00E-05					
570148	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
570149	14797558	NO3	4.50E-05					
571135	14797558	NO3	4.50E-05					
571136	14797558	NO3	4.50E-05					
571137	14797558	NO3	4.50E-05					
571139	14797558	NO3	4.50E-05					
571140	14797558	NO3	4.50E-05					
571141	14797558	NO3	2.00E-05					
571142	14797558	NO3	2.00E-05					
571143	14797558	NO3	2.00E-05					
571144	14797558	NO3	2.00E-05					
571149	14797558	NO3	4.50E-05					
572136	14797558	NO3	4.50E-05					
572137	7440382	As	6.00E-09			1.72E-04		1.72E-04
572137	14797558	NO3	4.50E-05					
572138	7440382	As	6.00E-09			1.72E-04		1.72E-04
572138	14797558	NO3	4.50E-05					
572139	14797558	NO3	4.50E-05					
572140	14797558	NO3	1.00E-04					
572142	14797558	NO3	2.00E-05					
572143	14797558	NO3	2.00E-05					
572144	14797558	NO3	2.00E-05					
572149	14797558	NO3	2.00E-05					
572150	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
572150	14797558	NO3	2.00E-05					
572151	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
572151	14797558	NO3	4.50E-05					
572152	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
573134	62760	NaOxal		2.99E-03				
573134	7601549	PO4		1.11E-01				
573134	7647145	Na		9.15E-01				
573134	12808798	SO4		1.47E-01				
573134	13943583	FeCN		5.66E-03				
573134	14797558	NO3		1.94E+00				
573135	67663	Chlor	1.00E-08			3.84E-05		3.84E-05
573135	7440382	As	1.00E-08			2.86E-04		2.86E-04
573136	144627	Oxalate		4.26E-02				
573136	6484522	NH4NO3		2.28E-01				
573136	7440382	As	6.00E-09			1.72E-04		1.72E-04
573136	7447407	K		2.84E-01				

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Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
573136	7601549	PO4		1.03E-01				
573136	7647145	Na		1.24E+00				
573136	7697372	HNO3		6.31E-03				
573136	7782414	F		1.78E-01				
573136	10588019	NaCr2		1.26E-03			1.00E-01	9.54E-02
573136	12608798	SO4		1.19E-02				
573136	13473900	AlNO3		1.78E-02				
573136	14797558	NO3	1.00E-04	1.27E-01				
573137	144627	Oxalate		7.61E-03				
573137	506876	NH4CO3		1.05E-02				
573137	1302427	NaAl		2.42E-01				
573137	6484522	NH4NO3		2.02E-02				
573137	7440382	As	1.00E-08			2.86E-04		2.86E-04
573137	7447407	K		5.07E-02				
573137	7601549	PO4		9.94E-02				
573137	7647145	Na		4.34E-01				
573137	7664939	H2SO4		1.77E-01				
573137	7782414	F		3.34E-02				
573137	12608798	SO4		4.48E-02				
573137	13943583	FeCN		3.66E-03				
573137	14797558	NO3	4.50E-05	7.05E-01				
573137	Nitrite	NO2		1.91E-04				
573138	57125	Cyanide	5.00E-07					
573138	7440382	As	6.00E-09			1.72E-04		1.72E-04
573138	14797558	NO3	2.50E-04					
573139	7440382	As	6.00E-09			1.72E-04		1.72E-04
573139	14797558	NO3	1.00E-04					
573149	14797558	NO3	2.00E-05					
573150	14797558	NO3	4.50E-05					
573151	62760	NaOxal		1.12E-03				
573151	5329146	NaSulfam		1.12E-03				
573151	7440473	CRVI	1.00E-06			7.11E-01		5.09E-01
573151	7632044	KBO2		4.73E-02				
573151	10588019	NaCr2		2.54E-04			2.02E-02	2.00E-02
573151	14797558	NO3	4.50E-05					
573152	7440473	CRVI	1.00E-06			7.11E-01		5.09E-01
573152	10588019	NaCr2		5.08E-06			4.04E-04	4.04E-04
573152	14797558	NO3	1.00E-04					
574134	7440382	As	6.00E-09			1.72E-04		1.72E-04
574134	14797558	NO3	2.00E-05					
574135	7440382	As	6.00E-09			1.72E-04		1.72E-04

Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
574135	14797558	NO3	1.00E-04					
574136	78466	TBPPH		9.26E-02				
574136	7440382	As	1.00E-08			2.86E-04		2.86E-04
574136	7647145	Na		1.98E-02				
574136	7697372	HNO3		5.68E-02				
574136	14797558	NO3	4.50E-05	1.43E-02				
574137	7440382	As	1.00E-08			2.86E-04		2.86E-04
574138	57125	Cyanide	2.00E-07					
574138	14797558	NO3	1.00E-04					
574139	14797558	NO3	5.10E-08					
574140	14797558	NO3	4.60E-08					
574149	14797558	NO3	2.00E-05					
574150	14797558	NO3	2.00E-05					
574151	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
574151	14797558	NO3	4.50E-05					
574152	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
574152	10588019	NaCr2		9.80E-06			7.80E-04	7.80E-04
574152	14797558	NO3	1.00E-04					
574153	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
574153	14797558	NO3	2.00E-05					
575134	7440382	As	6.00E-09			1.72E-04		1.72E-04
575134	14797558	NO3	2.00E-05					
575135	126738	TBP		7.95E-02			2.91E-05	2.91E-05
575135	6484522	NH4NO3		4.34E-02				
575135	7440382	As	1.00E-08			2.86E-04		2.86E-04
575135	7440473	CRVI	2.00E-07			1.42E-01		1.33E-01
575135	7647145	Na		1.28E-03				
575135	10588019	NaCr2		3.72E-05			2.96E-03	2.96E-03
575135	12808798	SO4		1.77E-03				
575135	14797558	NO3	2.50E-04	3.31E-02				
575136	126738	TBP		4.06E-01			1.49E-04	1.49E-04
575136	506876	NH4CO3		2.59E-02				
575136	7440382	As	1.00E-08			2.86E-04		2.86E-04
575136	7440473	CRVI	2.00E-07			1.42E-01		1.33E-01
575136	14797558	NO3	1.00E-04	9.83E-03				
575137	7440382	As	6.00E-09			1.72E-04		1.72E-04
575139	14797558	NO3	1.00E-04					
575140	14797558	NO3	4.50E-05					
575152	7440473	CRVI	5.00E-08			3.56E-02		3.49E-02
575152	14797558	NO3	2.00E-05					
575153	7440473	CRVI	5.00E-08			3.56E-02		3.49E-02

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Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
576130	14797558	NO3	2.00E-05					
576131	14797558	NO3	2.00E-05					
576132	14797558	NO3	2.00E-05					
576133	14797558	NO3	2.00E-05					
576134	7440382	As	6.00E-09			1.72E-04		1.72E-04
576135	7440382	As	2.00E-08			5.72E-04		5.72E-04
576136	7440382	As	1.00E-08			2.86E-04		2.86E-04
576137	7440382	As	6.00E-09			1.72E-04		1.72E-04
576139	14797558	NO3	1.00E-04					
576140	14797558	NO3	4.50E-05					
576152	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
576152	14797558	NO3	2.00E-05					
576153	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
576153	14797558	NO3	2.00E-05					
576154	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
577130	14797558	NO3	2.00E-05					
577131	14797558	NO3	2.00E-05					
577132	14797558	NO3	2.00E-05					
577133	14797558	NO3	2.00E-05					
577135	7440382	As	6.00E-09			1.72E-04		1.72E-04
577136	7440382	As	1.00E-08			2.86E-04		2.86E-04
577137	7440382	As	6.00E-09			1.72E-04		1.72E-04
577146	14797558	NO3	2.00E-05					
577147	14797558	NO3	2.00E-05					
577148	14797558	NO3	2.00E-05					
577152	62760	NaOxal		9.39E-03				
577152	5329146	NaSulfam		9.39E-03				
577152	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
577152	10588019	NaCr2		2.98E-04			2.37E-02	2.34E-02
577152	14797558	NO3	2.00E-05					
577153	14797558	NO3	2.00E-05					
578125	14797558	NO3	2.00E-05					
578129	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
578129	14797558	NO3	2.00E-05					
578130	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
578130	7440382	As	6.00E-09			1.72E-04		1.72E-04
578130	14797558	NO3	2.00E-05					
578131	14797558	NO3	2.00E-05					
578132	14797558	NO3	2.00E-05					
578133	14797558	NO3	2.00E-05					
578134	14797558	NO3	2.00E-05					

Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
578145	14797558	NO3	2.00E-05					
578146	79016	TriChlor	3.50E-08			2.91E-05		2.91E-05
578146	14797558	NO3	4.50E-05					
578147	79016	TriChlor	3.50E-08			2.91E-05		2.91E-05
578147	14797558	NO3	4.50E-05					
578148	14797558	NO3	4.50E-05					
578149	14797558	NO3	2.00E-05					
578151	14797558	NO3	2.00E-05					
578152	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
578152	10588019	NaCr2		1.45E-05			1.15E-03	1.15E-03
578152	14797558	NO3	4.50E-05					
578153	7440473	CRVI	1.00E-07			7.11E-02		6.86E-02
579129	79016	TriChlor	5.00E-09			4.16E-06		4.16E-06
579129	14797558	NO3	2.00E-05					
579130	79016	TriChlor	2.50E-08			2.08E-05		2.08E-05
579130	7440382	As	6.00E-09			1.72E-04		1.72E-04
579130	14797558	NO3	2.00E-05					
579131	7440382	As	6.00E-09			1.72E-04		1.72E-04
579131	14797558	NO3	2.00E-05					
579132	14797558	NO3	2.00E-05					
579133	14797558	NO3	2.00E-05					
579134	14797558	NO3	2.00E-05					
579145	14797558	NO3	4.50E-05					
579146	79016	TriChlor	3.50E-08			2.91E-05		2.91E-05
579146	14797558	NO3	1.00E-04					
579147	79016	TriChlor	3.50E-08			2.91E-05		2.91E-05
579147	14797558	NO3	1.00E-04					
579148	14797558	NO3	4.50E-05					
579149	14797558	NO3	2.00E-05					
580128	14797558	NO3	2.00E-05					
580129	14797558	NO3	2.00E-05					
580130	14797558	NO3	2.00E-05					
580131	14797558	NO3	2.00E-05					
580132	14797558	NO3	2.00E-05					
580133	14797558	NO3	2.00E-05					
580142	14797558	NO3	2.00E-05					
580143	14797558	NO3	2.00E-05					
580144	14797558	NO3	4.50E-05					
580145	14797558	NO3	1.00E-04					
580146	79016	TriChlor	2.00E-08			1.66E-05		1.66E-05
580146	14797558	NO3	1.00E-04					

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Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
580147	62760	NaOxal		5.22E-02				
580147	79016	TriChlor	2.00E-08			1.66E-05		1.66E-05
580147	5329146	NaSulfam		5.22E-02				
580147	7664939	SulfAcid		2.41E-04				
580147	10588019	NaCr2		4.52E-05			3.60E-03	3.60E-03
580147	14797558	NO3	1.00E-04					
580148	14797558	NO3	2.00E-05					
581127	14797558	NO3	2.00E-05					
581128	14797558	NO3	2.00E-05					
581129	14797558	NO3	2.00E-05					
581130	14797558	NO3	2.00E-05					
581131	14797558	NO3	2.00E-05					
581132	14797558	NO3	2.00E-05					
581142	14797558	NO3	4.50E-05					
581143	14797558	NO3	4.50E-05					
581144	14797558	NO3	1.00E-04					
581145	14797558	NO3	1.00E-04					
581146	79016	TriChlor	9.00E-09			7.49E-06		7.49E-06
581146	14797558	NO3	1.00E-04					
581147	79016	TriChlor	1.40E-08			1.16E-05		1.16E-05
581147	10588019	NaCr2		8.66E-06			6.89E-04	6.89E-04
581147	14797558	NO3	4.50E-05					
581148	14797558	NO3	2.00E-05					
582127	14797558	NO3	2.00E-05					
582128	14797558	NO3	2.00E-05					
582129	14797558	NO3	2.00E-05					
582130	14797558	NO3	2.00E-05					
582131	14797558	NO3	2.00E-05					
582132	14797558	NO3	2.00E-05					
582142	14797558	NO3	4.50E-05					
582143	14797558	NO3	1.00E-04					
582144	14797558	NO3	1.00E-04					
582145	14797558	NO3	1.00E-04					
582146	14797558	NO3	4.50E-05					
583125	14797558	NO3	2.00E-06					
583126	14797558	NO3	2.00E-05					
583127	14797558	NO3	2.00E-05					
583128	14797558	NO3	2.00E-05					
583129	14797558	NO3	2.00E-05					
583130	14797558	NO3	2.00E-05					
583131	14797558	NO3	2.00E-05					

Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
583141	14797558	NO3	2.00E-05					
583142	14797558	NO3	4.50E-05					
583143	14797558	NO3	1.00E-04					
583144	14797558	NO3	1.00E-04					
584123	14797558	NO3	2.00E-05					
584124	14797558	NO3	2.00E-05					
584125	14797558	NO3	2.00E-05					
584126	14797558	NO3	2.00E-05					
584127	14797558	NO3	2.00E-05					
584128	14797558	NO3	2.00E-05					
584129	14797558	NO3	2.00E-05					
584130	14797558	NO3	2.00E-05					
584131	14797558	NO3	2.00E-05					
584141	14797558	NO3	4.50E-05					
584142	14797558	NO3	4.50E-05					
585124	14797558	NO3	2.00E-05					
585125	14797558	NO3	2.00E-05					
585126	14797558	NO3	2.00E-05					
585127	14797558	NO3	2.00E-05					
585128	14797558	NO3	2.00E-05					
585129	14797558	NO3	2.00E-05					
585130	14797558	NO3	2.00E-05					
585131	14797558	NO3	2.00E-05					
586123	14797558	NO3	2.00E-05					
586124	14797558	NO3	2.00E-05					
586125	14797558	NO3	2.00E-05					
586126	14797558	NO3	2.00E-05					
586127	14797558	NO3	4.50E-05					
586128	14797558	NO3	4.50E-05					
586129	14797558	NO3	4.50E-05					
586130	14797558	NO3	4.50E-05					
586131	14797558	NO3	2.00E-05					
586132	14797558	NO3	2.00E-05					
586133	14797558	NO3	2.00E-05					
586134	14797558	NO3	2.00E-05					
587124	14797558	NO3	2.00E-05					
587126	14797558	NO3	2.00E-05					
587127	14797558	NO3	4.50E-05					
587128	14797558	NO3	4.50E-05					
587129	14797558	NO3	4.50E-05					
587130	14797558	NO3	4.50E-05					

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Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
587131	14797558	NO3	2.00E-05					
587134	14797558	NO3	2.00E-05					
588123	14797558	NO3	2.00E-05					
588124	14797558	NO3	2.00E-05					
588125	14797558	NO3	2.00E-05					
588126	14797558	NO3	2.00E-05					
588127	14797558	NO3	4.50E-05					
588128	14797558	NO3	4.50E-05					
588129	14797558	NO3	4.50E-05					
588131	14797558	NO3	2.00E-05					
588132	14797558	NO3	2.00E-05					
588133	14797558	NO3	2.00E-05					
588134	14797558	NO3	2.00E-05					
588137	14797558	NO3	2.00E-05					
588138	14797558	NO3	2.00E-05					
589122	14797558	NO3	2.00E-05					
589123	14797558	NO3	2.00E-05					
589124	14797558	NO3	2.00E-05					
589125	14797558	NO3	2.00E-05					
589126	14797558	NO3	2.00E-05					
589127	14797558	NO3	2.00E-05					
589128	14797558	NO3	2.00E-05					
589130	14797558	NO3	4.50E-05					
589131	14797558	NO3	4.50E-05					
589132	14797558	NO3	2.00E-05					
589133	14797558	NO3	2.00E-05					
589134	14797558	NO3	2.00E-05					
589135	14797558	NO3	2.00E-05					
589136	14797558	NO3	2.00E-05					
589137	14797558	NO3	2.00E-05					
589138	14797558	NO3	2.00E-05					
591122	108101	MIBK		1.81E-02				
591122	7440611	U		1.20E-02				
591122	14797558	NO3		6.02E-03				
594115	7439921	PbII		2.73E-05				
594115	7439976	Hg		4.54E-07				
594115	7440020	NiII		1.36E-04			6.99E-07	6.99E-07
594115	7440224	AgI		1.38E-05				
594115	7440417	Be		4.54E-07			4.53E-06	4.53E-06
594115	7440439	CdII		9.08E-07			1.33E-05	1.33E-05
594115	7440473	CRVI		4.54E-05			3.61E-03	3.61E-03

Table B6-3. Carcinogenic Chemical Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
594115	7440508	CuII		9.08E-04				
594115	7646857	ZnII		4.54E-05				
594115	7782414	F		9.08E-05				

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Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
560144	H3	H3	1.00E-12				1.25E-06			1.25E-06
560145	H3	H3	1.00E-12				1.25E-06			1.25E-06
560146	H3	H3	1.00E-12				1.25E-06			1.25E-06
561144	H3	H3	1.00E-12				1.25E-06			1.25E-06
561145	H3	H3	1.00E-12				1.25E-06			1.25E-06
561146	H3	H3	1.00E-12				1.25E-06			1.25E-06
562144	H3	H3	1.00E-12				1.25E-06			1.25E-06
562145	H3	H3	1.00E-12				1.25E-06			1.25E-06
562146	H3	H3	1.00E-12				1.25E-06			1.25E-06
563143	H3	H3	1.00E-12				1.25E-06			1.25E-06
563144	H3	H3	1.00E-12				1.25E-06			1.25E-06
563145	H3	H3	1.00E-12				1.25E-06			1.25E-06
563146	H3	H3	1.00E-12				1.25E-06			1.25E-06
564143	C14	C14			4.75E-12				1.36E-08	1.36E-08
564143	Co60	Co60			4.08E-09				2.10E-01	2.10E-01
564143	Cs137	Cs137			1.04E-11				3.60E-04	3.60E-04
564143	Eu152	Eu152			1.03E-10				4.55E-03	4.55E-03
564143	Eu154	Eu154			1.68E-10				6.33E-03	6.33E-03
564143	H3	H3	1.00E-12		2.32E-08		1.25E-06		1.37E-08	1.26E-06
564143	Ni63	Ni63			7.09E-10				2.27E-07	2.27E-07
564143	Sr90	Sr90			1.04E-11				1.10E-05	1.10E-05
564143	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
564144	H3	H3	1.00E-12				1.25E-06			1.25E-06
564144	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
564145	H3	H3	1.00E-12				1.25E-06			1.25E-06
565133	Cs137	Cs137			1.31E-09				4.53E-02	4.53E-02
565133	Pu239	Pu239			2.85E-10				3.28E-03	3.28E-03
565133	Ru106	Ru106			5.63E-17				4.39E-11	4.39E-11
565133	Sr90	Sr90			1.51E-09				1.60E-03	1.60E-03
565133	U235	U235			9.26E-14				5.67E-07	5.67E-07
565133	U238	U238			1.32E-11				2.51E-05	2.51E-05
565134	Cs137	Cs137			5.07E-12				1.75E-04	1.75E-04
565134	H3	H3			3.85E-09				2.28E-09	2.28E-09
565134	Ru106	Ru106			4.88E-25				3.81E-19	3.81E-19
565134	Sr90	Sr90			3.12E-12				3.31E-06	3.31E-06
565135	H3	H3	1.00E-12				1.25E-06			1.25E-06
565136	H3	H3	1.00E-12				1.25E-06			1.25E-06
565143	C14	C14			2.21E-11				6.32E-08	6.32E-08
565143	Co60	Co60			2.21E-09				1.14E-01	1.14E-01
565143	Cs137	Cs137			7.54E-12				2.61E-04	2.61E-04
565143	Eu152	Eu152			7.44E-11				3.29E-03	3.29E-03
565143	Eu154	Eu154			1.22E-10				4.60E-03	4.60E-03

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
565143	H3	H3	1.00E-12		4.36E-11		1.25E-06		2.58E-11	1.25E-06
565143	Ni63	Ni63			3.87E-10				1.24E-07	1.24E-07
565143	Sr90	Sr90			7.54E-12				7.99E-06	7.99E-06
565143	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
565144	Co60	Co60			6.43E-10				3.31E-02	3.31E-02
565144	Cs134	Cs134			3.77E-14				4.67E-07	4.67E-07
565144	Cs137	Cs137			4.19E-11				1.45E-03	1.45E-03
565144	Eu152	Eu152			2.86E-11				1.26E-03	1.26E-03
565144	Eu154	Eu154			2.15E-12				8.11E-05	8.11E-05
565144	Eu155	Eu155			6.38E-12				2.12E-06	2.12E-06
565144	H3	H3	1.00E-12		4.95E-09		1.25E-06		2.93E-09	1.25E-06
565144	Ni63	Ni63			8.04E-12				2.57E-09	2.57E-09
565144	Pu238	Pu238			5.68E-13				5.91E-06	5.91E-06
565144	Pu239	Pu239			6.33E-13				7.28E-06	7.28E-06
565144	Pu240	Pu240			1.08E-13				1.24E-06	1.24E-06
565144	Sr90	Sr90	8.00E-15		1.77E-11		9.36E-06		1.88E-05	2.81E-05
565144	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
565144	U235	U235			5.88E-15				3.60E-08	3.60E-08
565144	U238	U238			7.04E-13				1.34E-06	1.34E-06
565145	Co60	Co60			5.63E-11				2.89E-03	2.89E-03
565145	Cs134	Cs134			2.12E-13				2.63E-06	2.63E-06
565145	Cs137	Cs137			3.03E-11				1.05E-03	1.05E-03
565145	Eu152	Eu152			1.30E-10				5.75E-03	5.75E-03
565145	Eu154	Eu154			4.24E-11				1.60E-03	1.60E-03
565145	Eu155	Eu155			3.40E-12				1.13E-06	1.13E-06
565145	H3	H3	1.00E-12		7.14E-13		1.25E-06		4.23E-13	1.25E-06
565145	Pu238	Pu238			9.05E-15				9.41E-08	9.41E-08
565145	Pu239	Pu239			6.93E-13				7.97E-06	7.97E-06
565145	Pu240	Pu240			2.10E-14				2.42E-07	2.42E-07
565145	Sr90	Sr90	5.00E-14		2.28E-12		5.85E-05		2.42E-06	6.09E-05
565145	U235	U235			1.31E-13				8.02E-07	8.02E-07
565145	U238	U238			3.00E-14				5.70E-08	5.70E-08
566133	Am241	Am241			6.19E-11				7.24E-04	7.24E-04
566133	Cs137	Cs137			5.15E-09				1.78E-01	1.78E-01
566133	H3	H3	2.00E-11				2.50E-05			2.50E-05
566133	Pu238	Pu238			1.44E-11				1.50E-04	1.50E-04
566133	Pu239	Pu239			1.12E-09				1.29E-02	1.29E-02
566133	Pu240	Pu240			1.25E-10				1.44E-03	1.44E-03
566133	Pu241	Pu241			1.77E-09				3.81E-04	3.81E-04
566133	Pu242	Pu242			1.07E-14				1.17E-07	1.17E-07
566133	Ru106	Ru106			5.64E-12				4.40E-06	4.40E-06
566133	Sr90	Sr90			6.19E-09				6.56E-03	6.56E-03

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Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
566133	Tc99	Tc99	5.00E-12				2.22E-04			2.22E-04
566133	U235	U235			1.86E-14				1.14E-07	1.14E-07
566133	U238	U238			2.64E-12				5.02E-06	5.02E-06
566134	Am241	Am241			3.37E-09				3.94E-02	3.94E-02
566134	Cs137	Cs137			2.07E-07				7.16E+00	1.00E+00
566134	H3	H3	1.50E-09		1.90E-08		1.88E-03		1.12E-08	1.88E-03
566134	Pu238	Pu238			7.84E-10				8.15E-03	8.15E-03
566134	Pu239	Pu239			7.67E-08				8.82E-01	8.82E-01
566134	Pu240	Pu240			1.09E-08				1.25E-01	1.25E-01
566134	Pu241	Pu241			9.60E-08				2.06E-02	2.06E-02
566134	Pu242	Pu242			5.80E-13				6.32E-06	6.32E-06
566134	Ru106	Ru106			2.49E-15				1.94E-09	1.94E-09
566134	Sr90	Sr90			2.10E-07				2.23E-01	2.23E-01
566134	Tc99	Tc99	5.00E-12				2.22E-04			2.22E-04
566134	U235	U235			1.07E-12				6.55E-06	6.55E-06
566134	U238	U238			1.52E-10				2.89E-04	2.89E-04
566135	Am241	Am241			1.07E-08				1.25E-01	1.25E-01
566135	Cs137	Cs137			1.34E-08				4.64E-01	4.64E-01
566135	H3	H3	2.00E-11		6.88E-11		2.50E-05		4.07E-11	2.50E-05
566135	Pu238	Pu238			2.45E-09				2.55E-02	2.55E-02
566135	Pu239	Pu239			1.97E-07				2.27E+00	1.00E+00
566135	Pu240	Pu240			2.19E-08				2.52E-01	2.52E-01
566135	Pu241	Pu241			2.72E-07				5.85E-02	5.85E-02
566135	Pu242	Pu242			1.88E-12				2.05E-05	2.05E-05
566135	Ru106	Ru106			1.92E-15				1.50E-09	1.50E-09
566135	Sr90	Sr90			1.35E-08				1.43E-02	1.43E-02
566135	Tc99	Tc99	2.50E-12				1.11E-04			1.11E-04
566135	U235	U235			3.61E-15				2.21E-08	2.21E-08
566135	U238	U238			5.13E-13				9.75E-07	9.75E-07
566136	Am241	Am241			6.65E-09				7.78E-02	7.78E-02
566136	Co60	Co60			1.11E-12				5.71E-05	5.71E-05
566136	Cs137	Cs137			5.45E-08				1.89E+00	1.00E+00
566136	H3	H3	2.00E-11				2.50E-05			2.50E-05
566136	Pm147	Pm147			4.61E-12				8.25E-10	8.25E-10
566136	Pu238	Pu238			1.56E-09				1.62E-02	1.62E-02
566136	Pu239	Pu239			5.97E-08				6.87E-01	6.87E-01
566136	Pu240	Pu240			1.35E-08				1.55E-01	1.55E-01
566136	Pu241	Pu241			2.00E-07				4.30E-02	4.30E-02
566136	Pu242	Pu242			1.15E-12				1.25E-05	1.25E-05
566136	Ru106	Ru106			1.51E-14				1.18E-08	1.18E-08
566136	Sr90	Sr90			3.28E-08				3.48E-02	3.48E-02
566136	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
566136	Th232	Th232			1.01E-10				4.34E-03	4.34E-03
566136	U235	U235			2.13E-11				1.30E-04	1.30E-04
566136	U238	U238			4.71E-10				8.95E-04	8.95E-04
566137	Am241	Am241			2.89E-13				3.38E-06	3.38E-06
566137	Cs137	Cs137			1.86E-10				6.44E-03	6.44E-03
566137	H3	H3	1.00E-12				1.25E-06			1.25E-06
566137	Pu238	Pu238			6.76E-14				7.03E-07	7.03E-07
566137	Pu239	Pu239			5.27E-12				6.06E-05	6.06E-05
566137	Pu240	Pu240			5.85E-13				6.73E-06	6.73E-06
566137	Pu241	Pu241			8.30E-12				1.78E-06	1.78E-06
566137	Pu242	Pu242			5.02E-17				5.47E-10	5.47E-10
566137	Ru106	Ru106			1.02E-17				7.96E-12	7.96E-12
566137	Sr90	Sr90			1.52E-10				1.61E-04	1.61E-04
566137	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
566137	U235	U235			1.92E-14				1.18E-07	1.18E-07
566137	U238	U238			2.73E-12				5.19E-06	5.19E-06
566142	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
566143	H3	H3	1.00E-12				1.25E-06			1.25E-06
566143	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
566144	H3	H3	1.00E-12				1.25E-06			1.25E-06
566144	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
566145	H3	H3	1.00E-12				1.25E-06			1.25E-06
566145	Sr90	Sr90	5.00E-14				5.85E-05			5.85E-05
566145	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
566146	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
567132	H3	H3	2.00E-11				2.50E-05			2.50E-05
567133	Am241	Am241			1.07E-10				1.25E-03	1.25E-03
567133	Cs137	Cs137			1.19E-08				4.12E-01	4.12E-01
567133	H3	H3	2.50E-09		1.59E-11		3.13E-03		9.41E-12	3.13E-03
567133	I129	I129	1.00E-14				5.63E-05			5.63E-05
567133	Pu238	Pu238			2.51E-11				2.61E-04	2.61E-04
567133	Pu239	Pu239			1.95E-09				2.24E-02	2.24E-02
567133	Pu240	Pu240			2.18E-10				2.51E-03	2.51E-03
567133	Pu241	Pu241			3.10E-09				6.67E-04	6.67E-04
567133	Pu242	Pu242			1.86E-14				2.03E-07	2.03E-07
567133	Ru106	Ru106			5.44E-17				4.24E-11	4.24E-11
567133	Sr90	Sr90			9.03E-09				9.57E-03	9.57E-03
567133	Tc99	Tc99	5.00E-12				2.22E-04			2.22E-04
567133	U235	U235			3.84E-14				2.35E-07	2.35E-07
567133	U238	U238			5.44E-12				1.03E-05	1.03E-05
567134	Am241	Am241			2.34E-10				2.74E-03	2.74E-03
567134	Cs137	Cs137			1.41E-07				4.88E+00	1.00E+00

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Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
567134	H3	H3	2.50E-09		7.56E-14		3.13E-03		4.48E-14	3.13E-03
567134	I129	I129	2.00E-14				1.13E-04			1.13E-04
567134	Pu238	Pu238			5.47E-11				5.69E-04	5.69E-04
567134	Pu239	Pu239			4.26E-09				4.90E-02	4.90E-02
567134	Pu240	Pu240			4.74E-10				5.45E-03	5.45E-03
567134	Pu241	Pu241			6.70E-09				1.44E-03	1.44E-03
567134	Pu242	Pu242			4.06E-14				4.43E-07	4.43E-07
567134	Ru106	Ru106			1.31E-14				1.02E-08	1.02E-08
567134	Sr90	Sr90			1.64E-07				1.74E-01	1.74E-01
567134	Tc99	Tc99	2.00E-11				8.88E-04			8.88E-04
567134	U235	U235			2.69E-12				1.65E-05	1.65E-05
567134	U238	U238	2.00E-12		3.82E-10		1.59E-02		7.26E-04	1.66E-02
567135	Am241	Am241			4.61E-10				5.39E-03	5.39E-03
567135	Cs137	Cs137			1.91E-08				6.61E-01	6.61E-01
567135	H3	H3	3.00E-12				3.75E-06			3.75E-06
567135	I129	I129	5.00E-15				2.81E-05			2.81E-05
567135	Pu238	Pu238			1.08E-10				1.12E-03	1.12E-03
567135	Pu239	Pu239			8.41E-09				9.67E-02	9.67E-02
567135	Pu240	Pu240			9.38E-10				1.08E-02	1.08E-02
567135	Pu241	Pu241			1.32E-08				2.84E-03	2.84E-03
567135	Pu242	Pu242			8.01E-14				8.73E-07	8.73E-07
567135	Ru106	Ru106			1.19E-15				9.28E-10	9.28E-10
567135	Sr90	Sr90			1.48E-08				1.57E-02	1.57E-02
567135	Tc99	Tc99	2.00E-11				8.88E-04			8.88E-04
567135	U235	U235			1.09E-11				6.67E-05	6.67E-05
567135	U238	U238	2.00E-12		1.53E-09		1.59E-02		2.91E-03	1.88E-02
567136	Am241	Am241			2.18E-08				2.55E-01	2.55E-01
567136	Cs137	Cs137			3.77E-07				1.30E+01	1.00E+00
567136	H3	H3	2.00E-11				2.50E-05			2.50E-05
567136	I129	I129	1.00E-15				5.63E-06			5.63E-06
567136	Pu238	Pu238			5.10E-09				5.30E-02	5.30E-02
567136	Pu239	Pu239			3.97E-07				4.57E+00	1.00E+00
567136	Pu240	Pu240			4.43E-08				5.09E-01	5.09E-01
567136	Pu241	Pu241			6.25E-07				1.34E-01	1.34E-01
567136	Pu242	Pu242			3.78E-12				4.12E-05	4.12E-05
567136	Ru106	Ru106			1.01E-16				7.88E-11	7.88E-11
567136	Sr90	Sr90			3.80E-07				4.03E-01	4.03E-01
567136	Tc99	Tc99	9.00E-13				4.00E-05			4.00E-05
567136	U235	U235			1.82E-13				1.11E-06	1.11E-06
567136	U238	U238	1.00E-13		2.43E-11		7.94E-04		4.62E-05	8.40E-04
567137	Am241	Am241			3.54E-10				4.14E-03	4.14E-03
567137	Cs137	Cs137			2.33E-08				8.06E-01	8.06E-01

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
567137	H3	H3	2.00E-10				2.50E-04			2.50E-04
567137	I129	I129	1.00E-15				5.63E-06			5.63E-06
567137	Pu238	Pu238			8.30E-11				8.63E-04	8.63E-04
567137	Pu239	Pu239			3.40E-09				3.91E-02	3.91E-02
567137	Pu240	Pu240			7.16E-10				8.23E-03	8.23E-03
567137	Pu241	Pu241			1.06E-08				2.28E-03	2.28E-03
567137	Pu242	Pu242			6.14E-14				6.69E-07	6.69E-07
567137	Ru106	Ru106			5.03E-16				3.92E-10	3.92E-10
567137	Sr90	Sr90			2.26E-08				2.40E-02	2.40E-02
567137	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
567137	U235	U235			3.39E-13				2.07E-06	2.07E-06
567137	U238	U238	1.00E-13		7.84E-12		7.94E-04		1.49E-05	8.09E-04
567142	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
567143	H3	H3	1.00E-12				1.25E-06			1.25E-06
567143	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
567144	H3	H3	1.00E-12				1.25E-06			1.25E-06
567144	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
567145	H3	H3	1.00E-12				1.25E-06			1.25E-06
567145	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
567146	H3	H3	1.00E-12				1.25E-06			1.25E-06
568132	H3	H3	2.00E-11				2.50E-05			2.50E-05
568132	I129	I129	1.00E-15				5.63E-06			5.63E-06
568133	H3	H3	1.50E-09				1.88E-03			1.88E-03
568133	I129	I129	2.00E-14				1.13E-04			1.13E-04
568134	H3	H3	2.50E-09				3.13E-03			3.13E-03
568134	I129	I129	2.00E-14				1.13E-04			1.13E-04
568134	Tc99	Tc99	1.00E-11				4.44E-04			4.44E-04
568134	U238	U238	1.00E-13				7.94E-04			7.94E-04
568135	H3	H3	3.00E-12				3.75E-06			3.75E-06
568135	I129	I129	1.00E-15				5.63E-06			5.63E-06
568135	Tc99	Tc99	1.00E-11				4.44E-04			4.44E-04
568135	U238	U238	1.00E-13				7.94E-04			7.94E-04
568136	H3	H3	2.00E-11				2.50E-05			2.50E-05
568136	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
568137	H3	H3	2.00E-11				2.50E-05			2.50E-05
568137	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
568142	H3	H3	2.00E-11				2.50E-05			2.50E-05
568142	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
568143	H3	H3	2.00E-11				2.50E-05			2.50E-05
568143	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
568144	H3	H3	1.00E-12				1.25E-06			1.25E-06
568144	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06

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Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
568145	H3	H3	1.00E-12				1.25E-06			1.25E-06
568146	C14	C14			8.99E-11				2.57E-07	2.57E-07
568146	Co60	Co60			5.38E-14				2.77E-06	2.77E-06
568146	Cs134	Cs134			9.40E-17				1.17E-09	1.17E-09
568146	Cs137	Cs137			3.22E-13				1.11E-05	1.11E-05
568146	Eu152	Eu152			5.93E-13				2.62E-05	2.62E-05
568146	Eu154	Eu154			1.28E-13				4.83E-06	4.83E-06
568146	Eu155	Eu155			7.74E-14				2.57E-08	2.57E-08
568146	H3	H3	1.00E-12		5.68E-11		1.25E-06		3.36E-11	1.25E-06
568146	Sr90	Sr90	8.00E-15		4.94E-14		9.36E-06		5.24E-08	9.41E-06
568146	U238	U238			9.45E-17				1.80E-10	1.80E-10
568147	H3	H3	1.00E-12				1.25E-06			1.25E-06
569132	H3	H3	2.00E-11				2.50E-05			2.50E-05
569132	I129	I129	1.00E-15				5.63E-06			5.63E-06
569133	H3	H3	2.00E-10				2.50E-04			2.50E-04
569133	I129	I129	2.00E-14				1.13E-04			1.13E-04
569134	H3	H3	2.00E-10				2.50E-04			2.50E-04
569134	I129	I129	2.00E-14				1.13E-04			1.13E-04
569134	Tc99	Tc99	9.00E-13				4.00E-05			4.00E-05
569135	H3	H3	2.00E-10				2.50E-04			2.50E-04
569135	I129	I129	1.00E-15				5.63E-06			5.63E-06
569135	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
569136	H3	H3	2.00E-11				2.50E-05			2.50E-05
569136	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
569140	Cs137	Cs137			8.41E-09				2.91E-01	2.91E-01
569140	Ru106	Ru106			2.73E-20				2.13E-14	2.13E-14
569140	Sr90	Sr90			8.07E-09				8.55E-03	8.55E-03
569142	H3	H3	2.00E-11				2.50E-05			2.50E-05
569142	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
569143	H3	H3	2.00E-11				2.50E-05			2.50E-05
569143	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
569144	H3	H3	1.00E-12				1.25E-06			1.25E-06
569144	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
569145	H3	H3	1.00E-12				1.25E-06			1.25E-06
569146	C14	C14			6.33E-11				1.81E-07	1.81E-07
569146	Co60	Co60			9.55E-10				4.91E-02	4.91E-02
569146	Cs134	Cs134			1.06E-16				1.31E-09	1.31E-09
569146	Cs137	Cs137			5.48E-12				1.90E-04	1.90E-04
569146	Eu152	Eu152			2.37E-11				1.05E-03	1.05E-03
569146	Eu154	Eu154			3.73E-11				1.41E-03	1.41E-03
569146	Eu155	Eu155			3.03E-14				1.01E-08	1.01E-08
569146	H3	H3	2.00E-10		3.07E-11		2.50E-04		1.82E-11	2.50E-04

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
569146	Ni63	Ni63			2.17E-10				6.94E-08	6.94E-08
569146	Pu239	Pu239			1.38E-13				1.59E-06	1.59E-06
569146	Pu240	Pu240			9.30E-15				1.07E-07	1.07E-07
569146	Sr90	Sr90			5.83E-12				5.97E-06	5.97E-06
569146	U235	U235			1.19E-17				7.28E-11	7.28E-11
569146	U238	U238			1.23E-15				2.34E-09	2.34E-09
569147	C14	C14			4.28E-12				1.22E-08	1.22E-08
569147	Co60	Co60			1.85E-10				8.48E-03	8.48E-03
569147	Cs134	Cs134			1.03E-12				1.28E-05	1.28E-05
569147	Cs137	Cs137			7.34E-10				2.54E-02	2.54E-02
569147	Eu152	Eu152			2.87E-09				1.27E-01	1.27E-01
569147	Eu154	Eu154			7.49E-10				2.82E-02	2.82E-02
569147	Eu155	Eu155			2.97E-11				9.86E-06	9.86E-06
569147	H3	H3	2.00E-10		6.08E-11		2.50E-04		3.60E-11	2.50E-04
569147	Ni63	Ni63			8.53E-10				2.09E-07	2.09E-07
569147	Pu238	Pu238			8.84E-13				9.19E-06	9.19E-06
569147	Pu239	Pu239			2.21E-11				2.54E-04	2.54E-04
569147	Pu240	Pu240			2.45E-12				2.82E-05	2.82E-05
569147	Sr90	Sr90	8.00E-15		4.18E-11		9.36E-06		4.43E-05	5.37E-05
569147	U235	U235			1.33E-14				8.14E-08	8.14E-08
569147	U238	U238			1.51E-12				2.87E-06	2.87E-06
569148	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
570132	H3	H3	2.00E-11				2.50E-05			2.50E-05
570132	I129	I129	1.00E-15				5.63E-06			5.63E-06
570133	H3	H3	2.00E-10				2.50E-04			2.50E-04
570133	I129	I129	1.00E-15				5.63E-06			5.63E-06
570134	H3	H3	2.00E-10				2.50E-04			2.50E-04
570134	I129	I129	1.00E-15				5.63E-06			5.63E-06
570134	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
570135	H3	H3	2.00E-10				2.50E-04			2.50E-04
570135	I129	I129	1.00E-15				5.63E-06			5.63E-06
570135	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
570136	H3	H3	2.00E-11				2.50E-05			2.50E-05
570136	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
570139	H3	H3	1.00E-12				1.25E-06			1.25E-06
570139	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
570140	Am241	Am241			1.06E-12				1.24E-05	1.24E-05
570140	Cs137	Cs137			7.74E-11				2.68E-03	2.68E-03
570140	H3	H3	2.00E-11				2.50E-05			2.50E-05
570140	Pu238	Pu238			2.48E-13				2.58E-06	2.58E-06
570140	Pu239	Pu239			1.93E-11				2.22E-04	2.22E-04
570140	Pu240	Pu240			2.15E-12				2.47E-05	2.47E-05

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Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
570140	Pu241	Pu241			3.05E-11				6.56E-06	6.56E-06
570140	Pu242	Pu242			1.84E-16				2.01E-09	2.01E-09
570140	Ru106	Ru106			2.92E-22				2.28E-16	2.28E-16
570140	Sr90	Sr90			7.44E-11				7.89E-05	7.89E-05
570140	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
570140	U235	U235			1.70E-15				1.04E-08	1.04E-08
570140	U238	U238			2.41E-13				4.58E-07	4.58E-07
570141	H3	H3	2.00E-11				2.50E-05			2.50E-05
570141	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
570142	H3	H3	2.00E-11				2.50E-05			2.50E-05
570142	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
570143	H3	H3	2.00E-11				2.50E-05			2.50E-05
570143	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
570144	H3	H3	1.00E-12				1.25E-06			1.25E-06
570144	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
570145	H3	H3	1.00E-12				1.25E-06			1.25E-06
570146	H3	H3	1.00E-12				1.25E-06			1.25E-06
570147	H3	H3	1.00E-12				1.25E-06			1.25E-06
570148	H3	H3	1.00E-12				1.25E-06			1.25E-06
570149	H3	H3	1.00E-12				1.25E-06			1.25E-06
571132	H3	H3	1.00E-12				1.25E-06			1.25E-06
571133	H3	H3	2.00E-11				2.50E-05			2.50E-05
571134	H3	H3	2.00E-11				2.50E-05			2.50E-05
571135	H3	H3	2.00E-11				2.50E-05			2.50E-05
571136	H3	H3	2.00E-11				2.50E-05			2.50E-05
571137	H3	H3	2.00E-11				2.50E-05			2.50E-05
571139	H3	H3	1.00E-12				1.25E-06			1.25E-06
571139	Tc99	Tc99	9.00E-13				4.00E-05			4.00E-05
571140	Am241	Am241			1.55E-12				1.81E-05	1.81E-05
571140	Cs137	Cs137			1.13E-10				3.91E-03	3.91E-03
571140	H3	H3	1.00E-12				1.25E-06			1.25E-06
571140	Pu238	Pu238			3.61E-13				3.75E-06	3.75E-06
571140	Pu239	Pu239			2.81E-11				3.23E-04	3.23E-04
571140	Pu240	Pu240			3.14E-12				3.61E-05	3.61E-05
571140	Pu241	Pu241			4.44E-11				9.55E-06	9.55E-06
571140	Pu242	Pu242			2.68E-16				2.92E-09	2.92E-09
571140	Ru106	Ru106			4.27E-22				3.33E-16	3.33E-16
571140	Sr90	Sr90			1.09E-10				1.16E-04	1.16E-04
571140	Tc99	Tc99	9.00E-13				4.00E-05			4.00E-05
571140	U235	U235			2.48E-15				1.52E-08	1.52E-08
571140	U238	U238			3.52E-13				6.69E-07	6.69E-07
571141	H3	H3	2.00E-11				2.50E-05			2.50E-05

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
571141	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
571142	H3	H3	2.00E-11				2.50E-05			2.50E-05
571142	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
571143	H3	H3	1.00E-12				1.25E-06			1.25E-06
571143	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
571144	H3	H3	1.00E-12				1.25E-06			1.25E-06
571144	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
571145	H3	H3	1.00E-12				1.25E-06			1.25E-06
571146	H3	H3	1.00E-12				1.25E-06			1.25E-06
571147	H3	H3	1.00E-12				1.25E-06			1.25E-06
571148	H3	H3	1.00E-12				1.25E-06			1.25E-06
571149	Ce144	Ce144			1.23E-14				1.56E-09	1.56E-09
571149	Co60	Co60			1.15E-08				5.91E-01	5.91E-01
571149	Cs134	Cs134			6.23E-11				7.73E-04	7.73E-04
571149	Cs137	Cs137			1.25E-08				4.33E-01	4.33E-01
571149	H3	H3	2.00E-11		2.66E-12		2.50E-05		1.57E-12	2.50E-05
571149	Mn54	Mn54			3.09E-14				8.87E-08	8.87E-08
571149	Nb95	Nb95			1.02E-28				2.95E-23	2.95E-23
571149	Pu239	Pu239			1.08E-10				1.24E-03	1.24E-03
571149	Ru103	Ru103			4.97E-27				9.24E-22	9.24E-22
571149	Ru106	Ru106			3.30E-11				2.57E-05	2.57E-05
571149	Sr90	Sr90	1.00E-12		9.35E-09		1.17E-03		9.91E-03	1.11E-02
571149	Tc99	Tc99			4.18E-12				7.61E-09	7.61E-09
571150	H3	H3	2.00E-11				2.50E-05			2.50E-05
571150	Sr90	Sr90	5.00E-14				5.85E-05			5.85E-05
572133	H3	H3	1.00E-12				1.25E-06			1.25E-06
572134	H3	H3	1.00E-12				1.25E-06			1.25E-06
572135	H3	H3	2.00E-11				2.50E-05			2.50E-05
572136	H3	H3	2.00E-11				2.50E-05			2.50E-05
572137	H3	H3	2.00E-10				2.50E-04			2.50E-04
572137	Tc99	Tc99	9.00E-13				4.00E-05			4.00E-05
572138	H3	H3	1.00E-12				1.25E-06			1.25E-06
572138	I129	I129	1.00E-15				5.63E-06			5.63E-06
572138	Tc99	Tc99	9.00E-13				4.00E-05			4.00E-05
572139	H3	H3	1.00E-12				1.25E-06			1.25E-06
572139	Tc99	Tc99	9.00E-13				4.00E-05			4.00E-05
572140	H3	H3	1.00E-12				1.25E-06			1.25E-06
572140	Tc99	Tc99	9.00E-13				4.00E-05			4.00E-05
572141	H3	H3	1.00E-12				1.25E-06			1.25E-06
572142	H3	H3	1.00E-12				1.25E-06			1.25E-06
572142	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
572143	H3	H3	1.00E-12				1.25E-06			1.25E-06

9613459.2523

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
572143	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
572144	H3	H3	1.00E-12				1.25E-06			1.25E-06
572145	H3	H3	1.00E-12				1.25E-06			1.25E-06
572146	H3	H3	1.00E-12				1.25E-06			1.25E-06
572147	H3	H3	1.00E-12				1.25E-06			1.25E-06
572148	H3	H3	1.00E-12				1.25E-06			1.25E-06
572149	H3	H3	2.00E-11				2.50E-05			2.50E-05
572149	Sr90	Sr90	5.00E-14				5.85E-05			5.85E-05
572150	C14	C14			3.87E-12				1.11E-08	1.11E-08
572150	Co60	Co60			3.18E-09				1.63E-01	1.63E-01
572150	Cs137	Cs137			8.44E-12				2.92E-04	2.92E-04
572150	Eu152	Eu152			8.24E-11				3.64E-03	3.64E-03
572150	Eu154	Eu154			1.27E-10				4.79E-03	4.79E-03
572150	H3	H3	2.00E-11		1.74E-11		2.50E-05		1.03E-11	2.50E-05
572150	Ni63	Ni63			5.53E-10				1.77E-07	1.77E-07
572150	Sr90	Sr90			8.44E-12				8.95E-06	8.95E-06
572151	H3	H3	1.00E-12				1.25E-06			1.25E-06
573134	Am241	Am241			1.43E-10				1.67E-03	1.67E-03
573134	Cs137	Cs137			9.43E-07				3.26E+01	1.00E+00
573134	H3	H3	1.00E-12				1.25E-06			1.25E-06
573134	Pu238	Pu238			3.34E-11				3.47E-04	3.47E-04
573134	Pu239	Pu239			2.60E-09				2.99E-02	2.99E-02
573134	Pu240	Pu240			2.90E-10				3.34E-03	3.34E-03
573134	Pu241	Pu241			4.11E-09				8.84E-04	8.84E-04
573134	Pu242	Pu242			2.48E-14				2.70E-07	2.70E-07
573134	Ru106	Ru106			1.88E-15				1.47E-09	1.47E-09
573134	Sr90	Sr90			8.58E-07				9.09E-01	9.09E-01
573134	U235	U235			1.02E-12				6.24E-06	6.24E-06
573134	U238	U238			1.44E-10				2.74E-04	2.74E-04
573135	H3	H3	2.00E-10				2.50E-04			2.50E-04
573135	I129	I129	1.00E-15				5.63E-06			5.63E-06
573136	Am241	Am241			9.89E-10				1.16E-02	1.16E-02
573136	Co60	Co60			3.16E-09				1.62E-01	1.62E-01
573136	Cs137	Cs137			9.94E-08				3.44E+00	1.00E+00
573136	Cs137	Cs137	1.20E-13				9.95E-05			9.95E-05
573136	H3	H3	2.00E-10		5.38E-10		2.50E-04		3.18E-10	2.50E-04
573136	I129	I129	1.00E-15				5.63E-06			5.63E-06
573136	Pu238	Pu238			2.31E-10				2.40E-03	2.40E-03
573136	Pu239	Pu239			5.85E-08				6.73E-01	6.73E-01
573136	Pu240	Pu240			2.00E-09				2.30E-02	2.30E-02
573136	Pu241	Pu241			2.84E-08				6.11E-03	6.11E-03
573136	Pu242	Pu242			1.71E-13				1.86E-06	1.86E-06

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
573136	Ru106	Ru106			1.55E-13				1.21E-07	1.21E-07
573136	Sr90	Sr90	2.50E-12		3.93E-08		2.92E-03		4.17E-02	4.46E-02
573136	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
573136	U235	U235			1.82E-10				1.11E-03	1.11E-03
573136	U238	U238			2.23E-10				4.24E-04	4.24E-04
573137	Am241	Am241			4.61E-10				5.39E-03	5.39E-03
573137	Cs137	Cs137			1.94E-07				6.71E+00	1.00E+00
573137	H3	H3	2.00E-10				2.50E-04			2.50E-04
573137	I129	I129	1.00E-14				5.63E-05			5.63E-05
573137	Pu238	Pu238			1.06E-10				1.10E-03	1.10E-03
573137	Pu239	Pu239			9.32E-09				1.07E-01	1.07E-01
573137	Pu240	Pu240			9.43E-10				1.08E-02	1.08E-02
573137	Pu241	Pu241			1.23E-08				2.64E-03	2.64E-03
573137	Pu242	Pu242			8.07E-14				8.80E-07	8.80E-07
573137	Ru106	Ru106			8.69E-17				6.78E-11	6.78E-11
573137	Sr90	Sr90			2.43E-07				2.56E-01	2.58E-01
573137	Tc99	Tc99	2.50E-12				1.11E-04			1.11E-04
573137	U235	U235			1.16E-13				7.10E-07	7.10E-07
573137	U238	U238			6.88E-12				1.31E-05	1.31E-05
573138	Co60	Co60	1.00E-13				4.42E-05			4.42E-05
573138	H3	H3	1.00E-12				1.25E-06			1.25E-06
573138	Tc99	Tc99	2.00E-11				8.88E-04			8.88E-04
573139	Co60	Co60	1.00E-13				4.42E-05			4.42E-05
573139	H3	H3	1.00E-12				1.25E-06			1.25E-06
573139	Tc99	Tc99	2.50E-12				1.11E-04			1.11E-04
573140	H3	H3	1.00E-12				1.25E-06			1.25E-06
573140	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
573141	CO60	Cobalt		2.64E-14				5.81E-05		5.81E-05
573141	CS137	Cesium 134		9.64E-15				1.70E-04		1.70E-04
573141	H3	H3	1.00E-12				1.25E-06			1.25E-06
573141	H3	Tritium		5.12E-12				6.50E-06		6.50E-06
573141	RU106	Ruthenium		7.97E-13				4.51E-04		4.51E-04
573141	SR90	Strontium		1.93E-14				3.32E-05		3.32E-05
573141	TC99	Technecium		1.07E-12				5.40E-05		5.40E-05
573142	H3	H3	1.00E-12				1.25E-06			1.25E-06
573142	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
573143	H3	H3	1.00E-12				1.25E-06			1.25E-06
573143	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
573144	H3	H3	1.00E-12				1.25E-06			1.25E-06
573145	H3	H3	1.00E-12				1.25E-06			1.25E-06
573146	H3	H3	1.00E-12				1.25E-06			1.25E-06
573147	H3	H3	1.00E-12				1.25E-06			1.25E-06

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
573148	H3	H3	1.00E-12				1.25E-06			1.25E-06
573149	H3	H3	2.00E-11				2.50E-05			2.50E-05
573150	Co60	Co60			1.80E-10				9.25E-03	9.25E-03
573150	H3	H3	2.00E-11				2.50E-05			2.50E-05
573151	C14	C14			1.42E-12				4.06E-09	4.06E-09
573151	Co60	Co60			1.29E-09				6.63E-02	6.63E-02
573151	Cs134	Cs134			5.96E-16				7.42E-09	7.42E-09
573151	Cs137	Cs137			6.08E-12				2.10E-04	2.10E-04
573151	Eu152	Eu152			2.92E-11				1.29E-03	1.29E-03
573151	Eu154	Eu154			4.43E-11				1.67E-03	1.67E-03
573151	Eu155	Eu155			4.06E-13				1.35E-07	1.35E-07
573151	H3	H3	2.00E-11		8.59E-12		2.50E-05		5.09E-12	2.50E-05
573151	Ni63	Ni63			1.14E-10				3.65E-08	3.65E-08
573151	Pu239	Pu239			6.13E-14				7.05E-07	7.05E-07
573151	Pu240	Pu240			6.78E-15				7.80E-08	7.80E-08
573151	Sr90	Sr90	8.00E-15		3.31E-12		9.36E-06		3.51E-06	1.29E-05
573151	U235	U235			1.13E-16				6.92E-10	6.92E-10
573151	U238	U238			1.41E-14				2.68E-08	2.68E-08
573152	Co60	Co60			7.14E-13				3.67E-05	3.67E-05
573152	Cs134	Cs134			4.77E-16				5.91E-09	5.91E-09
573152	Cs137	Cs137			9.75E-12				3.37E-04	3.37E-04
573152	Eu152	Eu152			4.97E-12				2.20E-04	2.20E-04
573152	Eu154	Eu154			7.89E-13				2.97E-05	2.97E-05
573152	Eu155	Eu155			5.33E-14				1.77E-08	1.77E-08
573152	H3	H3	1.00E-12		4.18E-13		1.25E-06		2.47E-13	1.25E-06
573152	Pu238	Pu238			6.78E-16				7.05E-09	7.05E-09
573152	Pu239	Pu239			6.58E-14				7.57E-07	7.57E-07
573152	Pu240	Pu240			2.58E-15				2.97E-08	2.97E-08
573152	Sr90	Sr90			2.57E-13				2.72E-07	2.72E-07
573152	U235	U235			3.12E-14				1.91E-07	1.91E-07
573152	U238	U238			2.05E-14				3.89E-08	3.89E-08
574132	H3	H3	1.00E-12				1.25E-06			1.25E-06
574133	H3	H3	1.00E-12				1.25E-06			1.25E-06
574134	H3	H3	2.00E-10				2.50E-04			2.50E-04
574134	I129	I129	1.00E-15				5.63E-06			5.63E-06
574134	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
574134	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
574135	Am241	Am241			1.41E-10				1.65E-03	1.65E-03
574135	Cs137	Cs137			4.10E-09				1.42E-01	1.42E-01
574135	H3	H3	2.50E-09		2.90E-07		3.13E-03		1.72E-07	3.13E-03
574135	I129	I129	2.00E-14		1.68E-12		1.13E-04		5.88E-07	1.13E-04
574135	Pm147	Pm147			4.90E-12				8.77E-10	8.77E-10

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
574135	Pu238	Pu238			3.56E-11				3.70E-04	3.70E-04
574135	Pu239	Pu239			1.64E-09				1.89E-02	1.89E-02
574135	Pu240	Pu240			2.63E-10				3.02E-03	3.02E-03
574135	Pu241	Pu241			4.52E-09				9.72E-04	9.72E-04
574135	Pu242	Pu242			2.24E-14				2.44E-07	2.44E-07
574135	Ru106	Ru106			4.84E-12				3.78E-06	3.78E-06
574135	Sr90	Sr90	8.00E-15		4.13E-09		9.36E-06		4.38E-03	4.39E-03
574135	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
574135	U235	U235			1.04E-13				6.36E-07	6.36E-07
574135	U238	U238			3.35E-12				6.36E-06	6.36E-06
574136	Am241	Am241			3.77E-10				4.41E-03	4.41E-03
574136	Cs137	Cs137			1.27E-09				4.39E-02	4.39E-02
574136	Eu154	Eu154			7.05E-18				2.66E-10	2.66E-10
574136	H3	H3	2.50E-09				3.13E-03			3.13E-03
574136	I129	I129	5.00E-15				2.81E-05			2.81E-05
574136	Pu238	Pu238			8.86E-11				9.21E-04	9.21E-04
574136	Pu239	Pu239			3.34E-09				3.84E-02	3.84E-02
574136	Pu240	Pu240			7.61E-10				8.75E-03	8.75E-03
574136	Pu241	Pu241			1.14E-08				2.45E-03	2.45E-03
574136	Pu242	Pu242			6.53E-14				7.12E-07	7.12E-07
574136	Ru106	Ru106			8.52E-17				6.65E-11	6.65E-11
574136	Sr90	Sr90			2.40E-09				2.54E-03	2.54E-03
574136	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
574136	U235	U235			1.02E-13				6.24E-07	6.24E-07
574136	U238	U238			2.95E-12				5.61E-06	5.61E-06
574137	H3	H3	2.00E-11				2.50E-05			2.50E-05
574137	I129	I129	1.00E-15				5.63E-06			5.63E-06
574137	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
574138	Co60	Co60	1.00E-13				4.42E-05			4.42E-05
574138	H3	H3	1.00E-12				1.25E-06			1.25E-06
574138	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
574138	Tc99	Tc99	5.00E-12				2.22E-04			2.22E-04
574139	Am241	Am241			1.07E-11				1.25E-04	1.25E-04
574139	Cs137	Cs137			2.55E-09				8.82E-02	8.82E-02
574139	H3	H3	1.00E-12		8.07E-10		1.25E-06		4.78E-10	1.25E-06
574139	Pm147	Pm147			5.45E-12				9.76E-10	9.76E-10
574139	Pu238	Pu238			2.49E-12				2.59E-05	2.59E-05
574139	Pu239	Pu239			1.99E-10				2.29E-03	2.29E-03
574139	Pu240	Pu240			2.16E-11				2.48E-04	2.48E-04
574139	Pu241	Pu241			3.07E-10				6.60E-05	6.60E-05
574139	Pu242	Pu242			1.85E-15				2.02E-08	2.02E-08
574139	Ru106	Ru106			8.14E-16				4.79E-10	4.79E-10

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Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
574139	Sr90	Sr90	8.00E-15		2.75E-09		9.36E-06		2.92E-03	2.92E-03
574139	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
574139	U235	U235			1.13E-13				6.92E-07	6.92E-07
574139	U238	U238			1.60E-11				3.04E-05	3.04E-05
574140	H3	H3	1.00E-12				1.25E-06			1.25E-06
574140	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
574141	H3	H3	1.00E-12				1.25E-06			1.25E-06
574142	H3	H3	1.00E-12				1.25E-06			1.25E-06
574143	H3	H3	1.00E-12				1.25E-06			1.25E-06
574144	H3	H3	1.00E-12				1.25E-06			1.25E-06
574145	H3	H3	1.00E-12				1.25E-06			1.25E-06
574146	H3	H3	1.00E-12				1.25E-06			1.25E-06
574147	H3	H3	1.00E-12				1.25E-06			1.25E-06
574148	H3	H3	1.00E-12				1.25E-06			1.25E-06
574149	H3	H3	2.00E-11				2.50E-05			2.50E-05
574150	H3	H3	2.00E-11				2.50E-05			2.50E-05
574151	H3	H3	2.00E-11				2.50E-05			2.50E-05
574152	Co60	Co60			1.61E-10				8.28E-03	8.28E-03
574152	Cs134	Cs134			1.56E-13				1.93E-06	1.93E-06
574152	Cs137	Cs137			2.96E-09				1.02E-01	1.02E-01
574152	Eu152	Eu152			1.09E-09				4.82E-02	4.82E-02
574152	Eu154	Eu154			1.77E-10				6.67E-03	6.67E-03
574152	Eu155	Eu155			1.51E-11				5.01E-06	5.01E-06
574152	H3	H3	1.00E-12		8.84E-11		1.25E-06		5.23E-11	1.25E-06
574152	Pu239	Pu239			7.69E-12				8.84E-05	8.84E-05
574152	Pu240	Pu240			8.54E-13				9.82E-06	9.82E-06
574152	Sr90	Sr90			6.78E-11				7.19E-05	7.19E-05
574152	U235	U235			5.88E-14				3.60E-07	3.60E-07
574152	U238	U238			6.78E-12				1.29E-05	1.29E-05
574153	H3	H3	1.00E-12				1.25E-06			1.25E-06
574154	H3	H3	1.00E-12				1.25E-06			1.25E-06
575131	H3	H3	1.00E-12				1.25E-06			1.25E-06
575132	H3	H3	2.00E-11				2.50E-05			2.50E-05
575133	H3	H3	2.00E-11				2.50E-05			2.50E-05
575134	H3	H3	2.00E-10				2.50E-04			2.50E-04
575134	I129	I129	1.00E-15				5.63E-06			5.63E-06
575134	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
575134	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
575135	Am241	Am241			1.94E-10				2.27E-03	2.27E-03
575135	Cs137	Cs137			1.38E-07				4.77E+00	1.00E+00
575135	H3	H3	2.50E-09		6.14E-08		3.13E-03		3.63E-08	3.13E-03
575135	I129	I129	2.00E-14		3.65E-13		1.13E-04		1.28E-07	1.13E-04

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
575135	Pm147	Pm147			7.22E-11				1.29E-08	1.29E-08
575135	Pu238	Pu238			4.24E-11				4.41E-04	4.41E-04
575135	Pu239	Pu239			3.32E-09				3.82E-02	3.82E-02
575135	Pu240	Pu240			3.69E-10				4.24E-03	4.24E-03
575135	Pu241	Pu241			5.24E-09				1.13E-03	1.13E-03
575135	Pu242	Pu242			3.15E-14				3.43E-07	3.43E-07
575135	Ru106	Ru106			9.49E-11				7.40E-05	7.40E-05
575135	Sn113	Sn113			1.79E-13				2.18E-10	2.18E-10
575135	Sr90	Sr90	8.00E-15		1.35E-07		9.36E-06		1.43E-01	1.43E-01
575135	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
575135	U235	U235			2.33E-13				1.43E-06	1.43E-06
575135	U238	U238			3.30E-11				6.27E-05	6.27E-05
575136	Am241	Am241			7.05E-12				8.25E-05	8.25E-05
575136	Cs137	Cs137			3.10E-08				1.07E+00	1.00E+00
575136	H3	H3	2.00E-11		6.53E-12		2.50E-05		3.87E-12	2.50E-05
575136	I129	I129	5.00E-15				2.81E-05			2.81E-05
575136	Pu238	Pu238			1.65E-12				1.72E-05	1.72E-05
575136	Pu239	Pu239			1.29E-10				1.48E-03	1.48E-03
575136	Pu240	Pu240			1.44E-11				1.66E-04	1.66E-04
575136	Pu241	Pu241			2.03E-10				4.36E-05	4.36E-05
575136	Pu242	Pu242			1.23E-15				1.34E-08	1.34E-08
575136	Ru106	Ru106			9.09E-16				7.09E-10	7.09E-10
575136	Sr90	Sr90	8.00E-15		1.76E-08		9.36E-06		1.87E-02	1.87E-02
575136	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
575136	U235	U235			1.82E-12				1.11E-05	1.11E-05
575136	U238	U238			2.59E-10				4.92E-04	4.92E-04
575137	Am241	Am241			4.11E-12				4.81E-05	4.81E-05
575137	Cs137	Cs137			3.24E-12				1.12E-04	1.12E-04
575137	H3	H3	2.00E-11				2.50E-05			2.50E-05
575137	I129	I129	1.00E-15				5.63E-06			5.63E-06
575137	Pu238	Pu238			9.66E-13				1.00E-05	1.00E-05
575137	Pu239	Pu239			3.64E-11				4.19E-04	4.19E-04
575137	Pu240	Pu240			8.30E-12				9.54E-05	9.54E-05
575137	Pu241	Pu241			1.24E-10				2.67E-05	2.67E-05
575137	Pu242	Pu242			7.10E-16				7.74E-09	7.74E-09
575137	Ru106	Ru106			7.22E-21				5.63E-15	5.63E-15
575137	Sr90	Sr90	8.00E-15		2.89E-12		9.36E-06		3.06E-06	1.24E-05
575137	U235	U235			9.43E-16				5.77E-09	5.77E-09
575137	U238	U238			2.07E-14				3.93E-08	3.93E-08
575139	H3	H3	1.00E-12				1.25E-06			1.25E-06
575139	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
575140	H3	H3	1.00E-12				1.25E-06			1.25E-06

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Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
575140	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
575141	H3	H3	1.00E-12				1.25E-06			1.25E-06
575142	H3	H3	1.00E-12				1.25E-06			1.25E-06
575143	H3	H3	1.00E-12				1.25E-06			1.25E-06
575144	H3	H3	1.00E-12				1.25E-06			1.25E-06
575145	H3	H3	1.00E-12				1.25E-06			1.25E-06
575146	H3	H3	1.00E-12				1.25E-06			1.25E-06
575147	H3	H3	1.00E-12				1.25E-06			1.25E-06
575148	H3	H3	1.00E-12				1.25E-06			1.25E-06
575149	H3	H3	1.00E-12				1.25E-06			1.25E-06
575150	H3	H3	1.00E-12				1.25E-06			1.25E-06
575152	H3	H3	1.00E-12				1.25E-06			1.25E-06
575153	H3	H3	1.00E-12				1.25E-06			1.25E-06
575154	H3	H3	1.00E-12				1.25E-06			1.25E-06
576130	H3	H3	1.00E-12				1.25E-06			1.25E-06
576131	H3	H3	2.00E-11				2.50E-05			2.50E-05
576132	H3	H3	2.00E-10				2.50E-04			2.50E-04
576132	I129	I129	1.00E-15				5.63E-06			5.63E-06
576133	H3	H3	2.00E-10				2.50E-04			2.50E-04
576133	I129	I129	1.00E-15				5.63E-06			5.63E-06
576134	H3	H3	2.00E-11				2.50E-05			2.50E-05
576134	I129	I129	1.00E-15				5.63E-06			5.63E-06
576135	H3	H3	2.00E-11				2.50E-05			2.50E-05
576135	I129	I129	1.00E-15				5.63E-06			5.63E-06
576136	Am241	Am241			4.70E-11				5.50E-04	5.50E-04
576136	Be7	Beryllium 7		1.55E-13				1.64E-07		1.64E-07
576136	CO60	Cobalt		4.74E-15				1.04E-05		1.04E-05
576136	CS134	Cesium 134		7.33E-15				1.88E-04		1.88E-04
576136	Cs137	Cs137			9.32E-10				3.22E-02	3.22E-02
576136	EU154	Europium 154		1.29E-14				4.52E-06		4.52E-06
576136	EU155	Europium 155		2.34E-14				5.97E-07		5.97E-07
576136	H3	H3	2.00E-11		5.74E-10		2.50E-05		3.40E-10	2.50E-05
576136	H3	Tritium		4.69E-12				5.96E-06		5.96E-06
576136	I129	I129	1.00E-15				5.63E-06			5.63E-06
576136	K40	Potassium		7.14E-13				2.61E-03		2.61E-03
576136	Pm147	Pm147			5.41E-17				9.68E-15	9.68E-15
576136	Pu238	Pu238			2.45E-12				2.55E-05	2.55E-05
576136	Pu239	Pu239			2.85E-10				3.28E-03	3.28E-03
576136	Pu240	Pu240			3.00E-11				3.45E-04	3.45E-04
576136	Pu241	Pu241			4.95E-11				1.06E-05	1.06E-05
576136	Pu242	Pu242			2.57E-15				2.80E-08	2.80E-08
576136	Ru106	Ru106			7.95E-25				6.20E-19	6.20E-19

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
576136	RU106	Ruthenium		8.34E-14				4.72E-05		4.72E-05
576136	Sr90	Sr90			9.20E-10				9.75E-04	9.75E-04
576136	TC99	Technecium		3.55E-09				1.79E-01		1.79E-01
576136	U235	U235			1.32E-13				8.08E-07	8.08E-07
576136	U238	U238			1.88E-11				3.57E-05	3.57E-05
576136	ZN65	Zinc		1.45E-14				9.50E-05		9.50E-05
576137	H3	H3	2.00E-11				2.50E-05			2.50E-05
576137	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
576138	H3	H3	1.00E-12				1.25E-06			1.25E-06
576139	H3	H3	1.00E-12				1.25E-06			1.25E-06
576139	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
576140	H3	H3	1.00E-12				1.25E-06			1.25E-06
576142	H3	H3	1.00E-12				1.25E-06			1.25E-06
576143	H3	H3	1.00E-12				1.25E-06			1.25E-06
576144	H3	H3	1.00E-12				1.25E-06			1.25E-06
576145	H3	H3	1.00E-12				1.25E-06			1.25E-06
576146	H3	H3	1.00E-12				1.25E-06			1.25E-06
576147	H3	H3	1.00E-12				1.25E-06			1.25E-06
576148	H3	H3	1.00E-12				1.25E-06			1.25E-06
576149	H3	H3	1.00E-12				1.25E-06			1.25E-06
576150	H3	H3	1.00E-12				1.25E-06			1.25E-06
576151	H3	H3	1.00E-12				1.25E-06			1.25E-06
576152	H3	H3	1.00E-12				1.25E-06			1.25E-06
576153	H3	H3	1.00E-12				1.25E-06			1.25E-06
576154	H3	H3	1.00E-12				1.25E-06			1.25E-06
577128	H3	H3	1.00E-12				1.25E-06			1.25E-06
577129	H3	H3	1.00E-12				1.25E-06			1.25E-06
577130	H3	H3	2.00E-11				2.50E-05			2.50E-05
577131	H3	H3	2.00E-11				2.50E-05			2.50E-05
577132	H3	H3	2.00E-10				2.50E-04			2.50E-04
577132	I129	I129	1.00E-15				5.63E-06			5.63E-06
577133	H3	H3	2.00E-10				2.50E-04			2.50E-04
577133	I129	I129	5.00E-15				2.81E-05			2.81E-05
577134	H3	H3	2.00E-11				2.50E-05			2.50E-05
577134	I129	I129	1.00E-15				5.63E-06			5.63E-06
577135	H3	H3	2.00E-11				2.50E-05			2.50E-05
577136	H3	H3	2.00E-11				2.50E-05			2.50E-05
577137	H3	H3	2.00E-11				2.50E-05			2.50E-05
577138	H3	H3	1.00E-12				1.25E-06			1.25E-06
577139	H3	H3	1.00E-12				1.25E-06			1.25E-06
577140	H3	H3	1.00E-12				1.25E-06			1.25E-06
577142	H3	H3	1.00E-12				1.25E-06			1.25E-06

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
577143	H3	H3	1.00E-12				1.25E-06			1.25E-06
577144	H3	H3	1.00E-12				1.25E-06			1.25E-06
577145	H3	H3	1.00E-12				1.25E-06			1.25E-06
577146	H3	H3	1.00E-12				1.25E-06			1.25E-06
577147	H3	H3	1.00E-12				1.25E-06			1.25E-06
577148	H3	H3	1.00E-12				1.25E-06			1.25E-06
577149	H3	H3	1.00E-12				1.25E-06			1.25E-06
577150	H3	H3	1.00E-12				1.25E-06			1.25E-06
577151	H3	H3	1.00E-12				1.25E-06			1.25E-06
577152	C14	C14			2.48E-12				7.09E-09	7.09E-09
577152	Co60	Co60			1.42E-09				7.30E-02	7.30E-02
577152	Cs134	Cs134			4.09E-17				5.07E-10	5.07E-10
577152	Cs137	Cs137			8.78E-12				3.04E-04	3.04E-04
577152	Eu152	Eu152			5.35E-11				2.36E-03	2.36E-03
577152	Eu154	Eu154			7.01E-11				2.64E-03	2.64E-03
577152	Eu155	Eu155			1.26E-13				4.18E-08	4.18E-08
577152	H3	H3	2.00E-11		1.12E-11		2.50E-05		6.63E-12	2.50E-05
577152	Pu238	Pu238			5.13E-15				5.34E-08	5.34E-08
577152	Pu239	Pu239			1.77E-13				2.04E-06	2.04E-06
577152	Pu240	Pu240			1.46E-16				1.68E-09	1.68E-09
577152	Sr90	Sr90	8.00E-15		5.63E-12		9.36E-06		5.97E-06	1.53E-05
577152	U235	U235			1.76E-13				1.08E-06	1.08E-06
577152	U238	U238	2.00E-17		2.18E-14		1.59E-07		4.14E-08	2.00E-07
577153	H3	H3	1.00E-12				1.25E-06			1.25E-06
577153	U238	U238	4.00E-17				3.18E-07			3.18E-07
578127	H3	H3	1.00E-12				1.25E-06			1.25E-06
578128	H3	H3	1.00E-12				1.25E-06			1.25E-06
578129	H3	H3	2.00E-11				2.50E-05			2.50E-05
578130	H3	H3	2.00E-11				2.50E-05			2.50E-05
578131	H3	H3	2.00E-10				2.50E-04			2.50E-04
578131	I129	I129	1.00E-15				5.63E-06			5.63E-06
578132	H3	H3	2.00E-10				2.50E-04			2.50E-04
578132	I129	I129	1.00E-15				5.63E-06			5.63E-06
578133	H3	H3	2.00E-10				2.50E-04			2.50E-04
578133	I129	I129	1.00E-15				5.63E-06			5.63E-06
578134	H3	H3	2.00E-11				2.50E-05			2.50E-05
578135	H3	H3	2.00E-11				2.50E-05			2.50E-05
578136	H3	H3	2.00E-11				2.50E-05			2.50E-05
578137	H3	H3	1.00E-12				1.25E-06			1.25E-06
578138	H3	H3	1.00E-12				1.25E-06			1.25E-06
578139	H3	H3	1.00E-12				1.25E-06			1.25E-06
578142	H3	H3	1.00E-12				1.25E-06			1.25E-06

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
578143	H3	H3	1.00E-12				1.25E-06			1.25E-06
578144	H3	H3	1.00E-12				1.25E-06			1.25E-06
578145	H3	H3	1.00E-12				1.25E-06			1.25E-06
578146	H3	H3	1.00E-12				1.25E-06			1.25E-06
578147	H3	H3	1.00E-12				1.25E-06			1.25E-06
578148	H3	H3	1.00E-12				1.25E-06			1.25E-06
578149	H3	H3	1.00E-12				1.25E-06			1.25E-06
578150	H3	H3	1.00E-12				1.25E-06			1.25E-06
578151	H3	H3	1.00E-12				1.25E-06			1.25E-06
578152	C14	C14			5.59E-14				1.60E-10	1.60E-10
578152	Co60	Co60			9.70E-13				4.99E-05	4.99E-05
578152	Cs134	Cs134			1.59E-17				1.97E-10	1.97E-10
578152	Cs137	Cs137			6.16E-12				2.13E-04	2.13E-04
578152	Eu152	Eu152			1.29E-11				5.70E-04	5.70E-04
578152	Eu154	Eu154			5.50E-12				2.07E-04	2.07E-04
578152	Eu155	Eu155			1.26E-13				4.18E-08	4.18E-08
578152	H3	H3	1.00E-12		5.82E-14		1.25E-06		3.45E-14	1.25E-06
578152	Pu238	Pu238			5.94E-15				6.18E-08	6.18E-08
578152	Pu239	Pu239			1.50E-13				1.72E-06	1.72E-06
578152	Pu240	Pu240			9.27E-15				1.07E-07	1.07E-07
578152	Sr90	Sr90	8.00E-15		1.14E-12		9.36E-06		1.21E-06	1.06E-05
578152	U235	U235			6.83E-14				4.18E-07	4.18E-07
578152	U238	U238	4.00E-17		2.20E-13		3.18E-07		4.18E-07	7.36E-07
578153	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
579126	H3	H3	1.00E-12				1.25E-06			1.25E-06
579127	H3	H3	1.00E-12				1.25E-06			1.25E-06
579128	H3	H3	2.00E-11				2.50E-05			2.50E-05
579129	H3	H3	2.00E-11				2.50E-05			2.50E-05
579129	I129	I129	1.00E-15				5.63E-06			5.63E-06
579130	H3	H3	2.00E-10				2.50E-04			2.50E-04
579130	I129	I129	1.00E-15				5.63E-06			5.63E-06
579131	H3	H3	2.00E-10				2.50E-04			2.50E-04
579131	I129	I129	1.00E-15				5.63E-06			5.63E-06
579132	H3	H3	2.00E-10				2.50E-04			2.50E-04
579132	I129	I129	1.00E-15				5.63E-06			5.63E-06
579133	H3	H3	2.00E-11				2.50E-05			2.50E-05
579133	I129	I129	1.00E-15				5.63E-06			5.63E-06
579134	H3	H3	2.00E-11				2.50E-05			2.50E-05
579135	H3	H3	1.00E-12				1.25E-06			1.25E-06
579136	H3	H3	1.00E-12				1.25E-06			1.25E-06
579137	H3	H3	1.00E-12				1.25E-06			1.25E-06
579138	H3	H3	1.00E-12				1.25E-06			1.25E-06

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
579139	H3	H3	1.00E-12				1.25E-06			1.25E-06
579142	H3	H3	1.00E-12				1.25E-06			1.25E-06
579143	H3	H3	1.00E-12				1.25E-06			1.25E-06
579144	H3	H3	1.00E-12				1.25E-06			1.25E-06
579145	H3	H3	1.00E-12				1.25E-06			1.25E-06
579146	H3	H3	1.00E-12				1.25E-06			1.25E-06
579147	Co60	Co60			3.48E-10				1.79E-02	1.79E-02
579147	H3	H3	1.00E-12				1.25E-06			1.25E-06
579148	H3	H3	1.00E-12				1.25E-06			1.25E-06
579149	H3	H3	1.00E-12				1.25E-06			1.25E-06
579150	H3	H3	1.00E-12				1.25E-06			1.25E-06
579151	H3	H3	1.00E-12				1.25E-06			1.25E-06
580125	H3	H3	1.00E-12				1.25E-06			1.25E-06
580126	H3	H3	1.00E-12				1.25E-06			1.25E-06
580127	H3	H3	2.00E-11				2.50E-05			2.50E-05
580128	H3	H3	2.00E-11				2.50E-05			2.50E-05
580129	H3	H3	2.00E-11				2.50E-05			2.50E-05
580130	H3	H3	2.00E-10				2.50E-04			2.50E-04
580131	H3	H3	2.00E-10				2.50E-04			2.50E-04
580132	H3	H3	2.00E-10				2.50E-04			2.50E-04
580133	H3	H3	2.00E-11				2.50E-05			2.50E-05
580134	H3	H3	2.00E-11				2.50E-05			2.50E-05
580135	H3	H3	1.00E-12				1.25E-06			1.25E-06
580136	H3	H3	2.00E-11				2.50E-05			2.50E-05
580137	H3	H3	1.00E-12				1.25E-06			1.25E-06
580138	H3	H3	1.00E-12				1.25E-06			1.25E-06
580139	H3	H3	1.00E-12				1.25E-06			1.25E-06
580141	H3	H3	1.00E-12				1.25E-06			1.25E-06
580142	H3	H3	1.00E-12				1.25E-06			1.25E-06
580143	H3	H3	1.00E-12				1.25E-06			1.25E-06
580144	H3	H3	1.00E-12				1.25E-06			1.25E-06
580145	H3	H3	1.00E-12				1.25E-06			1.25E-06
580146	H3	H3	2.00E-11				2.50E-05			2.50E-05
580147	C14	C14			1.77E-12				5.06E-09	5.06E-09
580147	Co60	Co60			1.27E-09				6.53E-02	6.53E-02
580147	Cs134	Cs134			1.48E-15				1.84E-08	1.84E-08
580147	Cs137	Cs137			1.08E-11				3.74E-04	3.74E-04
580147	Eu152	Eu152			3.83E-11				1.69E-03	1.69E-03
580147	Eu154	Eu154			5.74E-11				2.16E-03	2.16E-03
580147	Eu155	Eu155			9.63E-14				3.20E-08	3.20E-08
580147	H3	H3	2.00E-11		1.32E-11		2.50E-05		7.81E-12	2.50E-05
580147	Ni63	Ni63			2.20E-10				7.04E-08	7.04E-08

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
580147	Pu238	Pu238			1.40E-15				1.46E-08	1.46E-08
580147	Pu239	Pu239			1.43E-13				1.64E-06	1.64E-06
580147	Pu240	Pu240			1.59E-14				1.83E-07	1.83E-07
580147	Sr90	Sr90	5.00E-14		3.23E-11		5.85E-05		3.42E-05	9.27E-05
580147	U235	U235			6.22E-16				3.81E-09	3.81E-09
580147	U238	U238			7.44E-14				1.41E-07	1.41E-07
580148	H3	H3	1.00E-12				1.25E-06			1.25E-06
580148	Sr90	Sr90	8.00E-15				9.36E-06			9.36E-06
581124	H3	H3	1.00E-12				1.25E-06			1.25E-06
581125	H3	H3	1.00E-12				1.25E-06			1.25E-06
581126	H3	H3	2.00E-11				2.50E-05			2.50E-05
581127	H3	H3	2.00E-11				2.50E-05			2.50E-05
581128	H3	H3	2.00E-11				2.50E-05			2.50E-05
581129	H3	H3	2.00E-11				2.50E-05			2.50E-05
581130	H3	H3	2.00E-11				2.50E-05			2.50E-05
581131	H3	H3	2.00E-11				2.50E-05			2.50E-05
581132	H3	H3	2.00E-11				2.50E-05			2.50E-05
581133	H3	H3	2.00E-11				2.50E-05			2.50E-05
581134	H3	H3	2.00E-11				2.50E-05			2.50E-05
581135	H3	H3	2.00E-11				2.50E-05			2.50E-05
581136	H3	H3	1.00E-12				1.25E-06			1.25E-06
581137	H3	H3	2.00E-11				2.50E-05			2.50E-05
581138	H3	H3	1.00E-12				1.25E-06			1.25E-06
581139	H3	H3	1.00E-12				1.25E-06			1.25E-06
581141	H3	H3	1.00E-12				1.25E-06			1.25E-06
581142	H3	H3	1.00E-12				1.25E-06			1.25E-06
581143	H3	H3	1.00E-12				1.25E-06			1.25E-06
581144	H3	H3	1.00E-12				1.25E-06			1.25E-06
581145	H3	H3	1.00E-12				1.25E-06			1.25E-06
581146	H3	H3	1.00E-12				1.25E-06			1.25E-06
581147	C14	C14			1.10E-13				3.15E-10	3.15E-10
581147	Co60	Co60			2.35E-12				1.21E-04	1.21E-04
581147	Cs134	Cs134			2.45E-16				3.04E-09	3.04E-09
581147	Cs137	Cs137			1.98E-12				6.85E-05	6.85E-05
581147	Eu152	Eu152			1.87E-11				8.27E-04	8.27E-04
581147	Eu154	Eu154			4.12E-12				1.55E-04	1.55E-04
581147	Eu155	Eu155			3.40E-13				1.13E-07	1.13E-07
581147	H3	H3	1.00E-12		8.54E-13		1.25E-06		5.06E-13	1.25E-06
581147	Pu238	Pu238			2.32E-17				2.41E-10	2.41E-10
581147	Pu239	Pu239			6.59E-13				7.58E-06	7.58E-06
581147	Pu240	Pu240			3.03E-15				3.48E-08	3.48E-08
581147	Sr90	Sr90	5.00E-14		2.28E-11		5.85E-05		2.42E-05	8.27E-05

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
581147	U235	U235			2.82E-14				1.73E-07	1.73E-07
581147	U238	U238			3.15E-14				5.99E-08	5.99E-08
581148	H3	H3	1.00E-12				1.25E-06			1.25E-06
582123	H3	H3	1.00E-12				1.25E-06			1.25E-06
582124	H3	H3	1.00E-12				1.25E-06			1.25E-06
582125	H3	H3	2.00E-11				2.50E-05			2.50E-05
582126	H3	H3	2.00E-11				2.50E-05			2.50E-05
582127	H3	H3	2.00E-11				2.50E-05			2.50E-05
582128	H3	H3	2.00E-11				2.50E-05			2.50E-05
582129	H3	H3	2.00E-11				2.50E-05			2.50E-05
582130	H3	H3	2.00E-11				2.50E-05			2.50E-05
582131	H3	H3	2.00E-11				2.50E-05			2.50E-05
582132	H3	H3	2.00E-11				2.50E-05			2.50E-05
582133	H3	H3	2.00E-11				2.50E-05			2.50E-05
582134	H3	H3	2.00E-11				2.50E-05			2.50E-05
582135	H3	H3	2.00E-11				2.50E-05			2.50E-05
582136	H3	H3	2.00E-11				2.50E-05			2.50E-05
582137	H3	H3	2.00E-11				2.50E-05			2.50E-05
582138	H3	H3	1.00E-12				1.25E-06			1.25E-06
582139	H3	H3	1.00E-12				1.25E-06			1.25E-06
582140	H3	H3	1.00E-12				1.25E-06			1.25E-06
582141	H3	H3	1.00E-12				1.25E-06			1.25E-06
582142	H3	H3	1.00E-12				1.25E-06			1.25E-06
582143	H3	H3	1.00E-12				1.25E-06			1.25E-06
582144	H3	H3	1.00E-12				1.25E-06			1.25E-06
582145	H3	H3	1.00E-12				1.25E-06			1.25E-06
582146	H3	H3	1.00E-12				1.25E-06			1.25E-06
582147	H3	H3	1.00E-12				1.25E-06			1.25E-06
583122	H3	H3	1.00E-12				1.25E-06			1.25E-06
583123	H3	H3	1.00E-12				1.25E-06			1.25E-06
583124	H3	H3	2.00E-11				2.50E-05			2.50E-05
583125	H3	H3	2.00E-11				2.50E-05			2.50E-05
583126	H3	H3	2.00E-11				2.50E-05			2.50E-05
583127	H3	H3	2.00E-11				2.50E-05			2.50E-05
583128	H3	H3	2.00E-11				2.50E-05			2.50E-05
583129	H3	H3	2.00E-11				2.50E-05			2.50E-05
583130	H3	H3	2.00E-11				2.50E-05			2.50E-05
583131	H3	H3	2.00E-11				2.50E-05			2.50E-05
583132	H3	H3	2.00E-11				2.50E-05			2.50E-05
583133	H3	H3	2.00E-11				2.50E-05			2.50E-05
583134	H3	H3	2.00E-11				2.50E-05			2.50E-05
583135	H3	H3	2.00E-11				2.50E-05			2.50E-05

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
583136	H3	H3	2.00E-11				2.50E-05			2.50E-05
583137	H3	H3	2.00E-11				2.50E-05			2.50E-05
583138	H3	H3	1.00E-12				1.25E-06			1.25E-06
583139	H3	H3	1.00E-12				1.25E-06			1.25E-06
583140	H3	H3	1.00E-12				1.25E-06			1.25E-06
583141	H3	H3	1.00E-12				1.25E-06			1.25E-06
583142	H3	H3	1.00E-12				1.25E-06			1.25E-06
583143	H3	H3	1.00E-12				1.25E-06			1.25E-06
583144	H3	H3	1.00E-12				1.25E-06			1.25E-06
584121	H3	H3	1.00E-12				1.25E-06			1.25E-06
584122	H3	H3	1.00E-12				1.25E-06			1.25E-06
584123	H3	H3	2.00E-11				2.50E-05			2.50E-05
584124	H3	H3	2.00E-11				2.50E-05			2.50E-05
584125	H3	H3	2.00E-11				2.50E-05			2.50E-05
584126	H3	H3	2.00E-11				2.50E-05			2.50E-05
584127	H3	H3	2.00E-11				2.50E-05			2.50E-05
584128	H3	H3	2.00E-11				2.50E-05			2.50E-05
584129	H3	H3	2.00E-11				2.50E-05			2.50E-05
584130	H3	H3	2.00E-11				2.50E-05			2.50E-05
584131	H3	H3	2.00E-11				2.50E-05			2.50E-05
584132	H3	H3	2.00E-11				2.50E-05			2.50E-05
584133	H3	H3	2.00E-11				2.50E-05			2.50E-05
584134	H3	H3	2.00E-11				2.50E-05			2.50E-05
584135	H3	H3	2.00E-11				2.50E-05			2.50E-05
584136	H3	H3	2.00E-11				2.50E-05			2.50E-05
584137	H3	H3	2.00E-11				2.50E-05			2.50E-05
584138	H3	H3	1.00E-12				1.25E-06			1.25E-06
584139	H3	H3	1.00E-12				1.25E-06			1.25E-06
584140	H3	H3	1.00E-12				1.25E-06			1.25E-06
584141	H3	H3	1.00E-12				1.25E-06			1.25E-06
584142	H3	H3	1.00E-12				1.25E-06			1.25E-06
585121	H3	H3	1.00E-12				1.25E-06			1.25E-06
585122	H3	H3	2.00E-11				2.50E-05			2.50E-05
585123	H3	H3	2.00E-11				2.50E-05			2.50E-05
585124	H3	H3	2.00E-11				2.50E-05			2.50E-05
585125	H3	H3	2.00E-11				2.50E-05			2.50E-05
585126	H3	H3	2.00E-11				2.50E-05			2.50E-05
585127	H3	H3	2.00E-11				2.50E-05			2.50E-05
585128	H3	H3	2.00E-11				2.50E-05			2.50E-05
585129	H3	H3	2.00E-11				2.50E-05			2.50E-05
585130	H3	H3	2.00E-11				2.50E-05			2.50E-05
585131	H3	H3	2.00E-11				2.50E-05			2.50E-05

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
585132	H3	H3	2.00E-11				2.50E-05			2.50E-05
585133	H3	H3	2.00E-11				2.50E-05			2.50E-05
585134	H3	H3	2.00E-10				2.50E-04			2.50E-04
585135	H3	H3	2.00E-10				2.50E-04			2.50E-04
585136	H3	H3	2.00E-10				2.50E-04			2.50E-04
585137	H3	H3	2.00E-11				2.50E-05			2.50E-05
585138	H3	H3	1.00E-12				1.25E-06			1.25E-06
585139	H3	H3	1.00E-12				1.25E-06			1.25E-06
585141	H3	H3	1.00E-12				1.25E-06			1.25E-06
586120	H3	H3	1.00E-12				1.25E-06			1.25E-06
586121	H3	H3	1.00E-12				1.25E-06			1.25E-06
586122	H3	H3	2.00E-11				2.50E-05			2.50E-05
586123	H3	H3	2.00E-11				2.50E-05			2.50E-05
586124	H3	H3	2.00E-11				2.50E-05			2.50E-05
586125	H3	H3	2.00E-11				2.50E-05			2.50E-05
586126	H3	H3	2.00E-11				2.50E-05			2.50E-05
586127	H3	H3	2.00E-11				2.50E-05			2.50E-05
586128	H3	H3	2.00E-11				2.50E-05			2.50E-05
586129	H3	H3	2.00E-11				2.50E-05			2.50E-05
586130	H3	H3	2.00E-11				2.50E-05			2.50E-05
586131	H3	H3	2.00E-11				2.50E-05			2.50E-05
586132	H3	H3	2.00E-11				2.50E-05			2.50E-05
586133	H3	H3	2.00E-10				2.50E-04			2.50E-04
586134	H3	H3	2.00E-10				2.50E-04			2.50E-04
586135	H3	H3	2.00E-10				2.50E-04			2.50E-04
586136	H3	H3	2.00E-10				2.50E-04			2.50E-04
586137	H3	H3	2.00E-11				2.50E-05			2.50E-05
586138	H3	H3	1.00E-12				1.25E-06			1.25E-06
587120	H3	H3	1.00E-12				1.25E-06			1.25E-06
587121	H3	H3	1.00E-12				1.25E-06			1.25E-06
587122	H3	H3	2.00E-11				2.50E-05			2.50E-05
587123	H3	H3	2.00E-11				2.50E-05			2.50E-05
587124	H3	H3	2.00E-11				2.50E-05			2.50E-05
587125	H3	H3	2.00E-11				2.50E-05			2.50E-05
587126	H3	H3	1.00E-12				1.25E-06			1.25E-06
587127	H3	H3	1.00E-12				1.25E-06			1.25E-06
587128	H3	H3	1.00E-12				1.25E-06			1.25E-06
587129	H3	H3	2.00E-11				2.50E-05			2.50E-05
587130	H3	H3	2.00E-11				2.50E-05			2.50E-05
587131	H3	H3	2.00E-11				2.50E-05			2.50E-05
587132	H3	H3	2.00E-11				2.50E-05			2.50E-05
587133	H3	H3	2.00E-10				2.50E-04			2.50E-04

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
587134	H3	H3	2.00E-10				2.50E-04			2.50E-04
587134	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
587135	H3	H3	2.00E-10				2.50E-04			2.50E-04
587135	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
587136	H3	H3	2.00E-10				2.50E-04			2.50E-04
587136	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
587137	H3	H3	2.00E-11				2.50E-05			2.50E-05
587137	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
587138	H3	H3	1.00E-12				1.25E-06			1.25E-06
588120	H3	H3	1.00E-12				1.25E-06			1.25E-06
588121	H3	H3	1.00E-12				1.25E-06			1.25E-06
588122	H3	H3	2.00E-11				2.50E-05			2.50E-05
588123	H3	H3	2.00E-11				2.50E-05			2.50E-05
588124	H3	H3	2.00E-11				2.50E-05			2.50E-05
588125	H3	H3	2.00E-11				2.50E-05			2.50E-05
588126	H3	H3	1.00E-12				1.25E-06			1.25E-06
588127	H3	H3	1.00E-12				1.25E-06			1.25E-06
588128	H3	H3	1.00E-12				1.25E-06			1.25E-06
588129	H3	H3	2.00E-11				2.50E-05			2.50E-05
588130	H3	H3	2.00E-11				2.50E-05			2.50E-05
588131	H3	H3	2.00E-11				2.50E-05			2.50E-05
588132	H3	H3	2.00E-11				2.50E-05			2.50E-05
588133	H3	H3	2.00E-10				2.50E-04			2.50E-04
588133	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
588134	H3	H3	2.00E-10				2.50E-04			2.50E-04
588134	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
588135	H3	H3	2.00E-10				2.50E-04			2.50E-04
588135	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
588136	H3	H3	2.00E-10				2.50E-04			2.50E-04
588136	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
588137	H3	H3	2.00E-10				2.50E-04			2.50E-04
588137	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
589120	H3	H3	1.00E-12				1.25E-06			1.25E-06
589121	H3	H3	2.00E-11				2.50E-05			2.50E-05
589122	H3	H3	2.00E-11				2.50E-05			2.50E-05
589123	H3	H3	2.00E-11				2.50E-05			2.50E-05
589124	H3	H3	2.00E-11				2.50E-05			2.50E-05
589125	H3	H3	2.00E-11				2.50E-05			2.50E-05
589126	H3	H3	1.00E-12				1.25E-06			1.25E-06
589127	Co60	Co60			5.63E-10				2.89E-02	2.89E-02
589127	H3	H3	1.00E-12				1.25E-06			1.25E-06
589128	H3	H3	1.00E-12				1.25E-06			1.25E-06

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Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
589129	H3	H3	1.00E-12				1.25E-06			1.25E-06
589130	H3	H3	2.00E-11				2.50E-05			2.50E-05
589131	H3	H3	2.00E-11				2.50E-05			2.50E-05
589132	H3	H3	2.00E-11				2.50E-05			2.50E-05
589133	H3	H3	2.00E-11				2.50E-05			2.50E-05
589133	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
589134	H3	H3	2.00E-10				2.50E-04			2.50E-04
589134	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
589135	H3	H3	2.00E-10				2.50E-04			2.50E-04
589135	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
589136	H3	H3	2.00E-10				2.50E-04			2.50E-04
589136	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
589137	H3	H3	2.00E-10				2.50E-04			2.50E-04
589137	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
590119	H3	H3	1.00E-12				1.25E-06			1.25E-06
590120	H3	H3	1.00E-12				1.25E-06			1.25E-06
590121	Co60	Co60			2.78E-10				1.43E-02	1.43E-02
590121	H3	H3	2.00E-11				2.50E-05			2.50E-05
590121	Pu239	Pu239			1.94E-10				2.23E-03	2.23E-03
590121	U235	U235			1.46E-16				8.94E-10	8.94E-10
590121	U238	U238			1.57E-18				2.98E-12	2.98E-12
590122	H3	H3	2.00E-11				2.50E-05			2.50E-05
590123	H3	H3	2.00E-11				2.50E-05			2.50E-05
590124	H3	H3	2.00E-11				2.50E-05			2.50E-05
590125	H3	H3	2.00E-11				2.50E-05			2.50E-05
590126	H3	H3	1.00E-12				1.25E-06			1.25E-06
590127	H3	H3	1.00E-12				1.25E-06			1.25E-06
590128	H3	H3	1.00E-12				1.25E-06			1.25E-06
590129	H3	H3	1.00E-12				1.25E-06			1.25E-06
590130	H3	H3	1.00E-12				1.25E-06			1.25E-06
590131	H3	H3	2.00E-11				2.50E-05			2.50E-05
590132	H3	H3	2.00E-11				2.50E-05			2.50E-05
590133	H3	H3	2.00E-11				2.50E-05			2.50E-05
590133	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
590134	H3	H3	2.00E-11				2.50E-05			2.50E-05
590134	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
590135	H3	H3	2.00E-10				2.50E-04			2.50E-04
590135	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
590136	H3	H3	2.00E-10				2.50E-04			2.50E-04
590136	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
591119	H3	H3	1.00E-12				1.25E-06			1.25E-06
591120	H3	H3	1.00E-12				1.25E-06			1.25E-06

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
591121	H3	H3	2.00E-11				2.50E-05			2.50E-05
591122	H3	H3	2.00E-11				2.50E-05			2.50E-05
591123	H3	H3	2.00E-11				2.50E-05			2.50E-05
591124	H3	H3	2.00E-11				2.50E-05			2.50E-05
591125	H3	H3	2.00E-11				2.50E-05			2.50E-05
591126	H3	H3	1.00E-12				1.25E-06			1.25E-06
591127	H3	H3	1.00E-12				1.25E-06			1.25E-06
591128	H3	H3	1.00E-12				1.25E-06			1.25E-06
591129	H3	H3	1.00E-12				1.25E-06			1.25E-06
591130	H3	H3	1.00E-12				1.25E-06			1.25E-06
591131	H3	H3	2.00E-11				2.50E-05			2.50E-05
591132	H3	H3	2.00E-11				2.50E-05			2.50E-05
591133	H3	H3	2.00E-11				2.50E-05			2.50E-05
591133	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
591134	H3	H3	2.00E-11				2.50E-05			2.50E-05
591134	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
591135	H3	H3	2.00E-11				2.50E-05			2.50E-05
592116	Co60	Co60			1.42E-17				7.30E-10	7.30E-10
592116	Th232	Th232			5.63E-09				2.42E-01	2.42E-01
592116	U235	U235			8.79E-13				5.36E-06	5.38E-06
592116	U238	U238			1.88E-11				3.57E-05	3.57E-05
592118	H3	H3	1.00E-12				1.25E-06			1.25E-06
592119	H3	H3	1.00E-12				1.25E-06			1.25E-06
592120	H3	H3	1.00E-12				1.25E-06			1.25E-06
592121	H3	H3	2.00E-11				2.50E-05			2.50E-05
592122	H3	H3	2.00E-11				2.50E-05			2.50E-05
592123	H3	H3	2.00E-11				2.50E-05			2.50E-05
592124	H3	H3	2.00E-11				2.50E-05			2.50E-05
592125	H3	H3	1.00E-12				1.25E-06			1.25E-06
592126	H3	H3	1.00E-12				1.25E-06			1.25E-06
592127	H3	H3	1.00E-12				1.25E-06			1.25E-06
592128	H3	H3	1.00E-12				1.25E-06			1.25E-06
592129	H3	H3	1.00E-12				1.25E-06			1.25E-06
592130	H3	H3	1.00E-12				1.25E-06			1.25E-06
592131	H3	H3	2.00E-11				2.50E-05			2.50E-05
592132	H3	H3	2.00E-11				2.50E-05			2.50E-05
592133	H3	H3	2.00E-11				2.50E-05			2.50E-05
592133	Tc99	Tc99	5.00E-14				2.22E-06			2.22E-06
592134	H3	H3	2.00E-11				2.50E-05			2.50E-05
593116	Co60	Co60			3.27E-17				1.68E-09	1.68E-09
593116	U235	U235			5.24E-13				3.21E-06	3.21E-06
593116	U238	U238	2.00E-14		1.12E-11		1.59E-04		2.13E-05	1.80E-04

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
593117	H3	H3	1.00E-12				1.25E-06			1.25E-06
593118	H3	H3	1.00E-12				1.25E-06			1.25E-06
593119	H3	H3	1.00E-12				1.25E-06			1.25E-06
593120	H3	H3	1.00E-12				1.25E-06			1.25E-06
593121	H3	H3	1.00E-12				1.25E-06			1.25E-06
593122	H3	H3	1.00E-12				1.25E-06			1.25E-06
593123	H3	H3	1.00E-12				1.25E-06			1.25E-06
593124	H3	H3	1.00E-12				1.25E-06			1.25E-06
593125	H3	H3	1.00E-12				1.25E-06			1.25E-06
593126	H3	H3	1.00E-12				1.25E-06			1.25E-06
593127	H3	H3	1.00E-12				1.25E-06			1.25E-06
593128	H3	H3	1.00E-12				1.25E-06			1.25E-06
593129	H3	H3	1.00E-12				1.25E-06			1.25E-06
593130	H3	H3	1.00E-12				1.25E-06			1.25E-06
593131	H3	H3	2.00E-11				2.50E-05			2.50E-05
593132	H3	H3	2.00E-11				2.50E-05			2.50E-05
593133	H3	H3	2.00E-11				2.50E-05			2.50E-05
594115	H3	H3	1.00E-12				1.25E-06			1.25E-06
594115	U238	U238	2.00E-14		4.54E-07		1.59E-04		8.63E-01	8.63E-01
594116	Cs137	Cs137			2.71E-08				9.38E-01	9.38E-01
594116	H3	H3	2.00E-12				2.50E-06			2.50E-06
594116	Pu239	Pu239			1.77E-12				2.04E-05	2.04E-05
594116	Pu240	Pu240			5.00E-13				5.75E-06	5.75E-06
594116	Sr90	Sr90			2.70E-08				2.86E-02	2.86E-02
594116	U238	U238	1.00E-13				7.94E-04			7.94E-04
594117	H3	H3	2.00E-12				2.50E-06			2.50E-06
594117	U238	U238	2.00E-14				1.59E-04			1.59E-04
594118	H3	H3	2.00E-12				2.50E-06			2.50E-06
594119	H3	H3	2.00E-12				2.50E-06			2.50E-06
594120	H3	H3	2.00E-12				2.50E-06			2.50E-06
594121	H3	H3	1.00E-12				1.25E-06			1.25E-06
594122	H3	H3	1.00E-12				1.25E-06			1.25E-06
594123	H3	H3	1.00E-12				1.25E-06			1.25E-06
594124	H3	H3	1.00E-12				1.25E-06			1.25E-06
594125	H3	H3	1.00E-12				1.25E-06			1.25E-06
594126	H3	H3	1.00E-12				1.25E-06			1.25E-06
594127	H3	H3	1.00E-12				1.25E-06			1.25E-06

Table B6-4. Radionuclide Concentration and Resultant Individual Risk for Residential Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
594128	H3	H3	1.00E-12				1.25E-06			1.25E-06
594129	H3	H3	1.00E-12				1.25E-06			1.25E-06
594130	H3	H3	1.00E-12				1.25E-06			1.25E-06
594131	H3	H3	2.00E-11				2.50E-05			2.50E-05
594132	H3	H3	2.00E-11				2.50E-05			2.50E-05

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Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
560141	14797558	NO3	2.00E-05					
560142	14797558	NO3	4.50E-05					
561141	14797558	NO3	2.00E-05					
562141	14797558	NO3	2.00E-05					
564134	56235	CCl4	1.00E-08			1.87E-05		1.87E-05
564135	56235	CCl4	1.00E-08			1.87E-05		1.87E-05
564136	56235	CCl4	1.00E-08			1.87E-05		1.87E-05
565133	7440382	As	6.00E-09			2.96E-05		2.96E-05
565133	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
565133	14797558	NO3		2.84E-06				
565134	56235	CCl4	1.00E-07			1.87E-04		1.87E-04
565134	7440382	As	2.00E-08			9.86E-05		9.86E-05
565135	56235	CCl4	5.00E-07			9.35E-04		9.35E-04
565135	67663	Chlor	1.00E-08			2.28E-05		2.28E-05
565135	7440382	As	2.00E-08			9.86E-05		9.86E-05
565135	14797558	NO3	4.50E-05					
565136	56235	CCl4	1.00E-07			1.87E-04		1.87E-04
565136	7440382	As	2.00E-08			9.86E-05		9.86E-05
565136	14797558	NO3	4.50E-05					
565137	56235	CCl4	1.00E-08			1.87E-05		1.87E-05
565137	7440473	CRVI	5.00E-08			9.15E-03		9.15E-03
565137	14797558	NO3	4.50E-05					
565144	62760	NaOxal		3.07E-04				
565144	5329146	NaSulfam		1.01E-03				
565144	10588019	NaCr2		2.19E-04			2.23E-03	2.23E-03
565145	10588019	NaCr2		1.20E-06			1.22E-05	1.22E-05
566133	7440382	As	6.00E-09			2.96E-05		2.96E-05
566133	7440473	CRVI	3.00E-07			5.49E-02		5.34E-02
566133	14797558	NO3		4.32E-06				
566134	56235	CCl4	1.00E-07			1.87E-04		1.87E-04
566134	67663	Chlor	1.00E-08			2.28E-05		2.28E-05
566134	1302427	NaAl		4.73E-05				
566134	6484522	NH4NO3		4.13E-04				
566134	7440382	As	2.00E-08			9.86E-05		9.86E-05
566134	7440473	CRVI	3.00E-07			5.49E-02		5.34E-02
566134	7647145	Na		2.03E-03				
566134	7697372	HNO3		3.34E-02				
566134	10588019	NaCr2		3.16E-05			3.22E-04	3.22E-04
566134	13473900	AlNO3		2.01E-02				
566134	14797558	NO3	1.00E-04	9.89E-03				
566135	56235	CCl4	4.00E-06	2.59E-02		7.48E-03	1.38E-05	7.49E-03

Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
566135	67663	Chlor	3.00E-08			6.84E-05		6.84E-05
566135	79016	TriChlor	5.00E-09			2.09E-06		2.09E-06
566135	126738	TBP		2.19E-03			3.88E-07	3.88E-07
566135	1809194	DBBP		1.49E-03				
566135	6484522	NH4NO3		2.27E-03				
566135	7440382	As	2.00E-08			9.86E-05		9.86E-05
566135	7440473	CRVI	5.00E-08			9.15E-03		9.15E-03
566135	7601549	PO4		7.56E-03				
566135	7647145	Na		3.09E-02				
566135	7697372	HNO3		4.00E-03				
566135	7782414	F	4.00E-06	1.83E-02				
566135	10124375	CaNO3		1.37E-02				
566135	10377603	MgNO3		1.84E-02				
566135	12808798	SO4		1.08E-03				
566135	13473900	AlNO3		1.89E-02				
566135	13520688	FeNO3		4.05E-03				
566135	14797558	NO3	2.50E-04	5.19E-02				
566136	56235	CCl4	2.00E-06			3.74E-03		3.74E-03
566136	62760	NaOxal		9.15E-03				
566136	67663	Chlor	3.00E-08			6.84E-05		6.84E-05
566136	79016	TriChlor	2.50E-08			1.05E-05		1.05E-05
566136	1302427	NaAl		8.47E-02				
566136	6484522	NH4NO3		2.00E-02				
566136	7440382	As	2.00E-08			9.86E-05		9.86E-05
566136	7440473	CRVI	2.00E-07			3.66E-02		3.59E-02
566136	7447407	K		3.16E-02				
566136	7601549	PO4		1.09E-01				
566136	7647145	Na		4.07E-01				
566136	7782414	F	4.00E-06	3.47E-02				
566136	12808798	SO4		1.90E-02				
566136	13943583	FeCN		7.39E-03				
566136	14797558	NO3	2.50E-04	4.70E-01				
566136	Nitrite	NO2		9.20E-05				
566137	56235	CCl4	1.00E-06			1.87E-03		1.87E-03
566137	67663	Chlor	1.00E-08			2.28E-05		2.28E-05
566137	79016	TriChlor	5.00E-09			2.09E-06		2.09E-06
566137	7440473	CRVI	5.00E-08			9.15E-03		9.15E-03
566137	14797558	NO3	5.00E-04					
567133	79016	TriChlor	2.50E-08			1.05E-05		1.05E-05
567133	7440382	As	8.00E-09			2.96E-05		2.96E-05
567133	7440473	CRVI	3.00E-07			5.49E-02		5.34E-02

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Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
567133	7647145	Na		1.00E-02				
567133	14797558	NO3	4.50E-05	9.20E-03				
567134	56235	CCl4	1.00E-07			1.87E-04		1.87E-04
567134	79016	TriChlor	1.00E-08			4.18E-06		4.18E-06
567134	108101	MIBK		7.39E-03				
567134	6484522	NH4NO3		5.16E-03				
567134	7440382	As	1.00E-08			4.93E-05		4.93E-05
567134	7440473	CRVI	2.00E-07			3.66E-02		3.59E-02
567134	7647145	Na		2.43E-03				
567134	7697372	HNO3		3.84E-02				
567134	7782414	F	4.00E-06					
567134	10588019	NaCr2		7.39E-03			7.54E-02	7.26E-02
567134	13473900	AlNO3		2.07E-02				
567134	14797558	NO3	5.00E-04	3.65E-02				
567135	56235	CCl4	2.00E-06			3.74E-03		3.74E-03
567135	67663	Chlor	3.00E-08			6.84E-05		6.84E-05
567135	79016	TriChlor	5.00E-09			2.09E-06		2.09E-06
567135	126738	TBP		1.37E-01			2.42E-05	2.42E-05
567135	7601549	PO4		1.77E-01				
567135	7647145	Na		1.27E+00				
567135	12608798	SO4		2.59E-01				
567135	14797558	NO3	5.00E-04	2.32E+00				
567136	56235	CCl4	1.00E-06			1.87E-03		1.87E-03
567136	62760	NaOxal		2.91E-02				
567136	67663	Chlor	2.00E-08			4.56E-05		4.56E-05
567136	79016	TriChlor	5.00E-09			2.09E-06		2.09E-06
567136	6484522	NH4NO3		1.28E-02				
567136	7447407	K		1.18E+01				
567136	7601549	PO4		6.59E-02				
567136	7647145	Na		7.95E-01				
567136	7664939	H2SO4		2.59E-03				
567136	7697372	HNO3		2.59E-03				
567136	7782414	F		1.24E-01				
567136	10588019	NaCr2		2.59E-05			2.64E-04	2.64E-04
567136	12808798	SO4		7.56E-03				
567136	14797558	NO3	5.00E-04	9.32E-01				
567137	56235	CCl4	1.00E-06			1.87E-03		1.87E-03
567137	67663	Chlor	1.00E-08			2.28E-05		2.28E-05
567137	7440473	CRVI	5.00E-08			9.15E-03		9.15E-03
567137	7762414	F	2.00E-06					
567137	14797558	NO3	5.00E-04	4.37E-04				

Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
567138	56235	CCl4	1.00E-08			1.87E-05		1.87E-05
567138	14797558	NO3	1.00E-04					
568134	56235	CCl4	1.00E-08			1.87E-05		1.87E-05
568134	14797558	NO3	2.50E-04					
568135	56235	CCl4	1.00E-07			1.87E-04		1.87E-04
568135	14797558	NO3	5.00E-04					
568136	56235	CCl4	1.00E-08			1.87E-05		1.87E-05
568136	14797558	NO3	5.00E-04					
568137	56235	CCl4	5.00E-08			9.35E-05		9.35E-05
568137	14797558	NO3	2.50E-04					
568138	56235	CCl4	1.00E-08			1.87E-05		1.87E-05
568138	14797558	NO3	4.50E-05					
568146	14797558	NO3	1.00E-04					
568147	14797558	NO3	4.50E-05					
569134	56235	CCl4	1.00E-08			1.87E-05		1.87E-05
569134	14797558	NO3	1.00E-04					
569135	56235	CCl4	1.00E-08			1.87E-05		1.87E-05
569135	14797558	NO3	1.00E-04					
569136	14797558	NO3	1.00E-04					
569137	14797558	NO3	4.50E-05					
569143	14797558	NO3	2.00E-05					
569144	14797558	NO3	2.00E-05					
569146	7439976	Hg		6.28E-03				
569146	14797558	NO3	2.00E-05					
569147	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
569147	7664939	H2SO4		7.49E-05				
569147	7664939	SulfAcid		7.49E-05				
569147	7758987	Cu2SO4		3.75E-06				
569147	10588019	NaCr2		1.43E-03			1.46E-02	1.45E-02
569147	14797558	NO3	2.00E-05					
569148	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
570134	14797558	NO3	1.00E-04					
570135	14797558	NO3	1.00E-04					
570136	14797558	NO3	4.50E-05					
570137	14797558	NO3	4.50E-05					
570141	14797558	NO3	2.00E-05					
570142	14797558	NO3	2.00E-05					
570143	14797558	NO3	2.00E-05					
570144	14797558	NO3	2.00E-05					
570146	7440473	CRVI	5.00E-08			9.15E-03		9.15E-03
570147	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02

Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
570147	14797558	NO3	2.00E-05					
570148	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
570149	14797558	NO3	4.50E-05					
571135	14797558	NO3	4.50E-05					
571136	14797558	NO3	4.50E-05					
571137	14797558	NO3	4.50E-05					
571139	14797558	NO3	4.50E-05					
571140	14797558	NO3	4.50E-05					
571141	14797558	NO3	2.00E-05					
571142	14797558	NO3	2.00E-05					
571143	14797558	NO3	2.00E-05					
571144	14797558	NO3	2.00E-05					
571149	14797558	NO3	4.50E-05					
572136	14797558	NO3	4.50E-05					
572137	7440382	As	6.00E-09			2.96E-05		2.96E-05
572137	14797558	NO3	4.50E-05					
572138	7440382	As	6.00E-09			2.96E-05		2.96E-05
572138	14797558	NO3	4.50E-05					
572139	14797558	NO3	4.50E-05					
572140	14797558	NO3	1.00E-04					
572142	14797558	NO3	2.00E-05					
572143	14797558	NO3	2.00E-05					
572144	14797558	NO3	2.00E-05					
572149	14797558	NO3	2.00E-05					
572150	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
572150	14797558	NO3	2.00E-05					
572151	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
572151	14797558	NO3	4.50E-05					
572152	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
573134	62760	NaOxal		2.99E-03				
573134	7601549	PO4		1.11E-01				
573134	7647145	Na		9.15E-01				
573134	12808798	SO4		1.47E-01				
573134	13943583	FeCN		5.66E-03				
573134	14797558	NO3		1.94E+00				
573135	67663	Chlor	1.00E-08			2.28E-05		2.28E-05
573135	7440382	As	1.00E-08			4.93E-05		4.93E-05
573136	144627	Oxalate		4.26E-02				
573136	6484522	NH4NO3		2.28E-01				
573136	7440382	As	6.00E-09			2.96E-05		2.96E-05
573136	7447407	K		2.84E-01				

Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
573136	7601549	PO4		1.03E-01				
573136	7647145	Na		1.24E+00				
573136	7697372	HNO3		6.31E-03				
573136	7782414	F		1.78E-01				
573136	10586019	NaCr2		1.26E-03			1.29E-02	1.28E-02
573136	12808798	SO4		1.19E-02				
573136	13473900	AlNO3		1.78E-02				
573136	14797558	NO3	1.00E-04	1.27E-01				
573137	144627	Oxalate		7.61E-03				
573137	506876	NH4CO3		1.05E-02				
573137	1302427	NaAl		2.42E-01				
573137	6484522	NH4NO3		2.02E-02				
573137	7440382	As	1.00E-08			4.93E-05		4.93E-05
573137	7447407	K		5.07E-02				
573137	7601549	PO4		9.94E-02				
573137	7647145	Na		4.34E-01				
573137	7664939	H2SO4		1.77E-01				
573137	7782414	F		3.34E-02				
573137	12806798	SO4		4.48E-02				
573137	13943563	FeCN		3.66E-03				
573137	14797558	NO3	4.50E-05	7.05E-01				
573137	Nitrite	NO2		1.91E-04				
573138	57125	Cyanide	5.00E-07					
573138	7440382	As	6.00E-09			2.96E-05		2.96E-05
573138	14797558	NO3	2.50E-04					
573139	7440382	As	6.00E-09			2.96E-05		2.96E-05
573139	14797558	NO3	1.00E-04					
573149	14797558	NO3	2.00E-05					
573150	14797558	NO3	4.50E-05					
573151	62760	NaOxal		1.12E-03				
573151	5329146	NaSulfam		1.12E-03				
573151	7440473	CRVI	1.00E-06			1.83E-01		1.67E-01
573151	7632044	KBO2		4.73E-02				
573151	10588019	NaCr2		2.54E-04			2.59E-03	2.59E-03
573151	14797558	NO3	4.50E-05					
573152	7440473	CRVI	1.00E-06			1.83E-01		1.67E-01
573152	10588019	NaCr2		5.08E-06			5.18E-05	5.18E-05
573152	14797558	NO3	1.00E-04					
574134	7440382	As	6.00E-09			2.96E-05		2.96E-05
574134	14797558	NO3	2.00E-05					
574135	7440382	As	6.00E-09			2.96E-05		2.96E-05

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Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
574135	14797558	NO3	1.00E-04					
574136	78466	TBPPH		9.26E-02				
574136	7440382	As	1.00E-08			4.93E-05		4.93E-05
574136	7647145	Na		1.98E-02				
574136	7697372	HNO3		5.68E-02				
574136	14797558	NO3	4.50E-05	1.43E-02				
574137	7440382	As	1.00E-08			4.93E-05		4.93E-05
574138	57125	Cyanide	2.00E-07					
574138	14797558	NO3	1.00E-04					
574139	14797558	NO3	5.10E-08					
574140	14797558	NO3	4.60E-08					
574149	14797558	NO3	2.00E-05					
574150	14797558	NO3	2.00E-05					
574151	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
574151	14797558	NO3	4.50E-05					
574152	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
574152	10588019	NaCr2		9.80E-06			1.00E-04	1.00E-04
574152	14797558	NO3	1.00E-04					
574153	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
574153	14797558	NO3	2.00E-05					
575134	7440382	As	6.00E-09			2.96E-05		2.96E-05
575134	14797558	NO3	2.00E-05					
575135	126738	TBP		7.95E-02			1.41E-05	1.41E-05
575135	6484522	NH4NO3		4.34E-02				
575135	7440382	As	1.00E-08			4.93E-05		4.93E-05
575135	7440473	CRVI	2.00E-07			3.66E-02		3.59E-02
575135	7647145	Na		1.28E-03				
575135	10588019	NaCr2		3.72E-05			3.79E-04	3.79E-04
575135	12808798	SO4		1.77E-03				
575135	14797558	NO3	2.50E-04	3.31E-02				
575136	126738	TBP		4.06E-01			7.19E-05	7.19E-05
575136	506876	NH4CO3		2.59E-02				
575136	7440382	As	1.00E-08			4.93E-05		4.93E-05
575136	7440473	CRVI	2.00E-07			3.66E-02		3.59E-02
575136	14797558	NO3	1.00E-04	9.83E-03				
575137	7440382	As	6.00E-09			2.96E-05		2.96E-05
575139	14797558	NO3	1.00E-04					
575140	14797558	NO3	4.50E-05					
575152	7440473	CRVI	5.00E-08			9.15E-03		9.15E-03
575152	14797558	NO3	2.00E-05					
575153	7440473	CRVI	5.00E-08			9.15E-03		9.15E-03

Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
576130	14797558	NO3	2.00E-05					
576131	14797558	NO3	2.00E-05					
576132	14797558	NO3	2.00E-05					
576133	14797558	NO3	2.00E-05					
576134	7440382	As	6.00E-09			2.96E-05		2.96E-05
576135	7440382	As	2.00E-08			9.86E-05		9.86E-05
576136	7440382	As	1.00E-08			4.93E-05		4.93E-05
576137	7440382	As	6.00E-09			2.96E-05		2.96E-05
576139	14797558	NO3	1.00E-04					
576140	14797558	NO3	4.50E-05					
576152	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
576152	14797558	NO3	2.00E-05					
576153	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
576153	14797558	NO3	2.00E-05					
576154	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
577130	14797558	NO3	2.00E-05					
577131	14797558	NO3	2.00E-05					
577132	14797558	NO3	2.00E-05					
577133	14797558	NO3	2.00E-05					
577135	7440382	As	6.00E-09			2.96E-05		2.96E-05
577136	7440382	As	1.00E-08			4.93E-05		4.93E-05
577137	7440382	As	6.00E-09			2.96E-05		2.96E-05
577146	14797558	NO3	2.00E-05					
577147	14797556	NO3	2.00E-05					
577148	14797558	NO3	2.00E-05					
577152	62760	NaOxal		9.39E-03				
577152	5329146	NaSulfam		9.39E-03				
577152	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
577152	10588019	NaCr2		2.98E-04			3.04E-03	3.04E-03
577152	14797558	NO3	2.00E-05					
577153	14797558	NO3	2.00E-05					
578125	14797558	NO3	2.00E-05					
578129	79016	TriChlor	5.00E-09			2.09E-06		2.09E-06
578129	14797558	NO3	2.00E-05					
578130	79016	TriChlor	5.00E-09			2.09E-06		2.09E-06
578130	7440382	As	6.00E-09			2.96E-05		2.96E-05
578130	14797558	NO3	2.00E-05					
578131	14797558	NO3	2.00E-05					
578132	14797558	NO3	2.00E-05					
578133	14797558	NO3	2.00E-05					
578134	14797558	NO3	2.00E-05					

96134459.2537

Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
578145	14797558	NO3	2.00E-05					
578146	79016	TriChlor	3.50E-08			1.46E-05		1.46E-05
578146	14797558	NO3	4.50E-05					
578147	79016	TriChlor	3.50E-08			1.46E-05		1.46E-05
578147	14797558	NO3	4.50E-05					
578148	14797558	NO3	4.50E-05					
578149	14797558	NO3	2.00E-05					
578151	14797558	NO3	2.00E-05					
578152	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
578152	10588019	NaCr2		1.45E-05			1.48E-04	1.48E-04
578152	14797558	NO3	4.50E-05					
578153	7440473	CRVI	1.00E-07			1.83E-02		1.81E-02
579129	79016	TriChlor	5.00E-09			2.09E-06		2.09E-06
579129	14797558	NO3	2.00E-05					
579130	79016	TriChlor	2.50E-08			1.05E-05		1.05E-05
579130	7440362	As	6.00E-09			2.96E-05		2.96E-05
579130	14797558	NO3	2.00E-05					
579131	7440382	As	6.00E-09			2.96E-05		2.96E-05
579131	14797558	NO3	2.00E-05					
579132	14797558	NO3	2.00E-05					
579133	14797558	NO3	2.00E-05					
579134	14797558	NO3	2.00E-05					
579145	14797558	NO3	4.50E-05					
579146	79016	TriChlor	3.50E-08			1.46E-05		1.46E-05
579146	14797558	NO3	1.00E-04					
579147	79016	TriChlor	3.50E-08			1.46E-05		1.46E-05
579147	14797558	NO3	1.00E-04					
579148	14797558	NO3	4.50E-05					
579149	14797558	NO3	2.00E-05					
580128	14797558	NO3	2.00E-05					
580129	14797558	NO3	2.00E-05					
580130	14797558	NO3	2.00E-05					
580131	14797558	NO3	2.00E-05					
580132	14797558	NO3	2.00E-05					
580133	14797558	NO3	2.00E-05					
580142	14797558	NO3	2.00E-05					
580143	14797558	NO3	2.00E-05					
580144	14797558	NO3	4.50E-05					
580145	14797558	NO3	1.00E-04					
580146	79016	TriChlor	2.00E-08			8.36E-06		8.36E-06
580146	14797558	NO3	1.00E-04					

Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
580147	62760	NaOxal		5.22E-02				
580147	79016	TriChlor	2.00E-08			8.36E-06		8.36E-06
580147	5329146	NaSulfam		5.22E-02				
580147	7664939	SulfAcid		2.41E-04				
580147	10588019	NaCr2		4.52E-05			4.61E-04	4.61E-04
580147	14797558	NO3	1.00E-04					
580148	14797558	NO3	2.00E-05					
581127	14797558	NO3	2.00E-05					
581128	14797558	NO3	2.00E-05					
581129	14797558	NO3	2.00E-05					
581130	14797558	NO3	2.00E-05					
581131	14797558	NO3	2.00E-05					
581132	14797558	NO3	2.00E-05					
581142	14797558	NO3	4.50E-05					
581143	14797558	NO3	4.50E-05					
581144	14797558	NO3	1.00E-04					
581145	14797558	NO3	1.00E-04					
581146	79016	TriChlor	9.00E-09			3.76E-06		3.76E-06
581146	14797558	NO3	1.00E-04					
581147	79016	TriChlor	1.40E-08			5.85E-06		5.85E-06
581147	10588019	NaCr2		8.66E-06			8.83E-05	8.83E-05
581147	14797558	NO3	4.50E-05					
581148	14797558	NO3	2.00E-05					
582127	14797558	NO3	2.00E-05					
582128	14797558	NO3	2.00E-05					
582129	14797558	NO3	2.00E-05					
582130	14797558	NO3	2.00E-05					
582131	14797558	NO3	2.00E-05					
582132	14797558	NO3	2.00E-05					
582142	14797558	NO3	4.50E-05					
582143	14797558	NO3	1.00E-04					
582144	14797558	NO3	1.00E-04					
582145	14797558	NO3	1.00E-04					
582146	14797558	NO3	4.50E-05					
583125	14797558	NO3	2.00E-06					
583126	14797558	NO3	2.00E-05					
583127	14797558	NO3	2.00E-05					
583128	14797558	NO3	2.00E-05					
583129	14797558	NO3	2.00E-05					
583130	14797558	NO3	2.00E-05					
583131	14797558	NO3	2.00E-05					

Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
583141	14797558	NO3	2.00E-05					
583142	14797558	NO3	4.50E-05					
583143	14797558	NO3	1.00E-04					
583144	14797558	NO3	1.00E-04					
584123	14797558	NO3	2.00E-05					
584124	14797558	NO3	2.00E-05					
584125	14797558	NO3	2.00E-05					
584126	14797558	NO3	2.00E-05					
584127	14797558	NO3	2.00E-05					
584128	14797558	NO3	2.00E-05					
584129	14797558	NO3	2.00E-05					
584130	14797558	NO3	2.00E-05					
584131	14797558	NO3	2.00E-05					
584141	14797558	NO3	4.50E-05					
584142	14797558	NO3	4.50E-05					
585124	14797558	NO3	2.00E-05					
585125	14797558	NO3	2.00E-05					
585126	14797558	NO3	2.00E-05					
585127	14797558	NO3	2.00E-05					
585128	14797558	NO3	2.00E-05					
585129	14797558	NO3	2.00E-05					
585130	14797558	NO3	2.00E-05					
585131	14797558	NO3	2.00E-05					
586123	14797558	NO3	2.00E-05					
586124	14797558	NO3	2.00E-05					
586125	14797558	NO3	2.00E-05					
586126	14797558	NO3	2.00E-05					
586127	14797558	NO3	4.50E-05					
586128	14797558	NO3	4.50E-05					
586129	14797558	NO3	4.50E-05					
586130	14797558	NO3	4.50E-05					
586131	14797558	NO3	2.00E-05					
586132	14797558	NO3	2.00E-05					
586133	14797558	NO3	2.00E-05					
586134	14797558	NO3	2.00E-05					
587124	14797558	NO3	2.00E-05					
587126	14797558	NO3	2.00E-05					
587127	14797558	NO3	4.50E-05					
587128	14797558	NO3	4.50E-05					
587129	14797558	NO3	4.50E-05					
587130	14797558	NO3	4.50E-05					

Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
587131	14797558	NO3	2.00E-05					
587134	14797558	NO3	2.00E-05					
588123	14797558	NO3	2.00E-05					
588124	14797558	NO3	2.00E-05					
588125	14797558	NO3	2.00E-05					
588126	14797558	NO3	2.00E-05					
588127	14797558	NO3	4.50E-05					
588128	14797558	NO3	4.50E-05					
588129	14797558	NO3	4.50E-05					
588131	14797558	NO3	2.00E-05					
588132	14797558	NO3	2.00E-05					
588133	14797558	NO3	2.00E-05					
588134	14797558	NO3	2.00E-05					
588137	14797558	NO3	2.00E-05					
588138	14797558	NO3	2.00E-05					
589122	14797558	NO3	2.00E-05					
589123	14797558	NO3	2.00E-05					
589124	14797558	NO3	2.00E-05					
589125	14797558	NO3	2.00E-05					
589126	14797558	NO3	2.00E-05					
589127	14797558	NO3	2.00E-05					
589128	14797558	NO3	2.00E-05					
589130	14797558	NO3	4.50E-05					
589131	14797558	NO3	4.50E-05					
589132	14797558	NO3	2.00E-05					
589133	14797558	NO3	2.00E-05					
589134	14797558	NO3	2.00E-05					
589135	14797558	NO3	2.00E-05					
589136	14797558	NO3	2.00E-05					
589137	14797558	NO3	2.00E-05					
589138	14797558	NO3	2.00E-05					
591122	108101	MIBK		1.81E-02				
591122	7440611	U		1.20E-02				
591122	14797558	NO3		6.02E-03				
594115	7439921	PbII		2.73E-05				
594115	7439976	Hg		4.54E-07				
594115	7440020	NiII		1.36E-04			3.20E-07	3.20E-07
594115	7440224	AgI		1.36E-05				
594115	7440417	Be		4.54E-07			8.04E-07	8.04E-07
594115	7440439	CdII		9.08E-07			2.35E-06	2.35E-06
594115	7440473	CRVI		4.54E-05			4.63E-04	4.63E-04

Table B6-5. Carcinogenic Chemical Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
594115	7440508	CuII		9.08E-04				
594115	7646857	ZnII		4.54E-05				
594115	7782414	F		9.08E-05				

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
560144	H3	H3	1.00E-12				2.71E-07			2.71E-07
560145	H3	H3	1.00E-12				2.71E-07			2.71E-07
560146	H3	H3	1.00E-12				2.71E-07			2.71E-07
561144	H3	H3	1.00E-12				2.71E-07			2.71E-07
561145	H3	H3	1.00E-12				2.71E-07			2.71E-07
561146	H3	H3	1.00E-12				2.71E-07			2.71E-07
562144	H3	H3	1.00E-12				2.71E-07			2.71E-07
562145	H3	H3	1.00E-12				2.71E-07			2.71E-07
562146	H3	H3	1.00E-12				2.71E-07			2.71E-07
563143	H3	H3	1.00E-12				2.71E-07			2.71E-07
563144	H3	H3	1.00E-12				2.71E-07			2.71E-07
563145	H3	H3	1.00E-12				2.71E-07			2.71E-07
563146	H3	H3	1.00E-12				2.71E-07			2.71E-07
564143	C14	C14			4.75E-12				1.35E-09	1.35E-09
564143	Co60	Co60			4.08E-09				2.64E-02	2.64E-02
564143	Cs137	Cs137			1.04E-11				3.56E-05	3.56E-05
564143	Eu152	Eu152			1.03E-10				4.95E-04	4.95E-04
564143	Eu154	Eu154			1.68E-10				7.39E-04	7.39E-04
564143	H3	H3	1.00E-12		2.32E-08		2.71E-07		2.39E-09	2.73E-07
564143	Ni63	Ni63			7.09E-10				3.70E-08	3.70E-08
564143	Sr90	Sr90			1.04E-11				9.68E-07	9.68E-07
564143	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
564144	H3	H3	1.00E-12				2.71E-07			2.71E-07
564144	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
564145	H3	H3	1.00E-12				2.71E-07			2.71E-07
565133	Cs137	Cs137			1.31E-09				4.48E-03	4.48E-03
565133	Pu239	Pu239			2.85E-10				1.92E-03	1.92E-03
565133	Ru106	Ru106			5.63E-17				5.86E-12	5.86E-12
565133	Sr90	Sr90			1.51E-09				1.41E-04	1.41E-04
565133	U235	U235			9.26E-14				6.06E-08	6.06E-08
565133	U238	U238			1.32E-11				4.98E-06	4.98E-06
565134	Cs137	Cs137			5.07E-12				1.73E-05	1.73E-05
565134	H3	H3			3.85E-09				3.97E-10	3.97E-10
565134	Ru106	Ru106			4.88E-25				5.08E-20	5.08E-20
565134	Sr90	Sr90			3.12E-12				2.90E-07	2.90E-07
565135	H3	H3	1.00E-12				2.71E-07			2.71E-07
565136	H3	H3	1.00E-12				2.71E-07			2.71E-07
565143	C14	C14			2.21E-11				6.28E-09	6.28E-09
565143	Co60	Co60			2.21E-09				1.43E-02	1.43E-02
565143	Cs137	Cs137			7.54E-12				2.58E-05	2.58E-05
565143	Eu152	Eu152			7.44E-11				3.58E-04	3.58E-04

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Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
565143	Eu154	Eu154			1.22E-10				5.37E-04	5.37E-04
565143	H3	H3	1.00E-12		4.36E-11		2.71E-07		4.49E-12	2.71E-07
565143	Ni63	Ni63			3.87E-10				2.02E-08	2.02E-08
565143	Sr90	Sr90			7.54E-12				7.02E-07	7.02E-07
565143	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
565144	Co60	Co60			6.43E-10				4.17E-03	4.17E-03
565144	Cs134	Cs134			3.77E-14				6.22E-08	6.22E-08
565144	Cs137	Cs137			4.19E-11				1.43E-04	1.43E-04
565144	Eu152	Eu152			2.86E-11				1.38E-04	1.38E-04
565144	Eu154	Eu154			2.15E-12				9.46E-06	9.46E-06
565144	Eu155	Eu155			6.38E-12				2.71E-07	2.71E-07
565144	H3	H3	1.00E-12		4.95E-09		2.71E-07		5.10E-10	2.72E-07
565144	Ni63	Ni63			8.04E-12				4.20E-10	4.20E-10
565144	Pu238	Pu238			5.68E-13				3.43E-06	3.43E-06
565144	Pu239	Pu239			6.33E-13				4.27E-06	4.27E-06
565144	Pu240	Pu240			1.08E-13				7.28E-07	7.28E-07
565144	Sr90	Sr90	8.00E-15		1.77E-11		1.48E-06		1.65E-06	3.13E-06
565144	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
565144	U235	U235			5.88E-15				3.85E-09	3.85E-09
565144	U238	U238			7.04E-13				2.65E-07	2.65E-07
565145	Co60	Co60			5.63E-11				3.65E-04	3.65E-04
565145	Cs134	Cs134			2.12E-13				3.50E-07	3.50E-07
565145	Cs137	Cs137			3.03E-11				1.04E-04	1.04E-04
565145	Eu152	Eu152			1.30E-10				6.25E-04	6.25E-04
565145	Eu154	Eu154			4.24E-11				1.87E-04	1.87E-04
565145	Eu155	Eu155			3.40E-12				1.44E-07	1.44E-07
565145	H3	H3	1.00E-12		7.14E-13		2.71E-07		7.35E-14	2.71E-07
565145	Pu238	Pu238			9.05E-15				5.46E-08	5.46E-08
565145	Pu239	Pu239			6.93E-13				4.67E-06	4.67E-06
565145	Pu240	Pu240			2.10E-14				1.42E-07	1.42E-07
565145	Sr90	Sr90	5.00E-14		2.28E-12		9.25E-06		2.12E-07	9.46E-06
565145	U235	U235			1.31E-13				8.57E-08	8.57E-08
565145	U238	U238			3.00E-14				1.13E-08	1.13E-08
566133	Am241	Am241			6.19E-11				4.21E-04	4.21E-04
566133	Cs137	Cs137			5.15E-09				1.76E-02	1.76E-02
568133	H3	H3	2.00E-11				5.42E-06			5.42E-06
566133	Pu238	Pu238			1.44E-11				8.68E-05	8.68E-05
566133	Pu239	Pu239			1.12E-09				7.55E-03	7.55E-03
566133	Pu240	Pu240			1.25E-10				8.42E-04	8.42E-04
566133	Pu241	Pu241			1.77E-09				2.25E-04	2.25E-04
566133	Pu242	Pu242			1.07E-14				6.82E-08	6.82E-08

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
566133	Ru106	Ru106			5.64E-12				5.87E-07	5.87E-07
566133	Sr90	Sr90			6.19E-09				5.76E-04	5.76E-04
566133	Tc99	Tc99	5.00E-12				3.27E-05			3.27E-05
566133	U235	U235			1.86E-14				1.22E-08	1.22E-08
566133	U238	U238			2.64E-12				9.95E-07	9.95E-07
566134	Am241	Am241			3.37E-09				2.29E-02	2.29E-02
566134	Cs137	Cs137			2.07E-07				7.08E-01	7.08E-01
566134	H3	H3	1.50E-09		1.90E-08		4.07E-04		1.96E-09	4.07E-04
566134	Pu238	Pu238			7.84E-10				4.73E-03	4.73E-03
566134	Pu239	Pu239			7.67E-08				5.17E-01	5.17E-01
566134	Pu240	Pu240			1.09E-08				7.35E-02	7.35E-02
566134	Pu241	Pu241			9.60E-08				1.22E-02	1.22E-02
566134	Pu242	Pu242			5.80E-13				3.69E-06	3.69E-06
568134	Ru106	Ru106			2.49E-15				2.59E-10	2.59E-10
566134	Sr90	Sr90			2.10E-07				1.96E-02	1.96E-02
566134	Tc99	Tc99	5.00E-12				3.27E-05			3.27E-05
566134	U235	U235			1.07E-12				7.00E-07	7.00E-07
566134	U238	U238			1.52E-10				5.73E-05	5.73E-05
566135	Am241	Am241			1.07E-08				7.28E-02	7.28E-02
566135	Cs137	Cs137			1.34E-08				4.58E-02	4.58E-02
566135	H3	H3	2.00E-11		6.88E-11		5.42E-06		7.09E-12	5.42E-06
566135	Pu238	Pu238			2.45E-09				1.48E-02	1.48E-02
566135	Pu239	Pu239			1.97E-07				1.33E+00	1.00E+00
566135	Pu240	Pu240			2.19E-08				1.48E-01	1.48E-01
566135	Pu241	Pu241			2.72E-07				3.45E-02	3.45E-02
566135	Pu242	Pu242			1.88E-12				1.20E-05	1.20E-05
566135	Ru106	Ru106			1.92E-15				2.00E-10	2.00E-10
566135	Sr90	Sr90			1.35E-08				1.26E-03	1.26E-03
566135	Tc99	Tc99	2.50E-12				1.64E-05			1.64E-05
566135	U235	U235			3.61E-15				2.36E-09	2.36E-09
566135	U238	U238			5.13E-13				1.93E-07	1.93E-07
566136	Am241	Am241			6.65E-09				4.52E-02	4.52E-02
566136	Co60	Co60			1.11E-12				7.19E-06	7.19E-06
566136	Cs137	Cs137			5.45E-08				1.86E-01	1.86E-01
566136	H3	H3	2.00E-11				5.42E-06			5.42E-06
566138	Pm147	Pm147			4.61E-12				4.61E-10	4.61E-10
566136	Pu238	Pu238			1.56E-09				9.41E-03	9.41E-03
566136	Pu239	Pu239			5.97E-08				4.02E-01	4.02E-01
566136	Pu240	Pu240			1.35E-08				9.10E-02	9.10E-02
566136	Pu241	Pu241			2.00E-07				2.54E-02	2.54E-02
566136	Pu242	Pu242			1.15E-12				7.33E-06	7.33E-06

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Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
566136	Ru106	Ru106			1.51E-14				1.57E-09	1.57E-09
566136	Sr90	Sr90			3.28E-08				3.05E-03	3.05E-03
566136	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
566136	Th232	Th232			1.01E-10				2.59E-03	2.59E-03
566136	U235	U235			2.13E-11				1.39E-05	1.39E-05
566136	U238	U238			4.71E-10				1.78E-04	1.78E-04
566137	Am241	Am241			2.89E-13				1.97E-06	1.97E-06
566137	Cs137	Cs137			1.86E-10				6.36E-04	6.36E-04
566137	H3	H3	1.00E-12				2.71E-07			2.71E-07
566137	Pu238	Pu238			6.76E-14				4.08E-07	4.08E-07
566137	Pu239	Pu239			5.27E-12				3.55E-05	3.55E-05
566137	Pu240	Pu240			5.85E-13				3.94E-06	3.94E-06
566137	Pu241	Pu241			8.30E-12				1.05E-06	1.05E-06
566137	Pu242	Pu242			5.02E-17				3.20E-10	3.20E-10
566137	Ru106	Ru106			1.02E-17				1.06E-12	1.06E-12
566137	Sr90	Sr90			1.52E-10				1.42E-05	1.42E-05
566137	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
566137	U235	U235			1.92E-14				1.26E-08	1.26E-08
566137	U238	U238			2.73E-12				1.03E-06	1.03E-06
566142	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
566143	H3	H3	1.00E-12				2.71E-07			2.71E-07
566143	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
566144	H3	H3	1.00E-12				2.71E-07			2.71E-07
566144	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
566145	H3	H3	1.00E-12				2.71E-07			2.71E-07
566145	Sr90	Sr90	5.00E-14				9.25E-06			9.25E-06
566145	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
566146	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
567132	H3	H3	2.00E-11				5.42E-06			5.42E-06
567133	Am241	Am241			1.07E-10				7.28E-04	7.28E-04
567133	Cs137	Cs137			1.19E-08				4.07E-02	4.07E-02
567133	H3	H3	2.50E-09		1.59E-11		6.77E-04		1.64E-12	6.77E-04
567133	I129	I129	1.00E-14				9.55E-06			9.55E-06
567133	Pu238	Pu238			2.51E-11				1.51E-04	1.51E-04
567133	Pu239	Pu239			1.95E-09				1.31E-02	1.31E-02
567133	Pu240	Pu240			2.18E-10				1.47E-03	1.47E-03
567133	Pu241	Pu241			3.10E-09				3.94E-04	3.94E-04
567133	Pu242	Pu242			1.86E-14				1.18E-07	1.18E-07
567133	Ru106	Ru106			5.44E-17				5.66E-12	5.66E-12
567133	Sr90	Sr90			9.03E-09				8.41E-04	8.41E-04
567133	Tc99	Tc99	5.00E-12				3.27E-05			3.27E-05

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
567133	U235	U235			3.84E-14				2.51E-08	2.51E-08
567133	U238	U238			5.44E-12				2.05E-06	2.05E-06
567134	Am241	Am241			2.34E-10				1.59E-03	1.59E-03
567134	Cs137	Cs137			1.41E-07				4.82E-01	4.82E-01
567134	H3	H3	2.50E-09		7.56E-14		6.77E-04		7.79E-15	6.77E-04
567134	I129	I129	2.00E-14				1.91E-05			1.91E-05
567134	Pu238	Pu238			5.47E-11				3.30E-04	3.30E-04
567134	Pu239	Pu239			4.26E-09				2.87E-02	2.87E-02
567134	Pu240	Pu240			4.74E-10				3.19E-03	3.19E-03
567134	Pu241	Pu241			6.70E-09				8.51E-04	8.51E-04
567134	Pu242	Pu242			4.06E-14				2.59E-07	2.59E-07
567134	Ru106	Ru106			1.31E-14				1.36E-09	1.36E-09
567134	Sr90	Sr90			1.64E-07				1.53E-02	1.53E-02
567134	Tc99	Tc99	2.00E-11				1.31E-04			1.31E-04
567134	U235	U235			2.69E-12				1.76E-06	1.76E-06
567134	U238	U238	2.00E-12		3.82E-10		3.96E-04		1.44E-04	5.40E-04
567135	Am241	Am241			4.61E-10				3.13E-03	3.13E-03
567135	Cs137	Cs137			1.91E-08				6.53E-02	6.53E-02
567135	H3	H3	3.00E-12				8.13E-07			8.13E-07
567135	I129	I129	5.00E-15				4.77E-06			4.77E-06
567135	Pu238	Pu238			1.08E-10				6.51E-04	6.51E-04
567135	Pu239	Pu239			8.41E-09				5.67E-02	5.67E-02
567135	Pu240	Pu240			9.38E-10				6.32E-03	6.32E-03
567135	Pu241	Pu241			1.32E-08				1.68E-03	1.68E-03
567135	Pu242	Pu242			8.01E-14				5.10E-07	5.10E-07
567135	Ru106	Ru106			1.19E-15				1.24E-10	1.24E-10
567135	Sr90	Sr90			1.48E-08				1.38E-03	1.38E-03
567135	Tc99	Tc99	2.00E-11				1.31E-04			1.31E-04
567135	U235	U235			1.09E-11				7.13E-06	7.13E-06
567135	U238	U238	2.00E-12		1.53E-09		3.96E-04		5.77E-04	9.73E-04
567136	Am241	Am241			2.18E-08				1.48E-01	1.48E-01
567136	Cs137	Cs137			3.77E-07				1.29E+00	1.00E+00
567136	H3	H3	2.00E-11				5.42E-06			5.42E-06
567136	I129	I129	1.00E-15				9.55E-07			9.55E-07
567136	Pu238	Pu238			5.10E-09				3.08E-02	3.08E-02
567136	Pu239	Pu239			3.97E-07				2.68E+00	1.00E+00
567136	Pu240	Pu240			4.43E-08				2.99E-01	2.99E-01
567136	Pu241	Pu241			6.25E-07				7.94E-02	7.94E-02
567136	Pu242	Pu242			3.78E-12				2.41E-05	2.41E-05
567136	Ru106	Ru106			1.01E-16				1.05E-11	1.05E-11
567136	Sr90	Sr90			3.80E-07				3.54E-02	3.54E-02

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
567136	Tc99	Tc99	9.00E-13				5.89E-06			5.89E-06
567136	U235	U235			1.82E-13				1.19E-07	1.19E-07
567136	U238	U238	1.00E-13		2.43E-11		1.98E-05		9.16E-06	2.90E-05
567137	Am241	Am241			3.54E-10				2.41E-03	2.41E-03
567137	Cs137	Cs137			2.33E-08				7.97E-02	7.97E-02
567137	H3	H3	2.00E-10				5.42E-05			5.42E-05
567137	I129	I129	1.00E-15				9.55E-07			9.55E-07
567137	Pu238	Pu238			8.30E-11				5.00E-04	5.00E-04
567137	Pu239	Pu239			3.40E-09				2.29E-02	2.29E-02
567137	Pu240	Pu240			7.16E-10				4.83E-03	4.83E-03
567137	Pu241	Pu241			1.06E-08				1.35E-03	1.35E-03
567137	Pu242	Pu242			6.14E-14				3.91E-07	3.91E-07
567137	Ru106	Ru106			5.03E-16				5.23E-11	5.23E-11
567137	Sr90	Sr90			2.26E-08				2.10E-03	2.10E-03
567137	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
567137	U235	U235			3.39E-13				2.22E-07	2.22E-07
567137	U238	U238	1.00E-13		7.84E-12		1.98E-05		2.96E-06	2.28E-05
567142	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
567143	H3	H3	1.00E-12				2.71E-07			2.71E-07
567143	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
567144	H3	H3	1.00E-12				2.71E-07			2.71E-07
567144	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
567145	H3	H3	1.00E-12				2.71E-07			2.71E-07
567145	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
567146	H3	H3	1.00E-12				2.71E-07			2.71E-07
568132	H3	H3	2.00E-11				5.42E-06			5.42E-06
568132	I129	I129	1.00E-15				9.55E-07			9.55E-07
568133	H3	H3	1.50E-09				4.07E-04			4.07E-04
568133	I129	I129	2.00E-14				1.91E-05			1.91E-05
568134	H3	H3	2.50E-09				6.77E-04			6.77E-04
568134	I129	I129	2.00E-14				1.91E-05			1.91E-05
568134	Tc99	Tc99	1.00E-11				6.55E-05			6.55E-05
568134	U238	U238	1.00E-13				1.98E-05			1.98E-05
568135	H3	H3	3.00E-12				8.13E-07			8.13E-07
568135	I129	I129	1.00E-15				9.55E-07			9.55E-07
568135	Tc99	Tc99	1.00E-11				6.55E-05			6.55E-05
568135	U238	U238	1.00E-13				1.98E-05			1.98E-05
568136	H3	H3	2.00E-11				5.42E-06			5.42E-06
568136	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
568137	H3	H3	2.00E-11				5.42E-06			5.42E-06
568137	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
568142	H3	H3	2.00E-11				5.42E-06			5.42E-06
568142	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
568143	H3	H3	2.00E-11				5.42E-06			5.42E-06
568143	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
568144	H3	H3	1.00E-12				2.71E-07			2.71E-07
568144	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
568145	H3	H3	1.00E-12				2.71E-07			2.71E-07
568146	C14	C14			8.99E-11				2.55E-08	2.55E-08
568146	Co60	Co60			5.38E-14				3.49E-07	3.49E-07
568146	Cs134	Cs134			9.40E-17				1.55E-10	1.55E-10
568146	Cs137	Cs137			3.22E-13				1.10E-06	1.10E-06
568146	Eu152	Eu152			5.93E-13				2.85E-06	2.85E-06
568146	Eu154	Eu154			1.28E-13				5.63E-07	5.63E-07
568146	Eu155	Eu155			7.74E-14				3.28E-09	3.28E-09
568146	H3	H3	1.00E-12		5.68E-11		2.71E-07		5.85E-12	2.71E-07
568146	Sr90	Sr90	8.00E-15		4.94E-14		1.48E-06		4.60E-09	1.48E-06
568146	U238	U238			9.45E-17				3.56E-11	3.56E-11
568147	H3	H3	1.00E-12				2.71E-07			2.71E-07
569132	H3	H3	2.00E-11				5.42E-06			5.42E-06
569132	I129	I129	1.00E-15				9.55E-07			9.55E-07
569133	H3	H3	2.00E-10				5.42E-05			5.42E-05
569133	I129	I129	2.00E-14				1.91E-05			1.91E-05
569134	H3	H3	2.00E-10				5.42E-05			5.42E-05
569134	I129	I129	2.00E-14				1.91E-05			1.91E-05
569134	Tc99	Tc99	9.00E-13				5.89E-06			5.89E-06
569135	H3	H3	2.00E-10				5.42E-05			5.42E-05
569135	I129	I129	1.00E-15				9.55E-07			9.55E-07
569135	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
569136	H3	H3	2.00E-11				5.42E-06			5.42E-06
569136	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
569140	Cs137	Cs137			8.41E-09				2.88E-02	2.88E-02
569140	Ru106	Ru106			2.73E-20				2.84E-15	2.84E-15
569140	Sr90	Sr90			8.07E-09				7.51E-04	7.51E-04
569142	H3	H3	2.00E-11				5.42E-06			5.42E-06
569142	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
569143	H3	H3	2.00E-11				5.42E-06			5.42E-06
569143	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
569144	H3	H3	1.00E-12				2.71E-07			2.71E-07
569144	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
569145	H3	H3	1.00E-12				2.71E-07			2.71E-07
569146	C14	C14			6.33E-11				1.80E-08	1.80E-08

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Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
569146	Co60	Co60			9.55E-10				6.19E-03	6.19E-03
569146	Cs134	Cs134			1.06E-16				1.75E-10	1.75E-10
569146	Cs137	Cs137			5.48E-12				1.87E-05	1.87E-05
569146	Eu152	Eu152			2.37E-11				1.14E-04	1.14E-04
569146	Eu154	Eu154			3.73E-11				1.64E-04	1.64E-04
569146	Eu155	Eu155			3.03E-14				1.28E-09	1.28E-09
569146	H3	H3	2.00E-10		3.07E-11		5.42E-05		3.16E-12	5.42E-05
569146	Ni63	Ni63			2.17E-10				1.13E-06	1.13E-08
569146	Pu239	Pu239			1.38E-13				9.30E-07	9.30E-07
569146	Pu240	Pu240			9.30E-15				6.27E-08	6.27E-08
569146	Sr90	Sr90			5.63E-12				5.24E-07	5.24E-07
569146	U235	U235			1.19E-17				7.78E-12	7.78E-12
569146	U238	U238			1.23E-15				4.64E-10	4.64E-10
569147	C14	C14			4.28E-12				1.22E-09	1.22E-09
569147	Co60	Co60			1.65E-10				1.07E-03	1.07E-03
569147	Cs134	Cs134			1.03E-12				1.70E-06	1.70E-06
569147	Cs137	Cs137			7.34E-10				2.51E-03	2.51E-03
569147	Eu152	Eu152			2.87E-09				1.38E-02	1.38E-02
569147	Eu154	Eu154			7.49E-10				3.30E-03	3.30E-03
569147	Eu155	Eu155			2.97E-11				1.26E-06	1.26E-06
569147	H3	H3	2.00E-10		6.08E-11		5.42E-05		6.26E-12	5.42E-05
569147	Ni63	Ni63			6.53E-10				3.41E-08	3.41E-08
569147	Pu238	Pu238			8.84E-13				5.33E-06	5.33E-06
569147	Pu239	Pu239			2.21E-11				1.49E-04	1.49E-04
569147	Pu240	Pu240			2.45E-12				1.65E-05	1.65E-05
569147	Sr90	Sr90	8.00E-15		4.18E-11		1.48E-06		3.89E-06	5.37E-06
569147	U235	U235			1.33E-14				8.70E-09	8.70E-09
569147	U238	U238			1.51E-12				5.69E-07	5.69E-07
569148	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
570132	H3	H3	2.00E-11				5.42E-06			5.42E-06
570132	I129	I129	1.00E-15				9.55E-07			9.55E-07
570133	H3	H3	2.00E-10				5.42E-05			5.42E-05
570133	I129	I129	1.00E-15				9.55E-07			9.55E-07
570134	H3	H3	2.00E-10				5.42E-05			5.42E-05
570134	I129	I129	1.00E-15				9.55E-07			9.55E-07
570134	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
570135	H3	H3	2.00E-10				5.42E-05			5.42E-05
570135	I129	I129	1.00E-15				9.55E-07			9.55E-07
570135	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
570136	H3	H3	2.00E-11				5.42E-06			5.42E-06
570136	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
570139	H3	H3	1.00E-12				2.71E-07			2.71E-07
570139	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
570140	Am241	Am241			1.06E-12				7.21E-06	7.21E-06
570140	Cs137	Cs137			7.74E-11				2.65E-04	2.65E-04
570140	H3	H3	2.00E-11				5.42E-06			5.42E-06
570140	Pu238	Pu238			2.48E-13				1.50E-06	1.50E-06
570140	Pu239	Pu239			1.93E-11				1.30E-04	1.30E-04
570140	Pu240	Pu240			2.15E-12				1.45E-05	1.45E-05
570140	Pu241	Pu241			3.05E-11				3.87E-06	3.87E-06
570140	Pu242	Pu242			1.84E-18				1.17E-09	1.17E-09
570140	Ru106	Ru106			2.92E-22				3.04E-17	3.04E-17
570140	Sr90	Sr90			7.44E-11				6.93E-06	6.93E-06
570140	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
570140	U235	U235			1.70E-15				1.11E-09	1.11E-09
570140	U238	U238			2.41E-13				9.09E-08	9.09E-08
570141	H3	H3	2.00E-11				5.42E-06			5.42E-08
570141	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
570142	H3	H3	2.00E-11				5.42E-06			5.42E-06
570142	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
570143	H3	H3	2.00E-11				5.42E-06			5.42E-06
570143	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
570144	H3	H3	1.00E-12				2.71E-07			2.71E-07
570144	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
570145	H3	H3	1.00E-12				2.71E-07			2.71E-07
570146	H3	H3	1.00E-12				2.71E-07			2.71E-07
570147	H3	H3	1.00E-12				2.71E-07			2.71E-07
570148	H3	H3	1.00E-12				2.71E-07			2.71E-07
570149	H3	H3	1.00E-12				2.71E-07			2.71E-07
571132	H3	H3	1.00E-12				2.71E-07			2.71E-07
571133	H3	H3	2.00E-11				5.42E-06			5.42E-06
571134	H3	H3	2.00E-11				5.42E-06			5.42E-06
571135	H3	H3	2.00E-11				5.42E-06			5.42E-06
571136	H3	H3	2.00E-11				5.42E-06			5.42E-06
571137	H3	H3	2.00E-11				5.42E-06			5.42E-06
571139	H3	H3	1.00E-12				2.71E-07			2.71E-07
571139	Tc99	Tc99	9.00E-13				5.89E-06			5.89E-06
571140	Am241	Am241			1.55E-12				1.05E-05	1.05E-05
571140	Cs137	Cs137			1.13E-10				3.86E-04	3.86E-04
571140	H3	H3	1.00E-12				2.71E-07			2.71E-07
571140	Pu238	Pu238			3.61E-13				2.18E-06	2.18E-06
571140	Pu239	Pu239			2.81E-11				1.89E-04	1.89E-04

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
571140	Pu240	Pu240			3.14E-12				2.12E-05	2.12E-05
571140	Pu241	Pu241			4.44E-11				5.64E-06	5.64E-06
571140	Pu242	Pu242			2.68E-16				1.71E-09	1.71E-09
571140	Ru106	Ru106			4.27E-22				4.44E-17	4.44E-17
571140	Sr90	Sr90			1.09E-10				1.01E-05	1.01E-05
571140	Tc99	Tc99	9.00E-13				5.89E-06			5.89E-06
571140	U235	U235			2.48E-15				1.62E-09	1.62E-09
571140	U238	U238			3.52E-13				1.33E-07	1.33E-07
571141	H3	H3	2.00E-11				5.42E-06			5.42E-06
571141	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
571142	H3	H3	2.00E-11				5.42E-06			5.42E-06
571142	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
571143	H3	H3	1.00E-12				2.71E-07			2.71E-07
571143	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
571144	H3	H3	1.00E-12				2.71E-07			2.71E-07
571144	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
571145	H3	H3	1.00E-12				2.71E-07			2.71E-07
571146	H3	H3	1.00E-12				2.71E-07			2.71E-07
571147	H3	H3	1.00E-12				2.71E-07			2.71E-07
571148	H3	H3	1.00E-12				2.71E-07			2.71E-07
571149	Ce144	Ce144			1.23E-14				2.09E-10	2.09E-10
571149	Co60	Co60			1.15E-08				7.45E-02	7.45E-02
571149	Cs134	Cs134			6.23E-11				1.03E-04	1.03E-04
571149	Cs137	Cs137			1.25E-08				4.28E-02	4.28E-02
571149	H3	H3	2.00E-11		2.66E-12		5.42E-06		2.74E-13	5.42E-06
571149	Mn54	Mn54			3.09E-14				1.18E-08	1.18E-08
571149	Nb95	Nb95			1.02E-28				3.93E-24	3.93E-24
571149	Pu239	Pu239			1.08E-10				7.28E-04	7.28E-04
571149	Ru103	Ru103			4.97E-27				1.23E-22	1.23E-22
571149	Ru106	Ru106			3.30E-11				3.43E-06	3.43E-06
571149	Sr90	Sr90	1.00E-12		9.35E-09		1.85E-04		8.70E-04	1.06E-03
571149	Tc99	Tc99			4.18E-12				9.91E-10	9.91E-10
571150	H3	H3	2.00E-11				5.42E-06			5.42E-06
571150	Sr90	Sr90	5.00E-14				9.25E-06			9.25E-06
572133	H3	H3	1.00E-12				2.71E-07			2.71E-07
572134	H3	H3	1.00E-12				2.71E-07			2.71E-07
572135	H3	H3	2.00E-11				5.42E-06			5.42E-06
572136	H3	H3	2.00E-11				5.42E-06			5.42E-06
572137	H3	H3	2.00E-10				5.42E-05			5.42E-05
572137	Tc99	Tc99	9.00E-13				5.89E-06			5.89E-06
572138	H3	H3	1.00E-12				2.71E-07			2.71E-07

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
572138	I129	I129	1.00E-15				9.55E-07			9.55E-07
572138	Tc99	Tc99	9.00E-13				5.89E-06			5.89E-06
572139	H3	H3	1.00E-12				2.71E-07			2.71E-07
572139	Tc99	Tc99	9.00E-13				5.89E-06			5.89E-06
572140	H3	H3	1.00E-12				2.71E-07			2.71E-07
572140	Tc99	Tc99	9.00E-13				5.89E-06			5.89E-06
572141	H3	H3	1.00E-12				2.71E-07			2.71E-07
572142	H3	H3	1.00E-12				2.71E-07			2.71E-07
572142	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
572143	H3	H3	1.00E-12				2.71E-07			2.71E-07
572143	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
572144	H3	H3	1.00E-12				2.71E-07			2.71E-07
572145	H3	H3	1.00E-12				2.71E-07			2.71E-07
572146	H3	H3	1.00E-12				2.71E-07			2.71E-07
572147	H3	H3	1.00E-12				2.71E-07			2.71E-07
572148	H3	H3	1.00E-12				2.71E-07			2.71E-07
572149	H3	H3	2.00E-11				5.42E-06			5.42E-06
572149	Sr90	Sr90	5.00E-14				9.25E-06			9.25E-06
572150	C14	C14			3.87E-12				1.10E-09	1.10E-09
572150	Co60	Co60			3.18E-09				2.06E-02	2.06E-02
572150	Cs137	Cs137			8.44E-12				2.89E-05	2.89E-05
572150	Eu152	Eu152			8.24E-11				3.96E-04	3.96E-04
572150	Eu154	Eu154			1.27E-10				5.59E-04	5.59E-04
572150	H3	H3	2.00E-11		1.74E-11		5.42E-06		1.79E-12	5.42E-06
572150	Ni63	Ni63			5.53E-10				2.89E-08	2.89E-08
572150	Sr90	Sr90			8.44E-12				7.86E-07	7.86E-07
572151	H3	H3	1.00E-12				2.71E-07			2.71E-07
573134	Am241	Am241			1.43E-10				9.72E-04	9.72E-04
573134	Cs137	Cs137			9.43E-07				3.23E+00	1.00E+00
573134	H3	H3	1.00E-12				2.71E-07			2.71E-07
573134	Pu238	Pu238			3.34E-11				2.01E-04	2.01E-04
573134	Pu239	Pu239			2.60E-09				1.75E-02	1.75E-02
573134	Pu240	Pu240			2.90E-10				1.95E-03	1.95E-03
573134	Pu241	Pu241			4.11E-09				5.22E-04	5.22E-04
573134	Pu242	Pu242			2.48E-14				1.58E-07	1.58E-07
573134	Ru106	Ru106			1.88E-15				1.96E-10	1.96E-10
573134	Sr90	Sr90			8.58E-07				7.99E-02	7.99E-02
573134	U235	U235			1.02E-12				6.67E-07	6.67E-07
573134	U238	U238			1.44E-10				5.43E-05	5.43E-05
573135	H3	H3	2.00E-10				5.42E-05			5.42E-05
573135	I129	I129	1.00E-15				9.55E-07			9.55E-07

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
573136	Am241	Am241			9.89E-10				6.73E-03	6.73E-03
573136	Co60	Co60			3.16E-09				2.05E-02	2.05E-02
573136	Cs137	Cs137			9.94E-08				3.40E-01	3.40E-01
573136	Cs137	Cs137	1.20E-13				1.69E-05			1.69E-05
573136	H3	H3	2.00E-10		5.38E-10		5.42E-05		5.54E-11	5.42E-05
573136	I129	I129	1.00E-15				9.55E-07			9.55E-07
573136	Pu238	Pu238			2.31E-10				1.39E-03	1.39E-03
573136	Pu239	Pu239			5.85E-08				3.94E-01	3.94E-01
573136	Pu240	Pu240			2.00E-09				1.35E-02	1.35E-02
573136	Pu241	Pu241			2.84E-08				3.61E-03	3.61E-03
573136	Pu242	Pu242			1.71E-13				1.09E-06	1.09E-06
573136	Ru106	Ru106			1.55E-13				1.61E-08	1.61E-08
573136	Sr90	Sr90	2.50E-12		3.93E-08		4.63E-04		3.66E-03	4.12E-03
573136	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
573136	U235	U235			1.82E-10				1.19E-04	1.19E-04
573136	U238	U238			2.23E-10				8.41E-05	8.41E-05
573137	Am241	Am241			4.61E-10				3.13E-03	3.13E-03
573137	Cs137	Cs137			1.94E-07				6.63E-01	6.63E-01
573137	H3	H3	2.00E-10				5.42E-05			5.42E-05
573137	I129	I129	1.00E-14				9.55E-06			9.55E-06
573137	Pu238	Pu238			1.06E-10				6.39E-04	6.39E-04
573137	Pu239	Pu239			9.32E-09				6.28E-02	6.28E-02
573137	Pu240	Pu240			9.43E-10				6.36E-03	6.36E-03
573137	Pu241	Pu241			1.23E-08				1.56E-03	1.56E-03
573137	Pu242	Pu242			8.07E-14				5.14E-07	5.14E-07
573137	Ru106	Ru106			8.69E-17				9.04E-12	9.04E-12
573137	Sr90	Sr90			2.43E-07				2.26E-02	2.26E-02
573137	Tc99	Tc99	2.50E-12				1.64E-05			1.64E-05
573137	U235	U235			1.16E-13				7.59E-08	7.59E-08
573137	U238	U238			6.88E-12				2.59E-06	2.59E-06
573138	Co60	Co60	1.00E-13				7.54E-06			7.54E-06
573138	H3	H3	1.00E-12				2.71E-07			2.71E-07
573138	Tc99	Tc99	2.00E-11				1.31E-04			1.31E-04
573139	Co60	Co60	1.00E-13				7.54E-06			7.54E-06
573139	H3	H3	1.00E-12				2.71E-07			2.71E-07
573139	Tc99	Tc99	2.50E-12				1.64E-05			1.64E-05
573140	H3	H3	1.00E-12				2.71E-07			2.71E-07
573140	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
573141	CO60	Cobalt		2.64E-14				1.99E-06		1.99E-06
573141	CS137	Cesium 134		9.64E-15				1.36E-06		1.36E-06
573141	H3	H3	1.00E-12				2.71E-07			2.71E-07

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
573141	H3	Tritium		5.12E-12				1.39E-06		1.39E-06
573141	RU106	Ruthenium		7.97E-13				3.88E-05		3.88E-05
573141	SR90	Strontium		1.93E-14				3.57E-06		3.57E-06
573141	TC99	Technecium		1.07E-12				7.01E-06		7.01E-06
573142	H3	H3	1.00E-12				2.71E-07			2.71E-07
573142	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
573143	H3	H3	1.00E-12				2.71E-07			2.71E-07
573143	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
573144	H3	H3	1.00E-12				2.71E-07			2.71E-07
573145	H3	H3	1.00E-12				2.71E-07			2.71E-07
573146	H3	H3	1.00E-12				2.71E-07			2.71E-07
573147	H3	H3	1.00E-12				2.71E-07			2.71E-07
573148	H3	H3	1.00E-12				2.71E-07			2.71E-07
573149	H3	H3	2.00E-11				5.42E-06			5.42E-06
573150	Co60	Co60			1.80E-10				1.17E-03	1.17E-03
573150	H3	H3	2.00E-11				5.42E-06			5.42E-06
573151	C14	C14			1.42E-12				4.03E-10	4.03E-10
573151	Co60	Co60			1.29E-09				8.36E-03	8.36E-03
573151	Cs134	Cs134			5.98E-16				9.87E-10	9.87E-10
573151	Cs137	Cs137			6.08E-12				2.08E-05	2.08E-05
573151	Eu152	Eu152			2.92E-11				1.40E-04	1.40E-04
573151	Eu154	Eu154			4.43E-11				1.95E-04	1.95E-04
573151	Eu155	Eu155			4.06E-13				1.72E-08	1.72E-08
573151	H3	H3	2.00E-11		8.59E-12		5.42E-06		8.85E-13	5.42E-06
573151	Ni63	Ni63			1.14E-10				5.95E-09	5.95E-09
573151	Pu239	Pu239			6.13E-14				4.13E-07	4.13E-07
573151	Pu240	Pu240			6.78E-15				4.57E-08	4.57E-08
573151	Sr90	Sr90	8.00E-15		3.31E-12		1.48E-06		3.08E-07	1.79E-06
573151	U235	U235			1.13E-16				7.39E-11	7.39E-11
573151	U238	U238			1.41E-14				5.32E-09	5.32E-09
573152	Co60	Co60			7.14E-13				4.63E-06	4.63E-06
573152	Cs134	Cs134			4.77E-16				7.87E-10	7.87E-10
573152	Cs137	Cs137			9.75E-12				3.33E-05	3.33E-05
573152	Eu152	Eu152			4.97E-12				2.39E-05	2.39E-05
573152	Eu154	Eu154			7.89E-13				3.47E-06	3.47E-06
573152	Eu155	Eu155			5.33E-14				2.26E-09	2.26E-09
573152	H3	H3	1.00E-12		4.18E-13		2.71E-07		4.31E-14	2.71E-07
573152	Pu238	Pu238			6.78E-16				4.09E-09	4.09E-09
573152	Pu239	Pu239			6.58E-14				4.43E-07	4.43E-07
573152	Pu240	Pu240			2.58E-15				1.74E-08	1.74E-08
573152	Sr90	Sr90			2.57E-13				2.39E-08	2.39E-08

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
573152	U235	U235			3.12E-14				2.04E-08	2.04E-08
573152	U238	U238			2.05E-14				7.73E-09	7.73E-09
574132	H3	H3	1.00E-12				2.71E-07			2.71E-07
574133	H3	H3	1.00E-12				2.71E-07			2.71E-07
574134	H3	H3	2.00E-10				5.42E-05			5.42E-05
574134	I129	I129	1.00E-15				9.55E-07			9.55E-07
574134	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
574134	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
574135	Am241	Am241			1.41E-10				9.59E-04	9.59E-04
574135	Cs137	Cs137			4.10E-09				1.40E-02	1.40E-02
574135	H3	H3	2.50E-09		2.90E-07		6.77E-04		2.99E-08	6.78E-04
574135	I129	I129	2.00E-14		1.68E-12		1.91E-05		6.32E-08	1.92E-05
574135	Pm147	Pm147			4.90E-12				4.90E-10	4.90E-10
574135	Pu238	Pu238			3.56E-11				2.15E-04	2.15E-04
574135	Pu239	Pu239			1.64E-09				1.11E-02	1.11E-02
574135	Pu240	Pu240			2.63E-10				1.77E-03	1.77E-03
574135	Pu241	Pu241			4.52E-09				5.74E-04	5.74E-04
574135	Pu242	Pu242			2.24E-14				1.43E-07	1.43E-07
574135	Ru106	Ru106			4.84E-12				5.03E-07	5.03E-07
574135	Sr90	Sr90	8.00E-15		4.13E-09		1.48E-06		3.85E-04	3.86E-04
574135	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
574135	U235	U235			1.04E-13				6.80E-08	6.80E-08
574135	U238	U238			3.35E-12				1.26E-06	1.26E-06
574136	Am241	Am241			3.77E-10				2.56E-03	2.56E-03
574136	Cs137	Cs137			1.27E-09				4.34E-03	4.34E-03
574136	Eu154	Eu154			7.05E-18				3.10E-11	3.10E-11
574136	H3	H3	2.50E-09				6.77E-04			6.77E-04
574136	I129	I129	5.00E-15				4.77E-06			4.77E-06
574136	Pu238	Pu238			8.86E-11				5.34E-04	5.34E-04
574136	Pu239	Pu239			3.34E-09				2.25E-02	2.25E-02
574136	Pu240	Pu240			7.61E-10				5.13E-03	5.13E-03
574136	Pu241	Pu241			1.14E-08				1.45E-03	1.45E-03
574136	Pu242	Pu242			6.53E-14				4.16E-07	4.16E-07
574136	Ru106	Ru106			8.52E-17				8.86E-12	8.86E-12
574136	Sr90	Sr90			2.40E-09				2.23E-04	2.23E-04
574136	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
574136	U235	U235			1.02E-13				6.67E-08	6.67E-08
574136	U238	U238			2.95E-12				1.11E-06	1.11E-06
574137	H3	H3	2.00E-11				5.42E-06			5.42E-06
574137	I129	I129	1.00E-15				9.55E-07			9.55E-07
574137	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
574138	Co60	Co60	1.00E-13				7.54E-06			7.54E-06
574138	H3	H3	1.00E-12				2.71E-07			2.71E-07
574138	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
574138	Tc99	Tc99	5.00E-12				3.27E-05			3.27E-05
574139	Am241	Am241			1.07E-11				7.28E-05	7.28E-05
574139	Cs137	Cs137			2.55E-09				8.72E-03	8.72E-03
574139	H3	H3	1.00E-12		8.07E-10		2.71E-07		8.31E-11	2.71E-07
574139	Pm147	Pm147			5.45E-12				5.45E-10	5.45E-10
574139	Pu238	Pu238			2.49E-12				1.50E-05	1.50E-05
574139	Pu239	Pu239			1.99E-10				1.34E-03	1.34E-03
574139	Pu240	Pu240			2.16E-11				1.46E-04	1.46E-04
574139	Pu241	Pu241			3.07E-10				3.90E-05	3.90E-05
574139	Pu242	Pu242			1.85E-15				1.18E-08	1.18E-08
574139	Ru106	Ru106			6.14E-16				6.39E-11	6.39E-11
574139	Sr90	Sr90	8.00E-15		2.75E-09		1.48E-06		2.56E-04	2.58E-04
574139	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
574139	U235	U235			1.13E-13				7.39E-08	7.39E-08
574139	U238	U238			1.60E-11				6.03E-06	6.03E-06
574140	H3	H3	1.00E-12				2.71E-07			2.71E-07
574140	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
574141	H3	H3	1.00E-12				2.71E-07			2.71E-07
574142	H3	H3	1.00E-12				2.71E-07			2.71E-07
574143	H3	H3	1.00E-12				2.71E-07			2.71E-07
574144	H3	H3	1.00E-12				2.71E-07			2.71E-07
574145	H3	H3	1.00E-12				2.71E-07			2.71E-07
574146	H3	H3	1.00E-12				2.71E-07			2.71E-07
574147	H3	H3	1.00E-12				2.71E-07			2.71E-07
574148	H3	H3	1.00E-12				2.71E-07			2.71E-07
574149	H3	H3	2.00E-11				5.42E-06			5.42E-06
574150	H3	H3	2.00E-11				5.42E-06			5.42E-06
574151	H3	H3	2.00E-11				5.42E-06			5.42E-06
574152	Co60	Co60			1.61E-10				1.04E-03	1.04E-03
574152	Cs134	Cs134			1.56E-13				2.57E-07	2.57E-07
574152	Cs137	Cs137			2.96E-09				1.01E-02	1.01E-02
574152	Eu152	Eu152			1.09E-09				5.24E-03	5.24E-03
574152	Eu154	Eu154			1.77E-10				7.79E-04	7.79E-04
574152	Eu155	Eu155			1.51E-11				6.40E-07	6.40E-07
574152	H3	H3	1.00E-12		8.84E-11		2.71E-07		9.11E-12	2.71E-07
574152	Pu239	Pu239			7.69E-12				5.18E-05	5.18E-05
574152	Pu240	Pu240			8.54E-13				5.76E-06	5.76E-06
574152	Sr90	Sr90			6.78E-11				6.31E-06	6.31E-06

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
574152	U235	U235			5.88E-14				3.85E-08	3.85E-08
574152	U238	U238			6.78E-12				2.56E-06	2.56E-06
574153	H3	H3	1.00E-12				2.71E-07			2.71E-07
574154	H3	H3	1.00E-12				2.71E-07			2.71E-07
575131	H3	H3	1.00E-12				2.71E-07			2.71E-07
575132	H3	H3	2.00E-11				5.42E-06			5.42E-06
575133	H3	H3	2.00E-11				5.42E-06			5.42E-06
575134	H3	H3	2.00E-10				5.42E-05			5.42E-05
575134	I129	I129	1.00E-15				9.55E-07			9.55E-07
575134	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
575134	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
575135	Am241	Am241			1.94E-10				1.32E-03	1.32E-03
575135	Cs137	Cs137			1.38E-07				4.72E-01	4.72E-01
575135	H3	H3	2.50E-09		6.14E-08		6.77E-04		6.32E-09	6.78E-04
575135	I129	I129	2.00E-14		3.65E-13		1.91E-05		1.37E-08	1.91E-05
575135	Pm147	Pm147			7.22E-11				7.22E-09	7.22E-09
575135	Pu238	Pu238			4.24E-11				2.56E-04	2.56E-04
575135	Pu239	Pu239			3.32E-09				2.24E-02	2.24E-02
575135	Pu240	Pu240			3.69E-10				2.49E-03	2.49E-03
575135	Pu241	Pu241			5.24E-09				6.65E-04	6.65E-04
575135	Pu242	Pu242			3.15E-14				2.01E-07	2.01E-07
575135	Ru106	Ru106			9.49E-11				9.87E-06	9.87E-06
575135	Sn113	Sn113			1.79E-13				2.94E-11	2.94E-11
575135	Sr90	Sr90	8.00E-15		1.35E-07		1.48E-06		1.26E-02	1.26E-02
575135	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
575135	U235	U235			2.33E-13				1.52E-07	1.52E-07
575135	U238	U238			3.30E-11				1.24E-05	1.24E-05
575136	Am241	Am241			7.05E-12				4.79E-05	4.79E-05
575136	Cs137	Cs137			3.10E-08				1.06E-01	1.06E-01
575136	H3	H3	2.00E-11		6.53E-12		5.42E-06		6.73E-13	5.42E-06
575136	I129	I129	5.00E-15				4.77E-06			4.77E-06
575136	Pu238	Pu238			1.65E-12				9.95E-06	9.95E-06
575136	Pu239	Pu239			1.29E-10				8.69E-04	8.69E-04
575136	Pu240	Pu240			1.44E-11				9.71E-05	9.71E-05
575136	Pu241	Pu241			2.03E-10				2.58E-05	2.58E-05
575136	Pu242	Pu242			1.23E-15				7.84E-09	7.84E-09
575136	Ru106	Ru106			9.09E-16				9.45E-11	9.45E-11
575136	Sr90	Sr90	8.00E-15		1.76E-08		1.48E-06		1.64E-03	1.64E-03
575136	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
575136	U235	U235			1.82E-12				1.19E-06	1.19E-06
575136	U238	U238			2.59E-10				9.76E-05	9.76E-05

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
575137	Am241	Am241			4.11E-12				2.79E-05	2.79E-05
575137	Cs137	Cs137			3.24E-12				1.11E-05	1.11E-05
575137	H3	H3	2.00E-11				5.42E-06			5.42E-06
575137	I129	I129	1.00E-15				9.55E-07			9.55E-07
575137	Pu238	Pu238			9.66E-13				5.82E-06	5.82E-06
575137	Pu239	Pu239			3.64E-11				2.45E-04	2.45E-04
575137	Pu240	Pu240			8.30E-12				5.59E-05	5.59E-05
575137	Pu241	Pu241			1.24E-10				1.57E-05	1.57E-05
575137	Pu242	Pu242			7.10E-16				4.52E-09	4.52E-09
575137	Ru106	Ru106			7.22E-21				7.51E-16	7.51E-16
575137	Sr90	Sr90	8.00E-15		2.89E-12		1.48E-06		2.69E-07	1.75E-06
575137	U235	U235			9.43E-16				6.17E-10	6.17E-10
575137	U238	U238			2.07E-14				7.80E-09	7.80E-09
575139	H3	H3	1.00E-12				2.71E-07			2.71E-07
575139	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
575140	H3	H3	1.00E-12				2.71E-07			2.71E-07
575140	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
575141	H3	H3	1.00E-12				2.71E-07			2.71E-07
575142	H3	H3	1.00E-12				2.71E-07			2.71E-07
575143	H3	H3	1.00E-12				2.71E-07			2.71E-07
575144	H3	H3	1.00E-12				2.71E-07			2.71E-07
575145	H3	H3	1.00E-12				2.71E-07			2.71E-07
575146	H3	H3	1.00E-12				2.71E-07			2.71E-07
575147	H3	H3	1.00E-12				2.71E-07			2.71E-07
575148	H3	H3	1.00E-12				2.71E-07			2.71E-07
575149	H3	H3	1.00E-12				2.71E-07			2.71E-07
575150	H3	H3	1.00E-12				2.71E-07			2.71E-07
575152	H3	H3	1.00E-12				2.71E-07			2.71E-07
575153	H3	H3	1.00E-12				2.71E-07			2.71E-07
575154	H3	H3	1.00E-12				2.71E-07			2.71E-07
576130	H3	H3	1.00E-12				2.71E-07			2.71E-07
576131	H3	H3	2.00E-11				5.42E-06			5.42E-06
576132	H3	H3	2.00E-10				5.42E-05			5.42E-05
576132	I129	I129	1.00E-15				9.55E-07			9.55E-07
576133	H3	H3	2.00E-10				5.42E-05			5.42E-05
576133	I129	I129	1.00E-15				9.55E-07			9.55E-07
576134	H3	H3	2.00E-11				5.42E-06			5.42E-06
576134	I129	I129	1.00E-15				9.55E-07			9.55E-07
576135	H3	H3	2.00E-11				5.42E-06			5.42E-06
576135	I129	I129	1.00E-15				9.55E-07			9.55E-07
576136	Am241	Am241			4.70E-11				3.20E-04	3.20E-04

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Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
576136	Be7	Beryllium 7		1.55E-13				2.39E-08		2.39E-08
576136	CO60	Cobalt		4.74E-15				3.57E-07		3.57E-07
576136	CS134	Cesium 134		7.33E-15				1.51E-06		1.51E-06
576136	Cs137	Cs137			9.32E-10				3.19E-03	3.19E-03
576136	EU154	Europium 154		1.29E-14				4.79E-07		4.79E-07
576136	EU155	Europium 155		2.34E-14				1.27E-07		1.27E-07
576136	H3	H3	2.00E-11		5.74E-10		5.42E-06		5.91E-11	5.42E-06
576136	H3	Tritium		4.69E-12				1.27E-06		1.27E-06
576136	I129	I129	1.00E-15				9.55E-07			9.55E-07
576136	K40	Potassium		7.14E-13				3.95E-05		3.95E-05
576136	Pm147	Pm147			5.41E-17				5.41E-15	5.41E-15
576136	Pu238	Pu238			2.45E-12				1.48E-05	1.48E-05
576136	Pu239	Pu239			2.85E-10				1.92E-03	1.92E-03
576136	Pu240	Pu240			3.00E-11				2.02E-04	2.02E-04
576136	Pu241	Pu241			4.95E-11				6.29E-06	6.29E-06
576136	Pu242	Pu242			2.57E-15				1.64E-08	1.64E-08
576136	Ru106	Ru106			7.95E-25				8.27E-20	8.27E-20
576136	RU106	Ruthenium		8.34E-14				4.06E-06		4.06E-06
576136	Sr90	Sr90			9.20E-10				8.57E-05	8.57E-05
576136	TC99	Technecium		3.55E-09				2.33E-02		2.33E-02
576136	U235	U235			1.32E-13				8.63E-08	8.63E-08
576136	U238	U238			1.88E-11				7.09E-06	7.09E-06
576136	ZN65	Zinc		1.45E-14				6.19E-07		6.19E-07
576137	H3	H3	2.00E-11				5.42E-06			5.42E-06
576137	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
576138	H3	H3	1.00E-12				2.71E-07			2.71E-07
576139	H3	H3	1.00E-12				2.71E-07			2.71E-07
576139	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
576140	H3	H3	1.00E-12				2.71E-07			2.71E-07
576142	H3	H3	1.00E-12				2.71E-07			2.71E-07
576143	H3	H3	1.00E-12				2.71E-07			2.71E-07
576144	H3	H3	1.00E-12				2.71E-07			2.71E-07
576145	H3	H3	1.00E-12				2.71E-07			2.71E-07
576146	H3	H3	1.00E-12				2.71E-07			2.71E-07
576147	H3	H3	1.00E-12				2.71E-07			2.71E-07
576148	H3	H3	1.00E-12				2.71E-07			2.71E-07
576149	H3	H3	1.00E-12				2.71E-07			2.71E-07
576150	H3	H3	1.00E-12				2.71E-07			2.71E-07
576151	H3	H3	1.00E-12				2.71E-07			2.71E-07
576152	H3	H3	1.00E-12				2.71E-07			2.71E-07
576153	H3	H3	1.00E-12				2.71E-07			2.71E-07

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
576154	H3	H3	1.00E-12				2.71E-07			2.71E-07
577128	H3	H3	1.00E-12				2.71E-07			2.71E-07
577129	H3	H3	1.00E-12				2.71E-07			2.71E-07
577130	H3	H3	2.00E-11				5.42E-06			5.42E-06
577131	H3	H3	2.00E-11				5.42E-06			5.42E-06
577132	H3	H3	2.00E-10				5.42E-05			5.42E-05
577132	I129	I129	1.00E-15				9.55E-07			9.55E-07
577133	H3	H3	2.00E-10				5.42E-05			5.42E-05
577133	I129	I129	5.00E-15				4.77E-06			4.77E-06
577134	H3	H3	2.00E-11				5.42E-06			5.42E-06
577134	I129	I129	1.00E-15				9.55E-07			9.55E-07
577135	H3	H3	2.00E-11				5.42E-06			5.42E-06
577136	H3	H3	2.00E-11				5.42E-06			5.42E-06
577137	H3	H3	2.00E-11				5.42E-06			5.42E-06
577138	H3	H3	1.00E-12				2.71E-07			2.71E-07
577139	H3	H3	1.00E-12				2.71E-07			2.71E-07
577140	H3	H3	1.00E-12				2.71E-07			2.71E-07
577142	H3	H3	1.00E-12				2.71E-07			2.71E-07
577143	H3	H3	1.00E-12				2.71E-07			2.71E-07
577144	H3	H3	1.00E-12				2.71E-07			2.71E-07
577145	H3	H3	1.00E-12				2.71E-07			2.71E-07
577146	H3	H3	1.00E-12				2.71E-07			2.71E-07
577147	H3	H3	1.00E-12				2.71E-07			2.71E-07
577148	H3	H3	1.00E-12				2.71E-07			2.71E-07
577149	H3	H3	1.00E-12				2.71E-07			2.71E-07
577150	H3	H3	1.00E-12				2.71E-07			2.71E-07
577151	H3	H3	1.00E-12				2.71E-07			2.71E-07
577152	C14	C14			2.48E-12				7.04E-10	7.04E-10
577152	Co60	Co60			1.42E-09				9.20E-03	9.20E-03
577152	Cs134	Cs134			4.09E-17				6.75E-11	6.75E-11
577152	Cs137	Cs137			8.78E-12				3.00E-05	3.00E-05
577152	Eu152	Eu152			5.35E-11				2.57E-04	2.57E-04
577152	Eu154	Eu154			7.01E-11				3.08E-04	3.08E-04
577152	Eu155	Eu155			1.26E-13				5.34E-09	5.34E-09
577152	H3	H3	2.00E-11		1.12E-11		5.42E-06		1.15E-12	5.42E-06
577152	Pu238	Pu238			5.13E-15				3.09E-08	3.09E-08
577152	Pu239	Pu239			1.77E-13				1.19E-06	1.19E-06
577152	Pu240	Pu240			1.46E-16				9.84E-10	9.84E-10
577152	Sr90	Sr90	8.00E-15		5.63E-12		1.48E-06		5.24E-07	2.00E-06
577152	U235	U235			1.76E-13				1.15E-07	1.15E-07
577152	U238	U238	2.00E-17		2.18E-14		3.96E-09		8.22E-09	1.22E-08

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Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
577153	H3	H3	1.00E-12				2.71E-07			2.71E-07
577153	U238	U238	4.00E-17				7.92E-09			7.92E-09
578127	H3	H3	1.00E-12				2.71E-07			2.71E-07
578128	H3	H3	1.00E-12				2.71E-07			2.71E-07
578129	H3	H3	2.00E-11				5.42E-06			5.42E-06
578130	H3	H3	2.00E-11				5.42E-06			5.42E-06
578131	H3	H3	2.00E-10				5.42E-05			5.42E-05
578131	I129	I129	1.00E-15				9.55E-07			9.55E-07
578132	H3	H3	2.00E-10				5.42E-05			5.42E-05
578132	I129	I129	1.00E-15				9.55E-07			9.55E-07
578133	H3	H3	2.00E-10				5.42E-05			5.42E-05
578133	I129	I129	1.00E-15				9.55E-07			9.55E-07
578134	H3	H3	2.00E-11				5.42E-06			5.42E-06
578135	H3	H3	2.00E-11				5.42E-06			5.42E-06
578136	H3	H3	2.00E-11				5.42E-06			5.42E-06
578137	H3	H3	1.00E-12				2.71E-07			2.71E-07
578138	H3	H3	1.00E-12				2.71E-07			2.71E-07
578139	H3	H3	1.00E-12				2.71E-07			2.71E-07
578142	H3	H3	1.00E-12				2.71E-07			2.71E-07
578143	H3	H3	1.00E-12				2.71E-07			2.71E-07
578144	H3	H3	1.00E-12				2.71E-07			2.71E-07
578145	H3	H3	1.00E-12				2.71E-07			2.71E-07
578146	H3	H3	1.00E-12				2.71E-07			2.71E-07
578147	H3	H3	1.00E-12				2.71E-07			2.71E-07
578148	H3	H3	1.00E-12				2.71E-07			2.71E-07
578149	H3	H3	1.00E-12				2.71E-07			2.71E-07
578150	H3	H3	1.00E-12				2.71E-07			2.71E-07
578151	H3	H3	1.00E-12				2.71E-07			2.71E-07
578152	C14	C14			5.59E-14				1.59E-11	1.59E-11
578152	Co60	Co60			9.70E-13				6.29E-06	6.29E-06
578152	Cs134	Cs134			1.59E-17				2.62E-11	2.62E-11
578152	Cs137	Cs137			6.16E-12				2.11E-05	2.11E-05
578152	Eu152	Eu152			1.29E-11				6.20E-05	6.20E-05
578152	Eu154	Eu154			5.50E-12				2.42E-05	2.42E-05
578152	Eu155	Eu155			1.26E-13				5.34E-09	5.34E-09
578152	H3	H3	1.00E-12		5.82E-14		2.71E-07		5.99E-15	2.71E-07
578152	Pu238	Pu238			5.94E-15				3.58E-08	3.58E-08
578152	Pu239	Pu239			1.50E-13				1.01E-06	1.01E-06
578152	Pu240	Pu240			9.27E-15				6.25E-08	6.25E-08
578152	Sr90	Sr90	8.00E-15		1.14E-12		1.48E-06		1.06E-07	1.59E-06
578152	U235	U235			6.83E-14				4.47E-08	4.47E-08

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
578152	U238	U238	4.00E-17		2.20E-13		7.92E-09		8.29E-08	9.09E-08
578153	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
579126	H3	H3	1.00E-12				2.71E-07			2.71E-07
579127	H3	H3	1.00E-12				2.71E-07			2.71E-07
579128	H3	H3	2.00E-11				5.42E-06			5.42E-06
579129	H3	H3	2.00E-11				5.42E-06			5.42E-06
579129	I129	I129	1.00E-15				9.55E-07			9.55E-07
579130	H3	H3	2.00E-10				5.42E-05			5.42E-05
579130	I129	I129	1.00E-15				9.55E-07			9.55E-07
579131	H3	H3	2.00E-10				5.42E-05			5.42E-05
579131	I129	I129	1.00E-15				9.55E-07			9.55E-07
579132	H3	H3	2.00E-10				5.42E-05			5.42E-05
579132	I129	I129	1.00E-15				9.55E-07			9.55E-07
579133	H3	H3	2.00E-11				5.42E-06			5.42E-06
579133	I129	I129	1.00E-15				9.55E-07			9.55E-07
579134	H3	H3	2.00E-11				5.42E-06			5.42E-06
579135	H3	H3	1.00E-12				2.71E-07			2.71E-07
579136	H3	H3	1.00E-12				2.71E-07			2.71E-07
579137	H3	H3	1.00E-12				2.71E-07			2.71E-07
579138	H3	H3	1.00E-12				2.71E-07			2.71E-07
579139	H3	H3	1.00E-12				2.71E-07			2.71E-07
579142	H3	H3	1.00E-12				2.71E-07			2.71E-07
579143	H3	H3	1.00E-12				2.71E-07			2.71E-07
579144	H3	H3	1.00E-12				2.71E-07			2.71E-07
579145	H3	H3	1.00E-12				2.71E-07			2.71E-07
579146	H3	H3	1.00E-12				2.71E-07			2.71E-07
579147	Co60	Co60			3.48E-10				2.26E-03	2.26E-03
579147	H3	H3	1.00E-12				2.71E-07			2.71E-07
579148	H3	H3	1.00E-12				2.71E-07			2.71E-07
579149	H3	H3	1.00E-12				2.71E-07			2.71E-07
579150	H3	H3	1.00E-12				2.71E-07			2.71E-07
579151	H3	H3	1.00E-12				2.71E-07			2.71E-07
580125	H3	H3	1.00E-12				2.71E-07			2.71E-07
580126	H3	H3	1.00E-12				2.71E-07			2.71E-07
580127	H3	H3	2.00E-11				5.42E-06			5.42E-06
580128	H3	H3	2.00E-11				5.42E-06			5.42E-06
580129	H3	H3	2.00E-11				5.42E-06			5.42E-06
580130	H3	H3	2.00E-10				5.42E-05			5.42E-05
580131	H3	H3	2.00E-10				5.42E-05			5.42E-05
580132	H3	H3	2.00E-10				5.42E-05			5.42E-05
580133	H3	H3	2.00E-11				5.42E-06			5.42E-06

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Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
580134	H3	H3	2.00E-11				5.42E-06			5.42E-06
580135	H3	H3	1.00E-12				2.71E-07			2.71E-07
580136	H3	H3	2.00E-11				5.42E-06			5.42E-06
580137	H3	H3	1.00E-12				2.71E-07			2.71E-07
580138	H3	H3	1.00E-12				2.71E-07			2.71E-07
580139	H3	H3	1.00E-12				2.71E-07			2.71E-07
580141	H3	H3	1.00E-12				2.71E-07			2.71E-07
580142	H3	H3	1.00E-12				2.71E-07			2.71E-07
580143	H3	H3	1.00E-12				2.71E-07			2.71E-07
580144	H3	H3	1.00E-12				2.71E-07			2.71E-07
580145	H3	H3	1.00E-12				2.71E-07			2.71E-07
580146	H3	H3	2.00E-11				5.42E-06			5.42E-06
580147	C14	C14			1.77E-12				5.03E-10	5.03E-10
580147	Co60	Co60			1.27E-09				8.23E-03	8.23E-03
580147	Cs134	Cs134			1.48E-15				2.44E-09	2.44E-09
580147	Cs137	Cs137			1.08E-11				3.69E-05	3.69E-05
580147	Eu152	Eu152			3.83E-11				1.84E-04	1.84E-04
580147	Eu154	Eu154			5.74E-11				2.53E-04	2.53E-04
580147	Eu155	Eu155			9.63E-14				4.08E-09	4.08E-09
580147	H3	H3	2.00E-11		1.32E-11		5.42E-06		1.36E-12	5.42E-06
580147	Ni63	Ni63			2.20E-10				1.15E-08	1.15E-08
580147	Pu238	Pu238			1.40E-15				8.44E-09	8.44E-09
580147	Pu239	Pu239			1.43E-13				9.64E-07	9.64E-07
580147	Pu240	Pu240			1.59E-14				1.07E-07	1.07E-07
580147	Sr90	Sr90	5.00E-14		3.23E-11		9.25E-06		3.01E-06	1.23E-05
580147	U235	U235			6.22E-16				4.07E-10	4.07E-10
580147	U238	U238			7.44E-14				2.80E-08	2.80E-08
580148	H3	H3	1.00E-12				2.71E-07			2.71E-07
580148	Sr90	Sr90	8.00E-15				1.48E-06			1.48E-06
581124	H3	H3	1.00E-12				2.71E-07			2.71E-07
581125	H3	H3	1.00E-12				2.71E-07			2.71E-07
581126	H3	H3	2.00E-11				5.42E-06			5.42E-06
581127	H3	H3	2.00E-11				5.42E-06			5.42E-06
581128	H3	H3	2.00E-11				5.42E-06			5.42E-06
581129	H3	H3	2.00E-11				5.42E-06			5.42E-06
581130	H3	H3	2.00E-11				5.42E-06			5.42E-06
581131	H3	H3	2.00E-11				5.42E-06			5.42E-06
581132	H3	H3	2.00E-11				5.42E-06			5.42E-06
581133	H3	H3	2.00E-11				5.42E-06			5.42E-06
581134	H3	H3	2.00E-11				5.42E-06			5.42E-06
581135	H3	H3	2.00E-11				5.42E-06			5.42E-06

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
581136	H3	H3	1.00E-12				2.71E-07			2.71E-07
581137	H3	H3	2.00E-11				5.42E-06			5.42E-06
581138	H3	H3	1.00E-12				2.71E-07			2.71E-07
581139	H3	H3	1.00E-12				2.71E-07			2.71E-07
581141	H3	H3	1.00E-12				2.71E-07			2.71E-07
581142	H3	H3	1.00E-12				2.71E-07			2.71E-07
581143	H3	H3	1.00E-12				2.71E-07			2.71E-07
581144	H3	H3	1.00E-12				2.71E-07			2.71E-07
581145	H3	H3	1.00E-12				2.71E-07			2.71E-07
581146	H3	H3	1.00E-12				2.71E-07			2.71E-07
581147	C14	C14			1.10E-13				3.12E-11	3.12E-11
581147	Co60	Co60			2.35E-12				1.52E-05	1.52E-05
581147	Cs134	Cs134			2.45E-16				4.04E-10	4.04E-10
581147	Cs137	Cs137			1.98E-12				6.77E-06	6.77E-06
581147	Eu152	Eu152			1.87E-11				8.99E-05	8.99E-05
581147	Eu154	Eu154			4.12E-12				1.81E-05	1.81E-05
581147	Eu155	Eu155			3.40E-13				1.44E-08	1.44E-08
581147	H3	H3	1.00E-12		8.54E-13		2.71E-07		8.80E-14	2.71E-07
581147	Pu238	Pu238			2.32E-17				1.40E-10	1.40E-10
581147	Pu239	Pu239			6.59E-13				4.44E-06	4.44E-06
581147	Pu240	Pu240			3.03E-15				2.04E-08	2.04E-08
581147	Sr90	Sr90	5.00E-14		2.28E-11		9.25E-06		2.12E-06	1.14E-05
581147	U235	U235			2.82E-14				1.84E-08	1.84E-08
581147	U238	U238			3.15E-14				1.19E-08	1.19E-08
581148	H3	H3	1.00E-12				2.71E-07			2.71E-07
582123	H3	H3	1.00E-12				2.71E-07			2.71E-07
582124	H3	H3	1.00E-12				2.71E-07			2.71E-07
582125	H3	H3	2.00E-11				5.42E-06			5.42E-06
582126	H3	H3	2.00E-11				5.42E-06			5.42E-06
582127	H3	H3	2.00E-11				5.42E-06			5.42E-06
582128	H3	H3	2.00E-11				5.42E-06			5.42E-06
582129	H3	H3	2.00E-11				5.42E-06			5.42E-06
582130	H3	H3	2.00E-11				5.42E-06			5.42E-06
582131	H3	H3	2.00E-11				5.42E-06			5.42E-06
582132	H3	H3	2.00E-11				5.42E-06			5.42E-06
582133	H3	H3	2.00E-11				5.42E-06			5.42E-06
582134	H3	H3	2.00E-11				5.42E-06			5.42E-06
582135	H3	H3	2.00E-11				5.42E-06			5.42E-06
582136	H3	H3	2.00E-11				5.42E-06			5.42E-06
582137	H3	H3	2.00E-11				5.42E-06			5.42E-06
582138	H3	H3	1.00E-12				2.71E-07			2.71E-07

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Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
582139	H3	H3	1.00E-12				2.71E-07			2.71E-07
582140	H3	H3	1.00E-12				2.71E-07			2.71E-07
582141	H3	H3	1.00E-12				2.71E-07			2.71E-07
582142	H3	H3	1.00E-12				2.71E-07			2.71E-07
582143	H3	H3	1.00E-12				2.71E-07			2.71E-07
582144	H3	H3	1.00E-12				2.71E-07			2.71E-07
582145	H3	H3	1.00E-12				2.71E-07			2.71E-07
582146	H3	H3	1.00E-12				2.71E-07			2.71E-07
582147	H3	H3	1.00E-12				2.71E-07			2.71E-07
583122	H3	H3	1.00E-12				2.71E-07			2.71E-07
583123	H3	H3	1.00E-12				2.71E-07			2.71E-07
583124	H3	H3	2.00E-11				5.42E-06			5.42E-06
583125	H3	H3	2.00E-11				5.42E-06			5.42E-06
583126	H3	H3	2.00E-11				5.42E-06			5.42E-06
583127	H3	H3	2.00E-11				5.42E-06			5.42E-06
583128	H3	H3	2.00E-11				5.42E-06			5.42E-06
583129	H3	H3	2.00E-11				5.42E-06			5.42E-06
583130	H3	H3	2.00E-11				5.42E-06			5.42E-06
583131	H3	H3	2.00E-11				5.42E-06			5.42E-06
583132	H3	H3	2.00E-11				5.42E-06			5.42E-06
583133	H3	H3	2.00E-11				5.42E-06			5.42E-06
583134	H3	H3	2.00E-11				5.42E-06			5.42E-06
583135	H3	H3	2.00E-11				5.42E-06			5.42E-06
583136	H3	H3	2.00E-11				5.42E-06			5.42E-06
583137	H3	H3	2.00E-11				5.42E-06			5.42E-06
583138	H3	H3	1.00E-12				2.71E-07			2.71E-07
583139	H3	H3	1.00E-12				2.71E-07			2.71E-07
583140	H3	H3	1.00E-12				2.71E-07			2.71E-07
583141	H3	H3	1.00E-12				2.71E-07			2.71E-07
583142	H3	H3	1.00E-12				2.71E-07			2.71E-07
583143	H3	H3	1.00E-12				2.71E-07			2.71E-07
583144	H3	H3	1.00E-12				2.71E-07			2.71E-07
584121	H3	H3	1.00E-12				2.71E-07			2.71E-07
584122	H3	H3	1.00E-12				2.71E-07			2.71E-07
584123	H3	H3	2.00E-11				5.42E-06			5.42E-06
584124	H3	H3	2.00E-11				5.42E-06			5.42E-06
584125	H3	H3	2.00E-11				5.42E-06			5.42E-06
584126	H3	H3	2.00E-11				5.42E-06			5.42E-06
584127	H3	H3	2.00E-11				5.42E-06			5.42E-06
584128	H3	H3	2.00E-11				5.42E-06			5.42E-06
584129	H3	H3	2.00E-11				5.42E-06			5.42E-06

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
584130	H3	H3	2.00E-11				5.42E-06			5.42E-06
584131	H3	H3	2.00E-11				5.42E-06			5.42E-06
584132	H3	H3	2.00E-11				5.42E-06			5.42E-06
584133	H3	H3	2.00E-11				5.42E-06			5.42E-06
584134	H3	H3	2.00E-11				5.42E-06			5.42E-06
584135	H3	H3	2.00E-11				5.42E-06			5.42E-06
584136	H3	H3	2.00E-11				5.42E-06			5.42E-06
584137	H3	H3	2.00E-11				5.42E-06			5.42E-06
584138	H3	H3	1.00E-12				2.71E-07			2.71E-07
584139	H3	H3	1.00E-12				2.71E-07			2.71E-07
584140	H3	H3	1.00E-12				2.71E-07			2.71E-07
584141	H3	H3	1.00E-12				2.71E-07			2.71E-07
584142	H3	H3	1.00E-12				2.71E-07			2.71E-07
585121	H3	H3	1.00E-12				2.71E-07			2.71E-07
585122	H3	H3	2.00E-11				5.42E-06			5.42E-06
585123	H3	H3	2.00E-11				5.42E-06			5.42E-06
585124	H3	H3	2.00E-11				5.42E-06			5.42E-06
585125	H3	H3	2.00E-11				5.42E-06			5.42E-06
585126	H3	H3	2.00E-11				5.42E-06			5.42E-06
585127	H3	H3	2.00E-11				5.42E-06			5.42E-06
585128	H3	H3	2.00E-11				5.42E-06			5.42E-06
585129	H3	H3	2.00E-11				5.42E-06			5.42E-06
585130	H3	H3	2.00E-11				5.42E-06			5.42E-06
585131	H3	H3	2.00E-11				5.42E-06			5.42E-06
585132	H3	H3	2.00E-11				5.42E-06			5.42E-06
585133	H3	H3	2.00E-11				5.42E-06			5.42E-06
585134	H3	H3	2.00E-10				5.42E-05			5.42E-05
585135	H3	H3	2.00E-10				5.42E-05			5.42E-05
585136	H3	H3	2.00E-10				5.42E-05			5.42E-05
585137	H3	H3	2.00E-11				5.42E-06			5.42E-06
585138	H3	H3	1.00E-12				2.71E-07			2.71E-07
585139	H3	H3	1.00E-12				2.71E-07			2.71E-07
585141	H3	H3	1.00E-12				2.71E-07			2.71E-07
586120	H3	H3	1.00E-12				2.71E-07			2.71E-07
586121	H3	H3	1.00E-12				2.71E-07			2.71E-07
586122	H3	H3	2.00E-11				5.42E-06			5.42E-06
586123	H3	H3	2.00E-11				5.42E-06			5.42E-06
586124	H3	H3	2.00E-11				5.42E-06			5.42E-06
586125	H3	H3	2.00E-11				5.42E-06			5.42E-06
586126	H3	H3	2.00E-11				5.42E-06			5.42E-06
586127	H3	H3	2.00E-11				5.42E-06			5.42E-06

96136459.2552

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
586128	H3	H3	2.00E-11				5.42E-06			5.42E-06
586129	H3	H3	2.00E-11				5.42E-06			5.42E-06
586130	H3	H3	2.00E-11				5.42E-06			5.42E-06
586131	H3	H3	2.00E-11				5.42E-06			5.42E-06
586132	H3	H3	2.00E-11				5.42E-06			5.42E-06
586133	H3	H3	2.00E-10				5.42E-05			5.42E-05
586134	H3	H3	2.00E-10				5.42E-05			5.42E-05
586135	H3	H3	2.00E-10				5.42E-05			5.42E-05
586136	H3	H3	2.00E-10				5.42E-05			5.42E-05
586137	H3	H3	2.00E-11				5.42E-06			5.42E-06
586138	H3	H3	1.00E-12				2.71E-07			2.71E-07
587120	H3	H3	1.00E-12				2.71E-07			2.71E-07
587121	H3	H3	1.00E-12				2.71E-07			2.71E-07
587122	H3	H3	2.00E-11				5.42E-06			5.42E-06
587123	H3	H3	2.00E-11				5.42E-06			5.42E-06
587124	H3	H3	2.00E-11				5.42E-06			5.42E-06
587125	H3	H3	2.00E-11				5.42E-06			5.42E-06
587126	H3	H3	1.00E-12				2.71E-07			2.71E-07
587127	H3	H3	1.00E-12				2.71E-07			2.71E-07
587128	H3	H3	1.00E-12				2.71E-07			2.71E-07
587129	H3	H3	2.00E-11				5.42E-06			5.42E-06
587130	H3	H3	2.00E-11				5.42E-06			5.42E-06
587131	H3	H3	2.00E-11				5.42E-06			5.42E-06
587132	H3	H3	2.00E-11				5.42E-06			5.42E-06
587133	H3	H3	2.00E-10				5.42E-05			5.42E-05
587134	H3	H3	2.00E-10				5.42E-05			5.42E-05
587134	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
587135	H3	H3	2.00E-10				5.42E-05			5.42E-05
587135	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
587136	H3	H3	2.00E-10				5.42E-05			5.42E-05
587136	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
587137	H3	H3	2.00E-11				5.42E-06			5.42E-06
587137	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
587138	H3	H3	1.00E-12				2.71E-07			2.71E-07
588120	H3	H3	1.00E-12				2.71E-07			2.71E-07
588121	H3	H3	1.00E-12				2.71E-07			2.71E-07
588122	H3	H3	2.00E-11				5.42E-06			5.42E-06
588123	H3	H3	2.00E-11				5.42E-06			5.42E-06
588124	H3	H3	2.00E-11				5.42E-06			5.42E-06
588125	H3	H3	2.00E-11				5.42E-06			5.42E-06
588126	H3	H3	1.00E-12				2.71E-07			2.71E-07

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
588127	H3	H3	1.00E-12				2.71E-07			2.71E-07
588128	H3	H3	1.00E-12				2.71E-07			2.71E-07
588129	H3	H3	2.00E-11				5.42E-06			5.42E-06
588130	H3	H3	2.00E-11				5.42E-06			5.42E-06
588131	H3	H3	2.00E-11				5.42E-06			5.42E-06
588132	H3	H3	2.00E-11				5.42E-06			5.42E-06
588133	H3	H3	2.00E-10				5.42E-05			5.42E-05
588133	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
588134	H3	H3	2.00E-10				5.42E-05			5.42E-05
588134	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
588135	H3	H3	2.00E-10				5.42E-05			5.42E-05
588135	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
588136	H3	H3	2.00E-10				5.42E-05			5.42E-05
588136	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
588137	H3	H3	2.00E-10				5.42E-05			5.42E-05
588137	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
589120	H3	H3	1.00E-12				2.71E-07			2.71E-07
589121	H3	H3	2.00E-11				5.42E-06			5.42E-06
589122	H3	H3	2.00E-11				5.42E-06			5.42E-06
589123	H3	H3	2.00E-11				5.42E-06			5.42E-06
589124	H3	H3	2.00E-11				5.42E-06			5.42E-06
589125	H3	H3	2.00E-11				5.42E-06			5.42E-06
589126	H3	H3	1.00E-12				2.71E-07			2.71E-07
589127	Co60	Co60			5.63E-10				3.65E-03	3.65E-03
589127	H3	H3	1.00E-12				2.71E-07			2.71E-07
589128	H3	H3	1.00E-12				2.71E-07			2.71E-07
589129	H3	H3	1.00E-12				2.71E-07			2.71E-07
589130	H3	H3	2.00E-11				5.42E-06			5.42E-06
589131	H3	H3	2.00E-11				5.42E-06			5.42E-06
589132	H3	H3	2.00E-11				5.42E-06			5.42E-06
589133	H3	H3	2.00E-11				5.42E-06			5.42E-06
589133	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
589134	H3	H3	2.00E-10				5.42E-05			5.42E-05
589134	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
589135	H3	H3	2.00E-10				5.42E-05			5.42E-05
589135	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
589136	H3	H3	2.00E-10				5.42E-05			5.42E-05
589136	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
589137	H3	H3	2.00E-10				5.42E-05			5.42E-05
589137	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
590119	H3	H3	1.00E-12				2.71E-07			2.71E-07

96134592.2553

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
590120	H3	H3	1.00E-12				2.71E-07			2.71E-07
590121	Co60	Co60			2.78E-10				1.80E-03	1.80E-03
590121	H3	H3	2.00E-11				5.42E-06			5.42E-06
590121	Pu239	Pu239			1.94E-10				1.31E-03	1.31E-03
590121	U235	U235			1.46E-16				9.55E-11	9.55E-11
590121	U238	U238			1.57E-18				5.92E-13	5.92E-13
590122	H3	H3	2.00E-11				5.42E-06			5.42E-06
590123	H3	H3	2.00E-11				5.42E-06			5.42E-06
590124	H3	H3	2.00E-11				5.42E-06			5.42E-06
590125	H3	H3	2.00E-11				5.42E-06			5.42E-06
590126	H3	H3	1.00E-12				2.71E-07			2.71E-07
590127	H3	H3	1.00E-12				2.71E-07			2.71E-07
590128	H3	H3	1.00E-12				2.71E-07			2.71E-07
590129	H3	H3	1.00E-12				2.71E-07			2.71E-07
590130	H3	H3	1.00E-12				2.71E-07			2.71E-07
590131	H3	H3	2.00E-11				5.42E-06			5.42E-06
590132	H3	H3	2.00E-11				5.42E-06			5.42E-06
590133	H3	H3	2.00E-11				5.42E-06			5.42E-06
590133	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
590134	H3	H3	2.00E-11				5.42E-06			5.42E-06
590134	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
590135	H3	H3	2.00E-10				5.42E-05			5.42E-05
590135	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
590136	H3	H3	2.00E-10				5.42E-05			5.42E-05
590136	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
591119	H3	H3	1.00E-12				2.71E-07			2.71E-07
591120	H3	H3	1.00E-12				2.71E-07			2.71E-07
591121	H3	H3	2.00E-11				5.42E-06			5.42E-06
591122	H3	H3	2.00E-11				5.42E-06			5.42E-06
591123	H3	H3	2.00E-11				5.42E-06			5.42E-06
591124	H3	H3	2.00E-11				5.42E-06			5.42E-06
591125	H3	H3	2.00E-11				5.42E-06			5.42E-06
591126	H3	H3	1.00E-12				2.71E-07			2.71E-07
591127	H3	H3	1.00E-12				2.71E-07			2.71E-07
591128	H3	H3	1.00E-12				2.71E-07			2.71E-07
591129	H3	H3	1.00E-12				2.71E-07			2.71E-07
591130	H3	H3	1.00E-12				2.71E-07			2.71E-07
591131	H3	H3	2.00E-11				5.42E-06			5.42E-06
591132	H3	H3	2.00E-11				5.42E-06			5.42E-06
591133	H3	H3	2.00E-11				5.42E-06			5.42E-06
591133	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
591134	H3	H3	2.00E-11				5.42E-06			5.42E-06
591134	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
591135	H3	H3	2.00E-11				5.42E-06			5.42E-06
592116	Co60	Co60			1.42E-17				9.20E-11	9.20E-11
592116	Th232	Th232			5.63E-09				1.44E-01	1.44E-01
592116	U235	U235			8.79E-13				5.75E-07	5.75E-07
592116	U238	U238			1.88E-11				7.09E-06	7.09E-06
592118	H3	H3	1.00E-12				2.71E-07			2.71E-07
592119	H3	H3	1.00E-12				2.71E-07			2.71E-07
592120	H3	H3	1.00E-12				2.71E-07			2.71E-07
592121	H3	H3	2.00E-11				5.42E-06			5.42E-06
592122	H3	H3	2.00E-11				5.42E-06			5.42E-06
592123	H3	H3	2.00E-11				5.42E-06			5.42E-06
592124	H3	H3	2.00E-11				5.42E-06			5.42E-06
592125	H3	H3	1.00E-12				2.71E-07			2.71E-07
592126	H3	H3	1.00E-12				2.71E-07			2.71E-07
592127	H3	H3	1.00E-12				2.71E-07			2.71E-07
592128	H3	H3	1.00E-12				2.71E-07			2.71E-07
592129	H3	H3	1.00E-12				2.71E-07			2.71E-07
592130	H3	H3	1.00E-12				2.71E-07			2.71E-07
592131	H3	H3	2.00E-11				5.42E-06			5.42E-06
592132	H3	H3	2.00E-11				5.42E-06			5.42E-06
592133	H3	H3	2.00E-11				5.42E-06			5.42E-06
592133	Tc99	Tc99	5.00E-14				3.28E-07			3.28E-07
592134	H3	H3	2.00E-11				5.42E-06			5.42E-06
593116	Co60	Co60			3.27E-17				2.12E-10	2.12E-10
593116	U235	U235			5.24E-13				3.43E-07	3.43E-07
593116	U238	U238	2.00E-14		1.12E-11		3.96E-06		4.22E-06	8.18E-06
593117	H3	H3	1.00E-12				2.71E-07			2.71E-07
593118	H3	H3	1.00E-12				2.71E-07			2.71E-07
593119	H3	H3	1.00E-12				2.71E-07			2.71E-07
593120	H3	H3	1.00E-12				2.71E-07			2.71E-07
593121	H3	H3	1.00E-12				2.71E-07			2.71E-07
593122	H3	H3	1.00E-12				2.71E-07			2.71E-07
593123	H3	H3	1.00E-12				2.71E-07			2.71E-07
593124	H3	H3	1.00E-12				2.71E-07			2.71E-07
593125	H3	H3	1.00E-12				2.71E-07			2.71E-07
593126	H3	H3	1.00E-12				2.71E-07			2.71E-07
593127	H3	H3	1.00E-12				2.71E-07			2.71E-07
593128	H3	H3	1.00E-12				2.71E-07			2.71E-07
593129	H3	H3	1.00E-12				2.71E-07			2.71E-07

96136459.2554

Table B6-6. Radionuclide Concentration and Resultant Individual Risk for Industrial Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water g/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
593130	H3	H3	1.00E-12				2.71E-07			2.71E-07
593131	H3	H3	2.00E-11				5.42E-06			5.42E-06
593132	H3	H3	2.00E-11				5.42E-06			5.42E-06
593133	H3	H3	2.00E-11				5.42E-06			5.42E-06
594115	H3	H3	1.00E-12				2.71E-07			2.71E-07
594115	U238	U238	2.00E-14		4.54E-07		3.96E-06		1.71E-01	1.71E-01
594116	Cs137	Cs137			2.71E-08				9.27E-02	9.27E-02
594116	H3	H3	2.00E-12				5.42E-07			5.42E-07
594116	Pu239	Pu239			1.77E-12				1.19E-05	1.19E-05
594116	Pu240	Pu240			5.00E-13				3.37E-06	3.37E-06
594116	Sr90	Sr90			2.70E-08				2.51E-03	2.51E-03
594116	U238	U238	1.00E-13				1.98E-05			1.98E-05
594117	H3	H3	2.00E-12				5.42E-07			5.42E-07
594117	U238	U238	2.00E-14				3.96E-06			3.96E-06
594118	H3	H3	2.00E-12				5.42E-07			5.42E-07
594119	H3	H3	2.00E-12				5.42E-07			5.42E-07
594120	H3	H3	2.00E-12				5.42E-07			5.42E-07
594121	H3	H3	1.00E-12				2.71E-07			2.71E-07
594122	H3	H3	1.00E-12				2.71E-07			2.71E-07
594123	H3	H3	1.00E-12				2.71E-07			2.71E-07
594124	H3	H3	1.00E-12				2.71E-07			2.71E-07
594125	H3	H3	1.00E-12				2.71E-07			2.71E-07
594126	H3	H3	1.00E-12				2.71E-07			2.71E-07
594127	H3	H3	1.00E-12				2.71E-07			2.71E-07
594128	H3	H3	1.00E-12				2.71E-07			2.71E-07
594129	H3	H3	1.00E-12				2.71E-07			2.71E-07
594130	H3	H3	1.00E-12				2.71E-07			2.71E-07
594131	H3	H3	2.00E-11				5.42E-06			5.42E-06
594132	H3	H3	2.00E-11				5.42E-06			5.42E-06

Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
560141	14797558	NO3	2.00E-05					
560142	14797558	NO3	4.50E-05					
561141	14797558	NO3	2.00E-05					
562141	14797558	NO3	2.00E-05					
564134	56235	CCl4	1.00E-08			9.41E-07		9.41E-07
564135	56235	CCl4	1.00E-08			9.41E-07		9.41E-07
564136	56235	CCl4	1.00E-08			9.41E-07		9.41E-07
565133	7440382	As	6.00E-09			2.48E-06		2.48E-06
565133	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
565133	14797558	NO3		2.84E-06				
565134	56235	CCl4	1.00E-07			9.41E-06		9.41E-06
565134	7440382	As	2.00E-08			8.26E-06		8.26E-06
565135	56235	CCl4	5.00E-07			4.70E-05		4.70E-05
565135	67663	Chlor	1.00E-08			9.70E-07		9.70E-07
565135	7440382	As	2.00E-08			8.26E-06		8.26E-06
565135	14797558	NO3	4.50E-05					
565136	56235	CCl4	1.00E-07			9.41E-06		9.41E-06
565136	7440382	As	2.00E-08			8.26E-06		8.26E-06
565136	14797558	NO3	4.50E-05					
565137	56235	CCl4	1.00E-08			9.41E-07		9.41E-07
565137	7440473	CRVI	5.00E-08			6.45E-04		6.45E-04
565137	14797558	NO3	4.50E-05					
565144	62760	NaOxal		3.07E-04				
565144	5329146	NaSulfam		1.01E-03				
565144	10588019	NaCr2		2.19E-04			4.01E-04	4.01E-04
565145	10588019	NaCr2		1.20E-06			2.20E-06	2.20E-06
566133	7440382	As	6.00E-09			2.48E-06		2.48E-06
566133	7440473	CRVI	3.00E-07			3.87E-03		3.87E-03
566133	14797558	NO3		4.32E-06				
566134	56235	CCl4	1.00E-07			9.41E-06		9.41E-06
566134	67663	Chlor	1.00E-08			9.70E-07		9.70E-07
566134	1302427	NaAl		4.73E-05				
566134	6484522	NH4NO3		4.13E-04				
566134	7440382	As	2.00E-08			8.26E-06		8.26E-06
566134	7440473	CRVI	3.00E-07			3.87E-03		3.87E-03
566134	7647145	Na		2.03E-03				
566134	7697372	HNO3		3.34E-02				
566134	10588019	NaCr2		3.16E-05			5.78E-05	5.78E-05
566134	13473900	AlNO3		2.01E-02				
566134	14797558	NO3	1.00E-04	9.89E-03				
566135	56235	CCl4	4.00E-06	2.59E-02		3.76E-04	9.40E-07	3.77E-04
566135	67663	Chlor	3.00E-08			2.91E-06		2.91E-06
566135	79016	TriChlor	5.00E-09			9.45E-08		9.45E-08
566135	126738	TBP		2.19E-03			2.65E-08	2.65E-08

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Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
566135	1809194	DBBP		1.49E-03				
566135	6484522	NH4NO3		2.27E-03				
566135	7440382	As	2.00E-08			8.26E-06		8.26E-06
566135	7440473	CRVI	5.00E-08			6.45E-04		6.45E-04
566135	7601549	PO4		7.56E-03				
566135	7647145	Na		3.09E-02				
566135	7697372	HNO3		4.00E-03				
566135	7782414	F	4.00E-06	1.83E-02				
566135	10124375	CaNO3		1.37E-02				
566135	10377603	MgNO3		1.84E-02				
566135	12808798	SO4		1.08E-03				
566135	13473900	AlNO3		1.89E-02				
566135	13520688	FeNO3		4.05E-03				
566135	14797558	NO3	2.50E-04	5.19E-02				
566136	56235	CCl4	2.00E-06			1.88E-04		1.88E-04
566136	62760	NaOxal		9.15E-03				
566136	67663	Chlor	3.00E-08			2.91E-06		2.91E-06
566136	79016	TriChlor	2.50E-08			4.73E-07		4.73E-07
566136	1302427	NaAl		8.47E-02				
566136	6484522	NH4NO3		2.00E-02				
566136	7440382	As	2.00E-08			8.26E-06		8.26E-06
566136	7440473	CRVI	2.00E-07			2.58E-03		2.58E-03
566136	7447407	K		3.16E-02				
566136	7601549	PO4		1.09E-01				
566136	7647145	Na		4.07E-01				
566136	7782414	F	4.00E-06	3.47E-02				
566136	12808798	SO4		1.90E-02				
566136	13943583	FeCN		7.39E-03				
566136	14797558	NO3	2.50E-04	4.70E-01				
566136	Nitrite	NO2		9.20E-05				
566137	56235	CCl4	1.00E-06			9.41E-05		9.41E-05
566137	67663	Chlor	1.00E-08			9.70E-07		9.70E-07
566137	79016	TriChlor	5.00E-09			9.45E-08		9.45E-08
566137	7440473	CRVI	5.00E-08			6.45E-04		6.45E-04
566137	14797558	NO3	5.00E-04					
567133	79016	TriChlor	2.50E-08			4.73E-07		4.73E-07
567133	7440382	As	6.00E-09			2.48E-06		2.48E-06
567133	7440473	CRVI	3.00E-07			3.87E-03		3.87E-03
567133	7647145	Na		1.00E-02				
567133	14797558	NO3	4.50E-05	9.20E-03				
567134	56235	CCl4	1.00E-07			9.41E-06		9.41E-06
567134	79016	TriChlor	1.00E-08			1.89E-07		1.89E-07
567134	108101	MIBK		7.39E-03				
567134	6484522	NH4NO3		5.16E-03				

Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
567134	7440382	As	1.00E-08			4.13E-06		4.13E-06
567134	7440473	CRVI	2.00E-07			2.58E-03		2.58E-03
567134	7647145	Na		2.43E-03				
567134	7697372	HNO3		3.84E-02				
567134	7782414	F	4.00E-06					
567134	10588019	NaCr2		7.39E-03			1.35E-02	1.34E-02
567134	13473900	AlNO3		2.07E-02				
567134	14797558	NO3	5.00E-04	3.65E-02				
567135	56235	CCl4	2.00E-06			1.88E-04		1.88E-04
567135	67663	Chlor	3.00E-08			2.91E-06		2.91E-06
567135	79016	TriChlor	5.00E-09			9.45E-08		9.45E-08
567135	126738	TBP		1.37E-01			1.66E-06	1.66E-06
567135	7601549	PO4		1.77E-01				
567135	7647145	Na		1.27E+00				
567135	12808798	SO4		2.59E-01				
567135	14797558	NO3	5.00E-04	2.32E+00				
567136	56235	CCl4	1.00E-06			9.41E-05		9.41E-05
567136	62760	NaOxal		2.91E-02				
567136	67663	Chlor	2.00E-08			1.94E-06		1.94E-06
567136	79016	TriChlor	5.00E-09			9.45E-08		9.45E-08
567136	6484522	NH4NO3		1.28E-02				
567136	7447407	K		1.18E+01				
567136	7601549	PO4		6.59E-02				
567136	7647145	Na		7.95E-01				
567136	7664939	H2SO4		2.59E-03				
567136	7697372	HNO3		2.59E-03				
567136	7782414	F		1.24E-01				
567136	10588019	NaCr2		2.59E-05			4.74E-05	4.74E-05
567136	12808798	SO4		7.56E-03				
567136	14797558	NO3	5.00E-04	9.32E-01				
567137	56235	CCl4	1.00E-06			9.41E-05		9.41E-05
567137	67663	Chlor	1.00E-08			9.70E-07		9.70E-07
567137	7440473	CRVI	5.00E-08			6.45E-04		6.45E-04
567137	7782414	F	2.00E-06					
567137	14797558	NO3	5.00E-04	4.37E-04				
567138	56235	CCl4	1.00E-08			9.41E-07		9.41E-07
567138	14797558	NO3	1.00E-04					
568134	56235	CCl4	1.00E-08			9.41E-07		9.41E-07
568134	14797558	NO3	2.50E-04					
568135	56235	CCl4	1.00E-07			9.41E-06		9.41E-06
568135	14797558	NO3	5.00E-04					
568136	56235	CCl4	1.00E-08			9.41E-07		9.41E-07
568136	14797558	NO3	5.00E-04					
568137	56235	CCl4	5.00E-08			4.70E-06		4.70E-06

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Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
568137	14797558	NO3	2.50E-04					
568138	56235	CCl4	1.00E-08			9.41E-07		9.41E-07
568138	14797558	NO3	4.50E-05					
568146	14797558	NO3	1.00E-04					
568147	14797558	NO3	4.50E-05					
569134	56235	CCl4	1.00E-08			9.41E-07		9.41E-07
569134	14797558	NO3	1.00E-04					
569135	56235	CCl4	1.00E-08			9.41E-07		9.41E-07
569135	14797558	NO3	1.00E-04					
569136	14797558	NO3	1.00E-04					
569137	14797558	NO3	4.50E-05					
569143	14797558	NO3	2.00E-05					
569144	14797558	NO3	2.00E-05					
569146	7439976	Hg		6.28E-03				
569146	14797558	NO3	2.00E-05					
569147	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
569147	7664939	H2SO4		7.49E-05				
569147	7664939	SulfAcid		7.49E-05				
569147	7758987	Cu2SO4		3.75E-06				
569147	10588019	NaCr2		1.43E-03			2.62E-03	2.62E-03
569147	14797558	NO3	2.00E-05					
569148	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
570134	14797558	NO3	1.00E-04					
570135	14797558	NO3	1.00E-04					
570136	14797558	NO3	4.50E-05					
570137	14797558	NO3	4.50E-05					
570141	14797558	NO3	2.00E-05					
570142	14797558	NO3	2.00E-05					
570143	14797558	NO3	2.00E-05					
570144	14797558	NO3	2.00E-05					
570146	7440473	CRVI	5.00E-08			6.45E-04		6.45E-04
570147	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
570147	14797558	NO3	2.00E-05					
570148	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
570149	14797558	NO3	4.50E-05					
571135	14797558	NO3	4.50E-05					
571136	14797558	NO3	4.50E-05					
571137	14797558	NO3	4.50E-05					
571139	14797558	NO3	4.50E-05					
571140	14797558	NO3	4.50E-05					
571141	14797558	NO3	2.00E-05					
571142	14797558	NO3	2.00E-05					

Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
571143	14797558	NO3	2.00E-05					
571144	14797558	NO3	2.00E-05					
571149	14797558	NO3	4.50E-05					
572136	14797558	NO3	4.50E-05					
572137	7440382	As	6.00E-09			2.48E-06		2.48E-06
572137	14797558	NO3	4.50E-05					
572138	7440382	As	6.00E-09			2.48E-06		2.48E-06
572138	14797558	NO3	4.50E-05					
572139	14797558	NO3	4.50E-05					
572140	14797558	NO3	1.00E-04					
572142	14797558	NO3	2.00E-05					
572143	14797558	NO3	2.00E-05					
572144	14797558	NO3	2.00E-05					
572149	14797558	NO3	2.00E-05					
572150	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
572150	14797558	NO3	2.00E-05					
572151	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
572151	14797558	NO3	4.50E-05					
572152	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
573134	62760	NaOxal		2.99E-03				
573134	7601549	PO4		1.11E-01				
573134	7647145	Na		9.15E-01				
573134	12808798	SO4		1.47E-01				
573134	13943583	FeCN		5.66E-03				
573134	14797558	NO3		1.94E+00				
573135	67663	Chlor	1.00E-08			9.70E-07		9.70E-07
573135	7440382	As	1.00E-08			4.13E-06		4.13E-06
573136	144627	Oxalate		4.26E-02				
573136	6484522	NH4NO3		2.28E-01				
573136	7440382	As	6.00E-09			2.48E-06		2.48E-06
573136	7447407	K		2.84E-01				
573136	7601549	PO4		1.03E-01				
573136	7647145	Na		1.24E+00				
573136	7697372	HNO3		6.31E-03				
573136	7782414	F		1.78E-01				
573136	10588019	NaCr2		1.26E-03			2.31E-03	2.31E-03
573136	12808798	SO4		1.19E-02				
573136	13473900	AlNO3		1.78E-02				
573136	14797558	NO3	1.00E-04	1.27E-01				
573137	144627	Oxalate		7.61E-03				
573137	506876	NH4CO3		1.05E-02				
573137	1302427	NaAl		2.42E-01				
573137	6484522	NH4NO3		2.02E-02				

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Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
573137	7440382	As	1.00E-08			4.13E-06		4.13E-06
573137	7447407	K		5.07E-02				
573137	7601549	PO4		9.94E-02				
573137	7647145	Na		4.34E-01				
573137	7664939	H2SO4		1.77E-01				
573137	7782414	F		3.34E-02				
573137	12808798	SO4		4.48E-02				
573137	13943583	FeCN		3.66E-03				
573137	14797558	NO3	4.50E-05	7.05E-01				
573137	Nitrite	NO2		1.91E-04				
573138	57125	Cyanide	5.00E-07					
573138	7440382	As	6.00E-09			2.48E-06		2.48E-06
573138	14797558	NO3	2.50E-04					
573139	7440382	As	6.00E-09			2.48E-06		2.48E-06
573139	14797558	NO3	1.00E-04					
573149	14797558	NO3	2.00E-05					
573150	14797558	NO3	4.50E-05					
573151	62760	NaOxal		1.12E-03				
573151	5329146	NaSulfam		1.12E-03				
573151	7440473	CRVI	1.00E-06			1.29E-02		1.28E-02
573151	7632044	KBO2		4.73E-02				
573151	10588019	NaCr2		2.54E-04			4.65E-04	4.65E-04
573151	14797558	NO3	4.50E-05					
573152	7440473	CRVI	1.00E-06			1.29E-02		1.28E-02
573152	10588019	NaCr2		5.08E-06			9.30E-06	9.30E-06
573152	14797558	NO3	1.00E-04					
574134	7440382	As	6.00E-09			2.48E-06		2.48E-06
574134	14797558	NO3	2.00E-05					
574135	7440382	As	6.00E-09			2.48E-06		2.48E-06
574135	14797558	NO3	1.00E-04					
574136	78466	TBPPH		9.26E-02				
574136	7440382	As	1.00E-08			4.13E-06		4.13E-06
574136	7647145	Na		1.98E-02				
574136	7697372	HNO3		5.68E-02				
574136	14797558	NO3	4.50E-05	1.43E-02				
574137	7440382	As	1.00E-08			4.13E-06		4.13E-06
574138	57125	Cyanide	2.00E-07					
574138	14797558	NO3	1.00E-04					
574139	14797558	NO3	5.10E-08					
574140	14797558	NO3	4.60E-08					
574149	14797558	NO3	2.00E-05					
574150	14797558	NO3	2.00E-05					
574151	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03

Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
574151	14797558	NO3	4.50E-05					
574152	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
574152	10588019	NaCr2		9.80E-06			1.79E-05	1.79E-05
574152	14797558	NO3	1.00E-04					
574153	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
574153	14797558	NO3	2.00E-05					
575134	7440382	As	6.00E-09			2.48E-06		2.48E-06
575134	14797558	NO3	2.00E-05					
575135	126738	TBP		7.95E-02			9.62E-07	9.62E-07
575135	6484522	NH4NO3		4.34E-02				
575135	7440382	As	1.00E-08			4.13E-06		4.13E-06
575135	7440473	CRVI	2.00E-07			2.58E-03		2.58E-03
575135	7647145	Na		1.28E-03				
575135	10588019	NaCr2		3.72E-05			6.81E-05	6.81E-05
575135	12808798	SO4		1.77E-03				
575135	14797558	NO3	2.50E-04	3.31E-02				
575136	126738	TBP		4.06E-01			4.91E-06	4.91E-06
575136	506876	NH4CO3		2.59E-02				
575136	7440382	As	1.00E-08			4.13E-06		4.13E-06
575136	7440473	CRVI	2.00E-07			2.58E-03		2.58E-03
575136	14797558	NO3	1.00E-04	9.83E-03				
575137	7440382	As	6.00E-09			2.48E-06		2.48E-06
575139	14797558	NO3	1.00E-04					
575140	14797558	NO3	4.50E-05					
575152	7440473	CRVI	5.00E-08			6.45E-04		6.45E-04
575152	14797558	NO3	2.00E-05					
575153	7440473	CRVI	5.00E-08			6.45E-04		6.45E-04
576130	14797558	NO3	2.00E-05					
576131	14797558	NO3	2.00E-05					
576132	14797558	NO3	2.00E-05					
576133	14797558	NO3	2.00E-05					
576134	7440382	As	6.00E-09			2.48E-06		2.48E-06
576135	7440382	As	2.00E-08			8.26E-06		8.26E-06
576136	7440382	As	1.00E-08			4.13E-06		4.13E-06
576137	7440382	As	6.00E-09			2.48E-06		2.48E-06
576139	14797558	NO3	1.00E-04					
576140	14797558	NO3	4.50E-05					
576152	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
576152	14797558	NO3	2.00E-05					
576153	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
576153	14797558	NO3	2.00E-05					
576154	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
577130	14797558	NO3	2.00E-05					

Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
577131	14797558	NO3	2.00E-05					
577132	14797558	NO3	2.00E-05					
577133	14797558	NO3	2.00E-05					
577135	7440382	As	6.00E-09			2.48E-06		2.48E-06
577136	7440382	As	1.00E-08			4.13E-06		4.13E-06
577137	7440382	As	6.00E-09			2.48E-06		2.48E-06
577146	14797558	NO3	2.00E-05					
577147	14797558	NO3	2.00E-05					
577148	14797558	NO3	2.00E-05					
577152	62760	NaOxal		9.39E-03				
577152	5329146	NaSulfam		9.39E-03				
577152	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
577152	10588019	NaCr2		2.98E-04			5.45E-04	5.45E-04
577152	14797558	NO3	2.00E-05					
577153	14797558	NO3	2.00E-05					
578125	14797558	NO3	2.00E-05					
578129	79016	TriChlor	5.00E-09			9.45E-08		9.45E-08
578129	14797558	NO3	2.00E-05					
578130	79016	TriChlor	5.00E-09			9.45E-08		9.45E-08
578130	7440382	As	6.00E-09			2.48E-06		2.48E-06
578130	14797558	NO3	2.00E-05					
578131	14797558	NO3	2.00E-05					
578132	14797558	NO3	2.00E-05					
578133	14797558	NO3	2.00E-05					
578134	14797558	NO3	2.00E-05					
578145	14797558	NO3	2.00E-05					
578146	79016	TriChlor	3.50E-08			6.61E-07		6.61E-07
578146	14797558	NO3	4.50E-05					
578147	79016	TriChlor	3.50E-08			6.61E-07		6.61E-07
578147	14797558	NO3	4.50E-05					
578148	14797558	NO3	4.50E-05					
578149	14797558	NO3	2.00E-05					
578151	14797558	NO3	2.00E-05					
578152	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
578152	10588019	NaCr2		1.45E-05			2.65E-05	2.65E-05
578152	14797558	NO3	4.50E-05					
578153	7440473	CRVI	1.00E-07			1.29E-03		1.29E-03
579129	79016	TriChlor	5.00E-09			9.45E-08		9.45E-08
579129	14797558	NO3	2.00E-05					
579130	79016	TriChlor	2.50E-08			4.73E-07		4.73E-07
579130	7440382	As	6.00E-09			2.48E-06		2.48E-06
579130	14797558	NO3	2.00E-05					
579131	7440382	As	6.00E-09			2.48E-06		2.48E-06

Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
579131	14797558	NO3	2.00E-05					
579132	14797558	NO3	2.00E-05					
579133	14797558	NO3	2.00E-05					
579134	14797558	NO3	2.00E-05					
579145	14797558	NO3	4.50E-05					
579146	79016	TriChlor	3.50E-08			6.61E-07		6.61E-07
579146	14797558	NO3	1.00E-04					
579147	79016	TriChlor	3.50E-08			6.61E-07		6.61E-07
579147	14797558	NO3	1.00E-04					
579148	14797558	NO3	4.50E-05					
579149	14797558	NO3	2.00E-05					
580128	14797558	NO3	2.00E-05					
580129	14797558	NO3	2.00E-05					
580130	14797558	NO3	2.00E-05					
580131	14797558	NO3	2.00E-05					
580132	14797558	NO3	2.00E-05					
580133	14797558	NO3	2.00E-05					
580142	14797558	NO3	2.00E-05					
580143	14797558	NO3	2.00E-05					
580144	14797558	NO3	4.50E-05					
580145	14797558	NO3	1.00E-04					
580146	79016	TriChlor	2.00E-08			3.78E-07		3.78E-07
580146	14797558	NO3	1.00E-04					
580147	62760	NaOxal		5.22E-02				
580147	79016	TriChlor	2.00E-08			3.78E-07		3.78E-07
580147	5329146	NaSulfam		5.22E-02				
580147	7664939	SulfAcid		2.41E-04				
580147	10588019	NaCr2		4.52E-05			8.27E-05	8.27E-05
580147	14797558	NO3	1.00E-04					
580148	14797558	NO3	2.00E-05					
581127	14797558	NO3	2.00E-05					
581128	14797558	NO3	2.00E-05					
581129	14797558	NO3	2.00E-05					
581130	14797558	NO3	2.00E-05					
581131	14797558	NO3	2.00E-05					
581132	14797558	NO3	2.00E-05					
581142	14797558	NO3	4.50E-05					
581143	14797558	NO3	4.50E-05					
581144	14797558	NO3	1.00E-04					
581145	14797558	NO3	1.00E-04					
581146	79016	TriChlor	9.00E-09			1.70E-07		1.70E-07
581146	14797558	NO3	1.00E-04					

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Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
581147	79016	TriChlor	1.40E-08			2.65E-07		2.65E-07
581147	10588019	NaCr2		8.66E-06			1.58E-05	1.58E-05
581147	14797558	NO3	4.50E-05					
581148	14797558	NO3	2.00E-05					
582127	14797558	NO3	2.00E-05					
582128	14797558	NO3	2.00E-05					
582129	14797558	NO3	2.00E-05					
582130	14797558	NO3	2.00E-05					
582131	14797558	NO3	2.00E-05					
582132	14797558	NO3	2.00E-05					
582142	14797558	NO3	4.50E-05					
582143	14797558	NO3	1.00E-04					
582144	14797558	NO3	1.00E-04					
582145	14797558	NO3	1.00E-04					
582146	14797558	NO3	4.50E-05					
583125	14797558	NO3	2.00E-06					
583126	14797558	NO3	2.00E-05					
583127	14797558	NO3	2.00E-05					
583128	14797558	NO3	2.00E-05					
583129	14797558	NO3	2.00E-05					
583130	14797558	NO3	2.00E-05					
583131	14797558	NO3	2.00E-05					
583141	14797558	NO3	2.00E-05					
583142	14797558	NO3	4.50E-05					
583143	14797558	NO3	1.00E-04					
583144	14797558	NO3	1.00E-04					
584123	14797558	NO3	2.00E-05					
584124	14797558	NO3	2.00E-05					
584125	14797558	NO3	2.00E-05					
584126	14797558	NO3	2.00E-05					
584127	14797558	NO3	2.00E-05					
584128	14797558	NO3	2.00E-05					
584129	14797558	NO3	2.00E-05					
584130	14797558	NO3	2.00E-05					
584131	14797558	NO3	2.00E-05					
584141	14797558	NO3	4.50E-05					
584142	14797558	NO3	4.50E-05					
585124	14797558	NO3	2.00E-05					
585125	14797558	NO3	2.00E-05					
585126	14797558	NO3	2.00E-05					
585127	14797558	NO3	2.00E-05					
585128	14797558	NO3	2.00E-05					

Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
585129	14797558	NO3	2.00E-05					
585130	14797558	NO3	2.00E-05					
585131	14797558	NO3	2.00E-05					
586123	14797558	NO3	2.00E-05					
586124	14797558	NO3	2.00E-05					
586125	14797558	NO3	2.00E-05					
586126	14797558	NO3	2.00E-05					
586127	14797558	NO3	4.50E-05					
586128	14797558	NO3	4.50E-05					
586129	14797558	NO3	4.50E-05					
586130	14797558	NO3	4.50E-05					
586131	14797558	NO3	2.00E-05					
586132	14797558	NO3	2.00E-05					
586133	14797558	NO3	2.00E-05					
586134	14797558	NO3	2.00E-05					
587124	14797558	NO3	2.00E-05					
587126	14797558	NO3	2.00E-05					
587127	14797558	NO3	4.50E-05					
587128	14797558	NO3	4.50E-05					
587129	14797558	NO3	4.50E-05					
587130	14797558	NO3	4.50E-05					
587131	14797558	NO3	2.00E-05					
587134	14797558	NO3	2.00E-05					
588123	14797558	NO3	2.00E-05					
588124	14797558	NO3	2.00E-05					
588125	14797558	NO3	2.00E-05					
588126	14797558	NO3	2.00E-05					
588127	14797558	NO3	4.50E-05					
588128	14797558	NO3	4.50E-05					
588129	14797558	NO3	4.50E-05					
588131	14797558	NO3	2.00E-05					
588132	14797558	NO3	2.00E-05					
588133	14797558	NO3	2.00E-05					
588134	14797558	NO3	2.00E-05					
588137	14797558	NO3	2.00E-05					
588138	14797558	NO3	2.00E-05					
589122	14797558	NO3	2.00E-05					
589123	14797558	NO3	2.00E-05					
589124	14797558	NO3	2.00E-05					
589125	14797558	NO3	2.00E-05					
589126	14797558	NO3	2.00E-05					

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Table B6-7. Carcinogenic Chemical Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration		URFs	Risk (Concentration x URFs)		Overall Risk
			Groundwater g/ml	Soil g/g		Groundwater	Soil	
589127	14797558	NO3	2.00E-05					
589128	14797558	NO3	2.00E-05					
589130	14797558	NO3	4.50E-05					
589131	14797558	NO3	4.50E-05					
589132	14797558	NO3	2.00E-05					
589133	14797558	NO3	2.00E-05					
589134	14797558	NO3	2.00E-05					
589135	14797558	NO3	2.00E-05					
589136	14797558	NO3	2.00E-05					
589137	14797558	NO3	2.00E-05					
589138	14797558	NO3	2.00E-05					
591122	108101	MIBK		1.81E-02				
591122	7440611	U		1.20E-02				
591122	14797558	NO3		6.02E-03				
594115	7439921	PbII		2.73E-05				
594115	7439976	Hg		4.54E-07				
594115	7440020	NiII		1.36E-04			1.66E-08	1.66E-08
594115	7440224	AgI		1.36E-05				
594115	7440417	Be		4.54E-07			1.16E-07	1.16E-07
594115	7440439	CdII		9.08E-07			3.39E-07	3.39E-07
594115	7440473	CRVI		4.54E-05			8.31E-05	8.31E-05
594115	7440508	CuII		9.08E-04				
594115	7646857	ZnII		4.54E-05				
594115	7782414	F		9.08E-05				

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
560144	H3	H3	1.00E-12				2.27E-08			2.27E-08
560145	H3	H3	1.00E-12				2.27E-08			2.27E-08
560146	H3	H3	1.00E-12				2.27E-08			2.27E-08
561144	H3	H3	1.00E-12				2.27E-08			2.27E-08
561145	H3	H3	1.00E-12				2.27E-08			2.27E-08
561146	H3	H3	1.00E-12				2.27E-08			2.27E-08
562144	H3	H3	1.00E-12				2.27E-08			2.27E-08
562145	H3	H3	1.00E-12				2.27E-08			2.27E-08
562146	H3	H3	1.00E-12				2.27E-08			2.27E-08
563143	H3	H3	1.00E-12				2.27E-08			2.27E-08
563144	H3	H3	1.00E-12				2.27E-08			2.27E-08
563145	H3	H3	1.00E-12				2.27E-08			2.27E-08
563146	H3	H3	1.00E-12				2.27E-08			2.27E-08
564143	C14	C14			4.75E-12				1.59E-10	1.59E-10
564143	Co60	Co60			4.08E-09				1.34E-03	1.34E-03
564143	Cs137	Cs137			1.04E-11				2.31E-06	2.31E-06
564143	Eu152	Eu152			1.03E-10				2.91E-05	2.91E-05
564143	Eu154	Eu154			1.68E-10				4.05E-05	4.05E-05
564143	H3	H3	1.00E-12		2.32E-08		2.27E-08		2.64E-10	2.30E-08
564143	Ni63	Ni63			7.09E-10				4.57E-09	4.57E-09
564143	Sr90	Sr90			1.04E-11				7.77E-08	7.77E-08
564143	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
564144	H3	H3	1.00E-12				2.27E-08			2.27E-08
564144	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
564145	H3	H3	1.00E-12				2.27E-08			2.27E-08
565133	Cs137	Cs137			1.31E-09				2.91E-04	2.91E-04
565133	Pu239	Pu239			2.85E-10				1.24E-04	1.24E-04
565133	Ru106	Ru106			5.63E-17				2.81E-13	2.81E-13
565133	Sr90	Sr90			1.51E-09				1.13E-05	1.13E-05
565133	U235	U235			9.26E-14				3.97E-09	3.97E-09
565133	U238	U238			1.32E-11				2.55E-07	2.55E-07
565134	Cs137	Cs137			5.07E-12				1.13E-06	1.13E-06
565134	H3	H3			3.85E-09				4.39E-11	4.39E-11
565134	Ru106	Ru106			4.88E-25				2.44E-21	2.44E-21
565134	Sr90	Sr90			3.12E-12				2.33E-08	2.33E-08
565135	H3	H3	1.00E-12				2.27E-08			2.27E-08
565136	H3	H3	1.00E-12				2.27E-08			2.27E-08
565143	C14	C14			2.21E-11				7.40E-10	7.40E-10
565143	Co60	Co60			2.21E-09				7.25E-04	7.25E-04
565143	Cs137	Cs137			7.54E-12				1.67E-06	1.67E-06
565143	Eu152	Eu152			7.44E-11				2.11E-05	2.11E-05

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Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
565143	Eu154	Eu154			1.22E-10				2.94E-05	2.94E-05
565143	H3	H3	1.00E-12		4.36E-11		2.27E-08		4.97E-13	2.27E-08
565143	Ni63	Ni63			3.87E-10				2.49E-09	2.49E-09
565143	Sr90	Sr90			7.54E-12				5.63E-08	5.63E-08
565143	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
565144	Co60	Co60			6.43E-10				2.11E-04	2.11E-04
565144	Cs134	Cs134			3.77E-14				2.98E-09	2.98E-09
565144	Cs137	Cs137			4.19E-11				9.30E-06	9.30E-06
565144	Eu152	Eu152			2.86E-11				8.09E-06	8.09E-06
565144	Eu154	Eu154			2.15E-12				5.18E-07	5.18E-07
565144	Eu155	Eu155			6.38E-12				1.36E-08	1.36E-08
565144	H3	H3	1.00E-12		4.95E-09		2.27E-08		5.64E-11	2.28E-08
565144	Ni63	Ni63			8.04E-12				5.18E-11	5.18E-11
565144	Pu238	Pu238			5.68E-13				2.20E-07	2.20E-07
565144	Pu239	Pu239			6.33E-13				2.75E-07	2.75E-07
565144	Pu240	Pu240			1.08E-13				4.69E-08	4.69E-08
565144	Sr90	Sr90	8.00E-15		1.77E-11		1.22E-07		1.32E-07	2.55E-07
565144	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
565144	U235	U235			5.88E-15				2.52E-10	2.52E-10
565144	U238	U238			7.04E-13				1.36E-08	1.36E-08
565145	Co60	Co60			5.63E-11				1.85E-05	1.85E-05
565145	Cs134	Cs134			2.12E-13				1.68E-08	1.68E-08
565145	Cs137	Cs137			3.03E-11				6.73E-06	6.73E-06
565145	Eu152	Eu152			1.30E-10				3.68E-05	3.68E-05
565145	Eu154	Eu154			4.24E-11				1.02E-05	1.02E-05
565145	Eu155	Eu155			3.40E-12				7.24E-09	7.24E-09
565145	H3	H3	1.00E-12		7.14E-13		2.27E-08		8.14E-15	2.27E-08
565145	Pu238	Pu238			9.05E-15				3.51E-09	3.51E-09
565145	Pu239	Pu239			6.93E-13				3.01E-07	3.01E-07
565145	Pu240	Pu240			2.10E-14				9.11E-09	9.11E-09
565145	Sr90	Sr90	5.00E-14		2.28E-12		7.85E-07		1.70E-08	7.82E-07
565145	U235	U235			1.31E-13				5.62E-09	5.62E-09
565145	U238	U238			3.00E-14				5.79E-10	5.79E-10
566133	Am241	Am241			6.19E-11				2.70E-05	2.70E-05
566133	Cs137	Cs137			5.15E-09				1.14E-03	1.14E-03
566133	H3	H3	2.00E-11				4.54E-07			4.54E-07
566133	Pu238	Pu238			1.44E-11				5.59E-06	5.59E-06
566133	Pu239	Pu239			1.12E-09				4.87E-04	4.87E-04
566133	Pu240	Pu240			1.25E-10				5.42E-05	5.42E-05
566133	Pu241	Pu241			1.77E-09				1.46E-05	1.46E-05
566133	Pu242	Pu242			1.07E-14				4.39E-09	4.39E-09

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
566133	Ru106	Ru106			5.64E-12				2.81E-08	2.81E-08
566133	Sr90	Sr90			6.19E-09				4.62E-05	4.62E-05
566133	Tc99	Tc99	5.00E-12				2.75E-06			2.75E-06
566133	U235	U235			1.86E-14				7.98E-10	7.98E-10
566133	U238	U238			2.64E-12				5.10E-08	5.10E-08
566134	Am241	Am241			3.37E-09				1.47E-03	1.47E-03
566134	Cs137	Cs137			2.07E-07				4.60E-02	4.60E-02
566134	H3	H3	1.50E-09		1.90E-08		3.41E-05		2.17E-10	3.41E-05
566134	Pu238	Pu238			7.84E-10				3.04E-04	3.04E-04
566134	Pu239	Pu239			7.67E-08				3.34E-02	3.34E-02
566134	Pu240	Pu240			1.09E-08				4.73E-03	4.73E-03
566134	Pu241	Pu241			9.60E-08				7.91E-04	7.91E-04
566134	Pu242	Pu242			5.80E-13				2.38E-07	2.38E-07
566134	Ru106	Ru106			2.49E-15				1.24E-11	1.24E-11
566134	Sr90	Sr90			2.10E-07				1.57E-03	1.57E-03
566134	Tc99	Tc99	5.00E-12				2.75E-06			2.75E-06
566134	U235	U235			1.07E-12				4.59E-08	4.59E-08
566134	U238	U238			1.52E-10				2.93E-06	2.93E-06
566135	Am241	Am241			1.07E-08				4.67E-03	4.67E-03
566135	Cs137	Cs137			1.34E-08				2.97E-03	2.97E-03
566135	H3	H3	2.00E-11		6.88E-11		4.54E-07		7.84E-13	4.54E-07
566135	Pu238	Pu238			2.45E-09				9.51E-04	9.51E-04
566135	Pu239	Pu239			1.97E-07				8.57E-02	8.57E-02
566135	Pu240	Pu240			2.19E-08				9.50E-03	9.50E-03
566135	Pu241	Pu241			2.72E-07				2.24E-03	2.24E-03
566135	Pu242	Pu242			1.88E-12				7.71E-07	7.71E-07
566135	Ru106	Ru106			1.92E-15				9.58E-12	9.58E-12
566135	Sr90	Sr90			1.35E-08				1.01E-04	1.01E-04
566135	Tc99	Tc99	2.50E-12				1.37E-06			1.37E-06
566135	U235	U235			3.61E-15				1.55E-10	1.55E-10
566135	U238	U238			5.13E-13				9.90E-09	9.90E-09
566136	Am241	Am241			6.65E-09				2.90E-03	2.90E-03
566136	Co60	Co60			1.11E-12				3.64E-07	3.64E-07
566136	Cs137	Cs137			5.45E-08				1.21E-02	1.21E-02
566136	H3	H3	2.00E-11				4.54E-07			4.54E-07
566136	Pm147	Pm147			4.61E-12				2.06E-11	2.06E-11
566136	Pu238	Pu238			1.56E-09				6.05E-04	6.05E-04
566136	Pu239	Pu239			5.97E-08				2.60E-02	2.60E-02
566136	Pu240	Pu240			1.35E-08				5.86E-03	5.86E-03
566136	Pu241	Pu241			2.00E-07				1.65E-03	1.65E-03
566136	Pu242	Pu242			1.15E-12				4.72E-07	4.72E-07

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
566136	Ru106	Ru106			1.51E-14				7.53E-11	7.53E-11
566136	Sr90	Sr90			3.28E-08				2.45E-04	2.45E-04
566136	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
566136	Th232	Th232			1.01E-10				1.67E-04	1.67E-04
566136	U235	U235			2.13E-11				9.14E-07	9.14E-07
566136	U238	U238			4.71E-10				9.09E-06	9.09E-06
566137	Am241	Am241			2.89E-13				1.26E-07	1.26E-07
566137	Cs137	Cs137			1.86E-10				4.13E-05	4.13E-05
566137	H3	H3	1.00E-12				2.27E-08			2.27E-08
566137	Pu238	Pu238			6.76E-14				2.62E-08	2.62E-08
566137	Pu239	Pu239			5.27E-12				2.29E-06	2.29E-06
566137	Pu240	Pu240			5.85E-13				2.54E-07	2.54E-07
566137	Pu241	Pu241			8.30E-12				6.84E-08	6.84E-08
566137	Pu242	Pu242			5.02E-17				2.06E-11	2.06E-11
566137	Ru106	Ru106			1.02E-17				5.09E-14	5.09E-14
566137	Sr90	Sr90			1.52E-10				1.14E-06	1.14E-06
566137	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
566137	U235	U235			1.92E-14				8.24E-10	8.24E-10
566137	U238	U238			2.73E-12				5.27E-08	5.27E-08
566142	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
566143	H3	H3	1.00E-12				2.27E-08			2.27E-08
566143	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
566144	H3	H3	1.00E-12				2.27E-08			2.27E-08
566144	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
566145	H3	H3	1.00E-12				2.27E-08			2.27E-08
566145	Sr90	Sr90	5.00E-14				7.65E-07			7.65E-07
566145	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
566146	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
567132	H3	H3	2.00E-11				4.54E-07			4.54E-07
567133	Am241	Am241			1.07E-10				4.67E-05	4.67E-05
567133	Cs137	Cs137			1.19E-08				2.64E-03	2.64E-03
567133	H3	H3	2.50E-09		1.59E-11		5.67E-05		1.81E-13	5.67E-05
567133	I129	I129	1.00E-14				8.02E-07			8.02E-07
567133	Pu238	Pu238			2.51E-11				9.74E-06	9.74E-06
567133	Pu239	Pu239			1.95E-09				8.48E-04	8.46E-04
567133	Pu240	Pu240			2.18E-10				9.46E-05	9.46E-05
567133	Pu241	Pu241			3.10E-09				2.55E-05	2.55E-05
567133	Pu242	Pu242			1.86E-14				7.63E-09	7.63E-09
567133	Ru106	Ru106			5.44E-17				2.71E-13	2.71E-13
567133	Sr90	Sr90			9.03E-09				6.75E-05	6.75E-05
567133	Tc99	Tc99	5.00E-12				2.75E-06			2.75E-06

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
567133	U235	U235			3.84E-14				1.65E-09	1.65E-09
567133	U238	U238			5.44E-12				1.05E-07	1.05E-07
567134	Am241	Am241			2.34E-10				1.02E-04	1.02E-04
567134	Cs137	Cs137			1.41E-07				3.13E-02	3.13E-02
567134	H3	H3	2.50E-09		7.56E-14		5.67E-05		8.62E-16	5.67E-05
567134	I129	I129	2.00E-14				1.60E-06			1.60E-06
567134	Pu238	Pu238			5.47E-11				2.12E-05	2.12E-05
567134	Pu239	Pu239			4.26E-09				1.85E-03	1.85E-03
567134	Pu240	Pu240			4.74E-10				2.06E-04	2.06E-04
567134	Pu241	Pu241			6.70E-09				5.52E-05	5.52E-05
567134	Pu242	Pu242			4.06E-14				1.66E-08	1.66E-08
567134	Ru106	Ru106			1.31E-14				6.54E-11	6.54E-11
567134	Sr90	Sr90			1.64E-07				1.23E-03	1.23E-03
567134	Tc99	Tc99	2.00E-11				1.10E-05			1.10E-05
567134	U235	U235			2.69E-12				1.15E-07	1.15E-07
567134	U238	U238	2.00E-12		3.82E-10		2.84E-05		7.37E-06	3.58E-05
567135	Am241	Am241			4.61E-10				2.01E-04	2.01E-04
567135	Cs137	Cs137			1.91E-08				4.24E-03	4.24E-03
567135	H3	H3	3.00E-12				6.81E-08			6.81E-08
567135	I129	I129	5.00E-15				4.01E-07			4.01E-07
567135	Pu238	Pu238			1.08E-10				4.19E-05	4.19E-05
567135	Pu239	Pu239			8.41E-09				3.66E-03	3.66E-03
567135	Pu240	Pu240			9.38E-10				4.07E-04	4.07E-04
567135	Pu241	Pu241			1.32E-08				1.09E-04	1.09E-04
567135	Pu242	Pu242			8.01E-14				3.28E-08	3.28E-08
567135	Ru106	Ru106			1.19E-15				5.94E-12	5.94E-12
567135	Sr90	Sr90			1.48E-08				1.11E-04	1.11E-04
567135	Tc99	Tc99	2.00E-11				1.10E-05			1.10E-05
567135	U235	U235			1.09E-11				4.68E-07	4.68E-07
567135	U238	U238	2.00E-12		1.53E-09		2.84E-05		2.95E-05	5.79E-05
567136	Am241	Am241			2.18E-08				9.50E-03	9.50E-03
567136	Cs137	Cs137			3.77E-07				8.37E-02	8.37E-02
567136	H3	H3	2.00E-11				4.54E-07			4.54E-07
567136	I129	I129	1.00E-15				8.02E-08			8.02E-08
567138	Pu238	Pu238			5.10E-09				1.98E-03	1.98E-03
567136	Pu239	Pu239			3.97E-07				1.73E-01	1.73E-01
567136	Pu240	Pu240			4.43E-08				1.92E-02	1.92E-02
567136	Pu241	Pu241			6.25E-07				5.15E-03	5.15E-03
567136	Pu242	Pu242			3.78E-12				1.55E-06	1.55E-06
567136	Ru106	Ru106			1.01E-16				5.04E-13	5.04E-13
567136	Sr90	Sr90			3.80E-07				2.84E-03	2.84E-03

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Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
567136	Tc99	Tc99	9.00E-13				4.94E-07			4.94E-07
567136	U235	U235			1.82E-13				7.81E-09	7.81E-09
567136	U238	U238	1.00E-13		2.43E-11		1.42E-06		4.69E-07	1.89E-06
567137	Am241	Am241			3.54E-10				1.54E-04	1.54E-04
567137	Cs137	Cs137			2.33E-08				5.17E-03	5.17E-03
567137	H3	H3	2.00E-10				4.54E-06			4.54E-06
567137	I129	I129	1.00E-15				8.02E-08			8.02E-08
567137	Pu238	Pu238			8.30E-11				3.22E-05	3.22E-05
567137	Pu239	Pu239			3.40E-09				1.48E-03	1.48E-03
567137	Pu240	Pu240			7.16E-10				3.11E-04	3.11E-04
567137	Pu241	Pu241			1.06E-08				8.73E-05	8.73E-05
567137	Pu242	Pu242			6.14E-14				2.52E-08	2.52E-08
567137	Ru106	Ru106			5.03E-16				2.51E-12	2.51E-12
567137	Sr90	Sr90			2.26E-08				1.69E-04	1.69E-04
567137	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
567137	U235	U235			3.39E-13				1.45E-08	1.45E-08
567137	U238	U238	1.00E-13		7.84E-12		1.42E-06		1.51E-07	1.57E-06
567142	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
567143	H3	H3	1.00E-12				2.27E-08			2.27E-08
567143	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
567144	H3	H3	1.00E-12				2.27E-08			2.27E-08
567144	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
567145	H3	H3	1.00E-12				2.27E-08			2.27E-08
567145	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
567146	H3	H3	1.00E-12				2.27E-08			2.27E-08
568132	H3	H3	2.00E-11				4.54E-07			4.54E-07
568132	I129	I129	1.00E-15				8.02E-08			8.02E-08
568133	H3	H3	1.50E-09				3.41E-05			3.41E-05
568133	I129	I129	2.00E-14				1.60E-06			1.60E-06
568134	H3	H3	2.50E-09				5.67E-05			5.67E-05
568134	I129	I129	2.00E-14				1.60E-06			1.60E-06
568134	Tc99	Tc99	1.00E-11				5.49E-06			5.49E-06
568134	U238	U238	1.00E-13				1.42E-06			1.42E-06
568135	H3	H3	3.00E-12				6.81E-08			6.81E-08
568135	I129	I129	1.00E-15				8.02E-08			8.02E-08
568135	Tc99	Tc99	1.00E-11				5.49E-06			5.49E-06
568135	U238	U238	1.00E-13				1.42E-06			1.42E-06
568136	H3	H3	2.00E-11				4.54E-07			4.54E-07
568136	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
568137	H3	H3	2.00E-11				4.54E-07			4.54E-07
568137	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
568142	H3	H3	2.00E-11				4.54E-07			4.54E-07
568142	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
568143	H3	H3	2.00E-11				4.54E-07			4.54E-07
568143	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
568144	H3	H3	1.00E-12				2.27E-08			2.27E-08
568144	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
568145	H3	H3	1.00E-12				2.27E-08			2.27E-08
568146	C14	C14			8.99E-11				3.01E-09	3.01E-09
568146	Co60	Co60			5.38E-14				1.76E-08	1.76E-08
568146	Cs134	Cs134			9.40E-17				7.44E-12	7.44E-12
568146	Cs137	Cs137			3.22E-13				7.15E-08	7.15E-08
568146	Eu152	Eu152			5.93E-13				1.68E-07	1.68E-07
568146	Eu154	Eu154			1.28E-13				3.08E-08	3.08E-08
568146	Eu155	Eu155			7.74E-14				1.65E-10	1.65E-10
568146	H3	H3	1.00E-12		5.68E-11		2.27E-08		6.48E-13	2.27E-08
568146	Sr90	Sr90	8.00E-15		4.94E-14		1.22E-07		3.69E-10	1.23E-07
568146	U238	U238			9.45E-17				1.82E-12	1.62E-12
568147	H3	H3	1.00E-12				2.27E-08			2.27E-08
569132	H3	H3	2.00E-11				4.54E-07			4.54E-07
569132	I129	I129	1.00E-15				8.02E-08			8.02E-08
569133	H3	H3	2.00E-10				4.54E-06			4.54E-06
569133	I129	I129	2.00E-14				1.60E-06			1.60E-06
569134	H3	H3	2.00E-10				4.54E-06			4.54E-06
569134	I129	I129	2.00E-14				1.60E-06			1.60E-06
569134	Tc99	Tc99	9.00E-13				4.94E-07			4.94E-07
569135	H3	H3	2.00E-10				4.54E-06			4.54E-06
569135	I129	I129	1.00E-15				8.02E-08			8.02E-08
569135	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
569136	H3	H3	2.00E-11				4.54E-07			4.54E-07
569136	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
569140	Cs137	Cs137			8.41E-09				1.87E-03	1.87E-03
569140	Ru106	Ru106			2.73E-20				1.36E-16	1.36E-16
569140	Sr90	Sr90			8.07E-09				6.03E-05	6.03E-05
569142	H3	H3	2.00E-11				4.54E-07			4.54E-07
569142	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
569143	H3	H3	2.00E-11				4.54E-07			4.54E-07
569143	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
569144	H3	H3	1.00E-12				2.27E-08			2.27E-08
569144	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
569145	H3	H3	1.00E-12				2.27E-08			2.27E-08
569146	C14	C14			6.33E-11				2.12E-09	2.12E-09

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Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
569146	Co60	Co60			9.55E-10				3.13E-04	3.13E-04
569146	Cs134	Cs134			1.06E-16				8.38E-12	8.38E-12
569146	Cs137	Cs137			5.48E-12				1.22E-06	1.22E-06
569146	Eu152	Eu152			2.37E-11				6.71E-06	6.71E-06
569146	Eu154	Eu154			3.73E-11				8.99E-06	8.99E-06
569146	Eu155	Eu155			3.03E-14				6.45E-11	6.45E-11
569146	H3	H3	2.00E-10		3.07E-11		4.54E-06		3.50E-13	4.54E-06
569146	Ni63	Ni63			2.17E-10				1.40E-09	1.40E-09
569146	Pu239	Pu239			1.38E-13				6.00E-08	6.00E-06
569146	Pu240	Pu240			9.30E-15				4.04E-09	4.04E-09
569146	Sr90	Sr90			5.63E-12				4.21E-08	4.21E-08
569146	U235	U235			1.19E-17				5.11E-13	5.11E-13
569146	U238	U238			1.23E-15				2.37E-11	2.37E-11
569147	C14	C14			4.28E-12				1.43E-10	1.43E-10
569147	Co60	Co60			1.65E-10				5.41E-05	5.41E-05
569147	Cs134	Cs134			1.03E-12				8.15E-08	6.15E-08
569147	Cs137	Cs137			7.34E-10				1.63E-04	1.63E-04
569147	Eu152	Eu152			2.67E-09				8.12E-04	8.12E-04
569147	Eu154	Eu154			7.49E-10				1.81E-04	1.81E-04
569147	Eu155	Eu155			2.97E-11				6.33E-08	6.33E-06
569147	H3	H3	2.00E-10		6.08E-11		4.54E-06		6.93E-13	4.54E-06
569147	Ni63	Ni63			6.53E-10				4.21E-09	4.21E-09
569147	Pu238	Pu238			8.84E-13				3.43E-07	3.43E-07
569147	Pu239	Pu239			2.21E-11				9.61E-06	9.61E-06
569147	Pu240	Pu240			2.45E-12				1.06E-06	1.06E-06
569147	Sr90	Sr90	8.00E-15		4.18E-11		1.22E-07		3.12E-07	4.35E-07
569147	U235	U235			1.33E-14				5.71E-10	5.71E-10
569147	U238	U238			1.51E-12				2.91E-08	2.91E-08
569148	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
570132	H3	H3	2.00E-11				4.54E-07			4.54E-07
570132	I129	I129	1.00E-15				8.02E-08			8.02E-08
570133	H3	H3	2.00E-10				4.54E-06			4.54E-06
570133	I129	I129	1.00E-15				8.02E-08			8.02E-08
570134	H3	H3	2.00E-10				4.54E-06			4.54E-06
570134	I129	I129	1.00E-15				8.02E-08			8.02E-08
570134	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
570135	H3	H3	2.00E-10				4.54E-06			4.54E-06
570135	I129	I129	1.00E-15				8.02E-08			8.02E-08
570135	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
570136	H3	H3	2.00E-11				4.54E-07			4.54E-07
570136	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
570139	H3	H3	1.00E-12				2.27E-08			2.27E-08
570139	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
570140	Am241	Am241			1.06E-12				4.62E-07	4.62E-07
570140	Cs137	Cs137			7.74E-11				1.72E-05	1.72E-05
570140	H3	H3	2.00E-11				4.54E-07			4.54E-07
570140	Pu238	Pu238			2.48E-13				9.62E-08	9.62E-08
570140	Pu239	Pu239			1.93E-11				8.40E-06	8.40E-06
570140	Pu240	Pu240			2.15E-12				9.33E-07	9.33E-07
570140	Pu241	Pu241			3.05E-11				2.51E-07	2.51E-07
570140	Pu242	Pu242			1.84E-16				7.54E-11	7.54E-11
570140	Ru106	Ru106			2.92E-22				1.46E-18	1.46E-18
570140	Sr90	Sr90			7.44E-11				5.56E-07	5.56E-07
570140	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
570140	U235	U235			1.70E-15				7.29E-11	7.29E-11
570140	U238	U238			2.41E-13				4.65E-09	4.65E-09
570141	H3	H3	2.00E-11				4.54E-07			4.54E-07
570141	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
570142	H3	H3	2.00E-11				4.54E-07			4.54E-07
570142	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
570143	H3	H3	2.00E-11				4.54E-07			4.54E-07
570143	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
570144	H3	H3	1.00E-12				2.27E-08			2.27E-08
570144	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
570145	H3	H3	1.00E-12				2.27E-08			2.27E-08
570146	H3	H3	1.00E-12				2.27E-08			2.27E-08
570147	H3	H3	1.00E-12				2.27E-08			2.27E-08
570148	H3	H3	1.00E-12				2.27E-08			2.27E-08
570149	H3	H3	1.00E-12				2.27E-08			2.27E-08
571132	H3	H3	1.00E-12				2.27E-08			2.27E-08
571133	H3	H3	2.00E-11				4.54E-07			4.54E-07
571134	H3	H3	2.00E-11				4.54E-07			4.54E-07
571135	H3	H3	2.00E-11				4.54E-07			4.54E-07
571136	H3	H3	2.00E-11				4.54E-07			4.54E-07
571137	H3	H3	2.00E-11				4.54E-07			4.54E-07
571139	H3	H3	1.00E-12				2.27E-08			2.27E-08
571139	Tc99	Tc99	9.00E-13				4.94E-07			4.94E-07
571140	Am241	Am241			1.55E-12				6.76E-07	6.76E-07
571140	Cs137	Cs137			1.13E-10				2.51E-05	2.51E-05
571140	H3	H3	1.00E-12				2.27E-08			2.27E-08
571140	Pu238	Pu238			3.61E-13				1.40E-07	1.40E-07
571140	Pu239	Pu239			2.81E-11				1.22E-05	1.22E-05

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Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
571140	Pu240	Pu240			3.14E-12				1.36E-06	1.36E-06
571140	Pu241	Pu241			4.44E-11				3.66E-07	3.66E-07
571140	Pu242	Pu242			2.68E-16				1.10E-10	1.10E-10
571140	Ru106	Ru106			4.27E-22				2.13E-18	2.13E-18
571140	Sr90	Sr90			1.09E-10				8.14E-07	8.14E-07
571140	Tc99	Tc99	9.00E-13				4.94E-07			4.94E-07
571140	U235	U235			2.48E-15				1.06E-10	1.06E-10
571140	U238	U238			3.52E-13				6.79E-09	6.79E-09
571141	H3	H3	2.00E-11				4.54E-07			4.54E-07
571141	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
571142	H3	H3	2.00E-11				4.54E-07			4.54E-07
571142	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
571143	H3	H3	1.00E-12				2.27E-08			2.27E-08
571143	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
571144	H3	H3	1.00E-12				2.27E-08			2.27E-08
571144	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
571145	H3	H3	1.00E-12				2.27E-08			2.27E-08
571146	H3	H3	1.00E-12				2.27E-08			2.27E-08
571147	H3	H3	1.00E-12				2.27E-08			2.27E-08
571148	H3	H3	1.00E-12				2.27E-08			2.27E-08
571149	Ce144	Ce144			1.23E-14				1.00E-11	1.00E-11
571149	Co60	Co60			1.15E-08				3.77E-03	3.77E-03
571149	Cs134	Cs134			6.23E-11				4.93E-06	4.93E-06
571149	Cs137	Cs137			1.25E-08				2.77E-03	2.77E-03
571149	H3	H3	2.00E-11		2.66E-12		4.54E-07		3.03E-14	4.54E-07
571149	Mn54	Mn54			3.09E-14				5.65E-10	5.65E-10
571149	Nb95	Nb95			1.02E-28				1.89E-25	1.89E-25
571149	Pu239	Pu239			1.08E-10				4.70E-05	4.70E-05
571149	Ru103	Ru103			4.97E-27				5.91E-24	5.91E-24
571149	Ru106	Ru106			3.30E-11				1.65E-07	1.65E-07
571149	Sr90	Sr90	1.00E-12		9.35E-09		1.53E-05		6.98E-05	8.51E-05
571149	Tc99	Tc99			4.18E-12				1.45E-10	1.45E-10
571150	H3	H3	2.00E-11				4.54E-07			4.54E-07
571150	Sr90	Sr90	5.00E-14				7.65E-07			7.65E-07
572133	H3	H3	1.00E-12				2.27E-08			2.27E-08
572134	H3	H3	1.00E-12				2.27E-08			2.27E-08
572135	H3	H3	2.00E-11				4.54E-07			4.54E-07
572136	H3	H3	2.00E-11				4.54E-07			4.54E-07
572137	H3	H3	2.00E-10				4.54E-06			4.54E-06
572137	Tc99	Tc99	9.00E-13				4.94E-07			4.94E-07
572138	H3	H3	1.00E-12				2.27E-08			2.27E-08

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
572138	I129	I129	1.00E-15				8.02E-08			8.02E-08
572138	Tc99	Tc99	9.00E-13				4.94E-07			4.94E-07
572139	H3	H3	1.00E-12				2.27E-08			2.27E-08
572139	Tc99	Tc99	9.00E-13				4.94E-07			4.94E-07
572140	H3	H3	1.00E-12				2.27E-08			2.27E-08
572140	Tc99	Tc99	9.00E-13				4.94E-07			4.94E-07
572141	H3	H3	1.00E-12				2.27E-08			2.27E-08
572142	H3	H3	1.00E-12				2.27E-08			2.27E-08
572142	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
572143	H3	H3	1.00E-12				2.27E-08			2.27E-08
572143	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
572144	H3	H3	1.00E-12				2.27E-08			2.27E-08
572145	H3	H3	1.00E-12				2.27E-08			2.27E-08
572146	H3	H3	1.00E-12				2.27E-08			2.27E-08
572147	H3	H3	1.00E-12				2.27E-08			2.27E-08
572148	H3	H3	1.00E-12				2.27E-08			2.27E-08
572149	H3	H3	2.00E-11				4.54E-07			4.54E-07
572149	Sr90	Sr90	5.00E-14				7.65E-07			7.65E-07
572150	C14	C14			3.87E-12				1.30E-10	1.30E-10
572150	Co60	Co60			3.18E-09				1.04E-03	1.04E-03
572150	Cs137	Cs137			8.44E-12				1.87E-06	1.87E-06
572150	Eu152	Eu152			8.24E-11				2.33E-05	2.33E-05
572150	Eu154	Eu154			1.27E-10				3.06E-05	3.06E-05
572150	H3	H3	2.00E-11		1.74E-11		4.54E-07		1.98E-13	4.54E-07
572150	Ni63	Ni63			5.53E-10				3.56E-09	3.56E-09
572150	Sr90	Sr90			8.44E-12				6.30E-08	6.30E-08
572151	H3	H3	1.00E-12				2.27E-08			2.27E-08
573134	Am241	Am241			1.43E-10				6.23E-05	6.23E-05
573134	Cs137	Cs137			9.43E-07				2.09E-01	2.09E-01
573134	H3	H3	1.00E-12				2.27E-08			2.27E-08
573134	Pu238	Pu238			3.34E-11				1.30E-05	1.30E-05
573134	Pu239	Pu239			2.60E-09				1.13E-03	1.13E-03
573134	Pu240	Pu240			2.90E-10				1.26E-04	1.26E-04
573134	Pu241	Pu241			4.11E-09				3.39E-05	3.39E-05
573134	Pu242	Pu242			2.48E-14				1.02E-08	1.02E-08
573134	Ru106	Ru106			1.88E-15				9.38E-12	9.38E-12
573134	Sr90	Sr90			8.58E-07				6.41E-03	6.41E-03
573134	U235	U235			1.02E-12				4.38E-08	4.38E-08
573134	U238	U238			1.44E-10				2.78E-06	2.78E-06
573135	H3	H3	2.00E-10				4.54E-06			4.54E-06
573135	I129	I129	1.00E-15				8.02E-08			8.02E-08

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Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
573136	Am241	Am241			9.89E-10				4.31E-04	4.31E-04
573136	Co60	Co60			3.16E-09				1.04E-03	1.04E-03
573136	Cs137	Cs137			9.94E-08				2.21E-02	2.21E-02
573136	Cs137	Cs137	1.20E-13				1.42E-06			1.42E-06
573136	H3	H3	2.00E-10		5.38E-10		4.54E-06		8.13E-12	4.54E-06
573136	I129	I129	1.00E-15				8.02E-08			8.02E-08
573136	Pu238	Pu238			2.31E-10				8.96E-05	8.96E-05
573136	Pu239	Pu239			5.85E-08				2.54E-02	2.54E-02
573136	Pu240	Pu240			2.00E-09				8.68E-04	8.68E-04
573136	Pu241	Pu241			2.84E-08				2.34E-04	2.34E-04
573136	Pu242	Pu242			1.71E-13				7.01E-08	7.01E-08
573136	Ru106	Ru106			1.55E-13				7.73E-10	7.73E-10
573136	Sr90	Sr90	2.50E-12		3.93E-08		3.83E-05		2.94E-04	3.32E-04
573136	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
573136	U235	U235			1.82E-10				7.81E-06	7.81E-06
573136	U238	U238			2.23E-10				4.30E-06	4.30E-06
573137	Am241	Am241			4.61E-10				2.01E-04	2.01E-04
573137	Cs137	Cs137			1.94E-07				4.31E-02	4.31E-02
573137	H3	H3	2.00E-10				4.54E-06			4.54E-06
573137	I129	I129	1.00E-14				8.02E-07			8.02E-07
573137	Pu238	Pu238			1.06E-10				4.11E-05	4.11E-05
573137	Pu239	Pu239			9.32E-09				4.05E-03	4.05E-03
573137	Pu240	Pu240			9.43E-10				4.09E-04	4.09E-04
573137	Pu241	Pu241			1.23E-08				1.01E-04	1.01E-04
573137	Pu242	Pu242			8.07E-14				3.31E-08	3.31E-08
573137	Ru106	Ru106			8.69E-17				4.34E-13	4.34E-13
573137	Sr90	Sr90			2.43E-07				1.82E-03	1.82E-03
573137	Tc99	Tc99	2.50E-12				1.37E-06			1.37E-06
573137	U235	U235			1.18E-13				4.98E-09	4.98E-09
573137	U238	U238			6.88E-12				1.33E-07	1.33E-07
573138	Co60	Co60	1.00E-13				6.33E-07			6.33E-07
573138	H3	H3	1.00E-12				2.27E-08			2.27E-08
573138	Tc99	Tc99	2.00E-11				1.10E-05			1.10E-05
573139	Co60	Co60	1.00E-13				6.33E-07			6.33E-07
573139	H3	H3	1.00E-12				2.27E-08			2.27E-08
573139	Tc99	Tc99	2.50E-12				1.37E-06			1.37E-06
573140	H3	H3	1.00E-12				2.27E-08			2.27E-08
573140	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
573141	CO60	Cobalt		2.64E-14				4.67E-05		4.67E-05
573141	CS137	Cesium 134		9.64E-15				1.62E-04		1.62E-04
573141	H3	H3	1.00E-12				2.27E-08			2.27E-08

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
573141	H3	Tritium		5.12E-12				2.17E-07		2.17E-07
573141	RU106	Ruthenium		7.97E-13				2.32E-04		2.32E-04
573141	SR90	Strontium		1.93E-14				1.08E-05		1.08E-05
573141	TC99	Technecium		1.07E-12				7.07E-06		7.07E-06
573142	H3	H3	1.00E-12				2.27E-08			2.27E-08
573142	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
573143	H3	H3	1.00E-12				2.27E-08			2.27E-08
573143	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
573144	H3	H3	1.00E-12				2.27E-08			2.27E-08
573145	H3	H3	1.00E-12				2.27E-08			2.27E-08
573146	H3	H3	1.00E-12				2.27E-08			2.27E-08
573147	H3	H3	1.00E-12				2.27E-08			2.27E-08
573148	H3	H3	1.00E-12				2.27E-08			2.27E-08
573149	H3	H3	2.00E-11				4.54E-07			4.54E-07
573150	Co60	Co60			1.80E-10				5.90E-05	5.90E-05
573150	H3	H3	2.00E-11				4.54E-07			4.54E-07
573151	C14	C14			1.42E-12				4.76E-11	4.76E-11
573151	Co60	Co60			1.29E-09				4.23E-04	4.23E-04
573151	Cs134	Cs134			5.98E-16				4.73E-11	4.73E-11
573151	Cs137	Cs137			6.08E-12				1.35E-06	1.35E-06
573151	Eu152	Eu152			2.92E-11				8.26E-06	8.26E-06
573151	Eu154	Eu154			4.43E-11				1.07E-05	1.07E-05
573151	Eu155	Eu155			4.06E-13				8.65E-10	8.65E-10
573151	H3	H3	2.00E-11		8.59E-12		4.54E-07		9.79E-14	4.54E-07
573151	Ni63	Ni63			1.14E-10				7.34E-10	7.34E-10
573151	Pu239	Pu239			6.13E-14				2.67E-08	2.67E-08
573151	Pu240	Pu240			6.78E-15				2.94E-09	2.94E-09
573151	Sr90	Sr90	8.00E-15		3.31E-12		1.22E-07		2.47E-08	1.47E-07
573151	U235	U235			1.13E-16				4.85E-12	4.85E-12
573151	U238	U238			1.41E-14				2.72E-10	2.72E-10
573152	Co60	Co60			7.14E-13				2.34E-07	2.34E-07
573152	Cs134	Cs134			4.77E-16				3.77E-11	3.77E-11
573152	Cs137	Cs137			9.75E-12				2.16E-06	2.16E-06
573152	Eu152	Eu152			4.97E-12				1.41E-06	1.41E-06
573152	Eu154	Eu154			7.89E-13				1.90E-07	1.90E-07
573152	Eu155	Eu155			5.33E-14				1.14E-10	1.14E-10
573152	H3	H3	1.00E-12		4.18E-13		2.27E-08		4.77E-15	2.27E-08
573152	Pu238	Pu238			6.78E-16				2.63E-10	2.63E-10
573152	Pu239	Pu239			6.58E-14				2.86E-08	2.86E-08
573152	Pu240	Pu240			2.58E-15				1.12E-09	1.12E-09
573152	Sr90	Sr90			2.57E-13				1.92E-09	1.92E-09

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Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
573152	U235	U235			3.12E-14				1.34E-09	1.34E-09
573152	U238	U238			2.05E-14				3.96E-10	3.96E-10
574132	H3	H3	1.00E-12				2.27E-08			2.27E-08
574133	H3	H3	1.00E-12				2.27E-08			2.27E-08
574134	H3	H3	2.00E-10				4.54E-06			4.54E-06
574134	I129	I129	1.00E-15				8.02E-08			8.02E-08
574134	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
574134	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
574135	Am241	Am241			1.41E-10				6.15E-05	6.15E-05
574135	Cs137	Cs137			4.10E-09				9.10E-04	9.10E-04
574135	H3	H3	2.50E-09		2.90E-07		5.67E-05		3.31E-09	5.68E-05
574135	I129	I129	2.00E-14		1.68E-12		1.60E-06		9.19E-09	1.61E-06
574135	Pm147	Pm147			4.90E-12				2.19E-11	2.19E-11
574135	Pu238	Pu238			3.56E-11				1.38E-05	1.38E-05
574135	Pu239	Pu239			1.64E-09				7.13E-04	7.13E-04
574135	Pu240	Pu240			2.63E-10				1.14E-04	1.14E-04
574135	Pu241	Pu241			4.52E-09				3.72E-05	3.72E-05
574135	Pu242	Pu242			2.24E-14				9.18E-09	9.18E-09
574135	Ru106	Ru106			4.84E-12				2.42E-08	2.42E-08
574135	Sr90	Sr90	8.00E-15		4.13E-09		1.22E-07		3.09E-05	3.10E-05
574135	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
574135	U235	U235			1.04E-13				4.46E-09	4.46E-09
574135	U238	U238			3.35E-12				6.47E-08	6.47E-08
574136	Am241	Am241			3.77E-10				1.64E-04	1.64E-04
574136	Cs137	Cs137			1.27E-09				2.82E-04	2.82E-04
574136	Eu154	Eu154			7.05E-18				1.70E-12	1.70E-12
574136	H3	H3	2.50E-09				5.67E-05			5.67E-05
574136	I129	I129	5.00E-15				4.01E-07			4.01E-07
574136	Pu238	Pu238			6.66E-11				3.44E-05	3.44E-05
574136	Pu239	Pu239			3.34E-09				1.45E-03	1.45E-03
574136	Pu240	Pu240			7.61E-10				3.30E-04	3.30E-04
574136	Pu241	Pu241			1.14E-08				9.39E-05	9.39E-05
574136	Pu242	Pu242			6.53E-14				2.66E-08	2.66E-08
574136	Ru106	Ru106			8.52E-17				4.25E-13	4.25E-13
574136	Sr90	Sr90			2.40E-09				1.79E-05	1.79E-05
574136	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
574136	U235	U235			1.02E-13				4.38E-09	4.38E-09
574136	U238	U238			2.95E-12				5.69E-08	5.69E-08
574137	H3	H3	2.00E-11				4.54E-07			4.54E-07
574137	I129	I129	1.00E-15				8.02E-08			8.02E-08
574137	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
574138	Co60	Co60	1.00E-13				6.33E-07			6.33E-07
574138	H3	H3	1.00E-12				2.27E-08			2.27E-08
574138	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
574138	Tc99	Tc99	5.00E-12				2.75E-06			2.75E-06
574139	Am241	Am241			1.07E-11				4.67E-06	4.67E-06
574139	Cs137	Cs137			2.55E-09				5.66E-04	5.66E-04
574139	H3	H3	1.00E-12		8.07E-10		2.27E-08		9.20E-12	2.27E-08
574139	Pm147	Pm147			5.45E-12				2.43E-11	2.43E-11
574139	Pu238	Pu238			2.49E-12				9.66E-07	9.66E-07
574139	Pu239	Pu239			1.99E-10				6.66E-05	8.66E-05
574139	Pu240	Pu240			2.16E-11				9.37E-06	9.37E-06
574139	Pu241	Pu241			3.07E-10				2.53E-06	2.53E-06
574139	Pu242	Pu242			1.85E-15				7.58E-10	7.58E-10
574139	Ru106	Ru106			6.14E-16				3.06E-12	3.06E-12
574139	Sr90	Sr90	8.00E-15		2.75E-09		1.22E-07		2.05E-05	2.07E-05
574139	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
574139	U235	U235			1.13E-13				4.85E-09	4.85E-09
574139	U238	U238			1.60E-11				3.09E-07	3.09E-07
574140	H3	H3	1.00E-12				2.27E-08			2.27E-08
574140	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
574141	H3	H3	1.00E-12				2.27E-08			2.27E-08
574142	H3	H3	1.00E-12				2.27E-08			2.27E-08
574143	H3	H3	1.00E-12				2.27E-08			2.27E-08
574144	H3	H3	1.00E-12				2.27E-08			2.27E-08
574145	H3	H3	1.00E-12				2.27E-08			2.27E-08
574146	H3	H3	1.00E-12				2.27E-08			2.27E-08
574147	H3	H3	1.00E-12				2.27E-08			2.27E-08
574148	H3	H3	1.00E-12				2.27E-08			2.27E-08
574149	H3	H3	2.00E-11				4.54E-07			4.54E-07
574150	H3	H3	2.00E-11				4.54E-07			4.54E-07
574151	H3	H3	2.00E-11				4.54E-07			4.54E-07
574152	Co60	Co60			1.61E-10				5.28E-05	5.28E-05
574152	Cs134	Cs134			1.56E-13				1.23E-08	1.23E-08
574152	Cs137	Cs137			2.96E-09				6.57E-04	6.57E-04
574152	Eu152	Eu152			1.09E-09				3.08E-04	3.08E-04
574152	Eu154	Eu154			1.77E-10				4.27E-05	4.27E-05
574152	Eu155	Eu155			1.51E-11				3.22E-08	3.22E-08
574152	H3	H3	1.00E-12		8.84E-11		2.27E-08		1.01E-12	2.27E-08
574152	Pu239	Pu239			7.69E-12				3.35E-06	3.35E-06
574152	Pu240	Pu240			8.54E-13				3.71E-07	3.71E-07
574152	Sr90	Sr90			6.78E-11				5.06E-07	5.06E-07

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
574152	U235	U235			5.88E-14				2.52E-09	2.52E-09
574152	U238	U238			6.78E-12				1.31E-07	1.31E-07
574153	H3	H3	1.00E-12				2.27E-08			2.27E-08
574154	H3	H3	1.00E-12				2.27E-08			2.27E-08
575131	H3	H3	1.00E-12				2.27E-08			2.27E-08
575132	H3	H3	2.00E-11				4.54E-07			4.54E-07
575133	H3	H3	2.00E-11				4.54E-07			4.54E-07
575134	H3	H3	2.00E-10				4.54E-06			4.54E-06
575134	I129	I129	1.00E-15				8.02E-08			8.02E-06
575134	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
575134	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
575135	Am241	Am241			1.94E-10				8.46E-05	8.46E-05
575135	Cs137	Cs137			1.38E-07				3.06E-02	3.06E-02
575135	H3	H3	2.50E-09		6.14E-08		5.67E-05		7.00E-10	5.68E-05
575135	I129	I129	2.00E-14		3.65E-13		1.60E-06		2.00E-09	1.61E-06
575135	Pm147	Pm147			7.22E-11				3.22E-10	3.22E-10
575135	Pu238	Pu238			4.24E-11				1.65E-05	1.65E-05
575135	Pu239	Pu239			3.32E-09				1.44E-03	1.44E-03
575135	Pu240	Pu240			3.69E-10				1.60E-04	1.60E-04
575135	Pu241	Pu241			5.24E-09				4.32E-05	4.32E-05
575135	Pu242	Pu242			3.15E-14				1.29E-08	1.29E-08
575135	Ru106	Ru106			9.49E-11				4.74E-07	4.74E-07
575135	Sn113	Sn113			1.79E-13				1.44E-12	1.44E-12
575135	Sr90	Sr90	8.00E-15		1.35E-07		1.22E-07		1.01E-03	1.01E-03
575135	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
575135	U235	U235			2.33E-13				1.00E-08	1.00E-08
575135	U238	U238			3.30E-11				6.37E-07	6.37E-07
575136	Am241	Am241			7.05E-12				3.07E-06	3.07E-06
575136	Cs137	Cs137			3.10E-08				6.88E-03	6.88E-03
575136	H3	H3	2.00E-11		6.53E-12		4.54E-07		7.44E-14	4.54E-07
575136	I129	I129	5.00E-15				4.01E-07			4.01E-07
575136	Pu238	Pu238			1.65E-12				6.40E-07	6.40E-07
575136	Pu239	Pu239			1.29E-10				5.61E-05	5.61E-05
575136	Pu240	Pu240			1.44E-11				6.25E-06	6.25E-06
575136	Pu241	Pu241			2.03E-10				1.67E-06	1.67E-06
575136	Pu242	Pu242			1.23E-15				5.04E-10	5.04E-10
575136	Ru106	Ru106			9.09E-16				4.54E-12	4.54E-12
575136	Sr90	Sr90	8.00E-15		1.76E-08		1.22E-07		1.31E-04	1.32E-04
575136	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
575136	U235	U235			1.82E-12				7.81E-08	7.81E-08
575136	U238	U238			2.59E-10				5.00E-06	5.00E-06

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
575137	Am241	Am241			4.11E-12				1.79E-06	1.79E-06
575137	Cs137	Cs137			3.24E-12				7.19E-07	7.19E-07
575137	H3	H3	2.00E-11				4.54E-07			4.54E-07
575137	I129	I129	1.00E-15				8.02E-08			8.02E-08
575137	Pu238	Pu238			9.66E-13				3.75E-07	3.75E-07
575137	Pu239	Pu239			3.64E-11				1.58E-05	1.58E-05
575137	Pu240	Pu240			8.30E-12				3.60E-06	3.60E-06
575137	Pu241	Pu241			1.24E-10				1.02E-06	1.02E-06
575137	Pu242	Pu242			7.10E-16				2.91E-10	2.91E-10
575137	Ru106	Ru106			7.22E-21				3.60E-17	3.60E-17
575137	Sr90	Sr90	8.00E-15		2.89E-12		1.22E-07		2.16E-08	1.44E-07
575137	U235	U235			9.43E-16				4.05E-11	4.05E-11
575137	U238	U238			2.07E-14				4.00E-10	4.00E-10
575139	H3	H3	1.00E-12				2.27E-08			2.27E-08
575139	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
575140	H3	H3	1.00E-12				2.27E-08			2.27E-08
575140	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
575141	H3	H3	1.00E-12				2.27E-08			2.27E-08
575142	H3	H3	1.00E-12				2.27E-08			2.27E-08
575143	H3	H3	1.00E-12				2.27E-08			2.27E-08
575144	H3	H3	1.00E-12				2.27E-08			2.27E-08
575145	H3	H3	1.00E-12				2.27E-08			2.27E-08
575146	H3	H3	1.00E-12				2.27E-08			2.27E-08
575147	H3	H3	1.00E-12				2.27E-08			2.27E-08
575148	H3	H3	1.00E-12				2.27E-08			2.27E-08
575149	H3	H3	1.00E-12				2.27E-08			2.27E-08
575150	H3	H3	1.00E-12				2.27E-08			2.27E-08
575152	H3	H3	1.00E-12				2.27E-08			2.27E-08
575153	H3	H3	1.00E-12				2.27E-08			2.27E-08
575154	H3	H3	1.00E-12				2.27E-08			2.27E-08
576130	H3	H3	1.00E-12				2.27E-08			2.27E-08
576131	H3	H3	2.00E-11				4.54E-07			4.54E-07
576132	H3	H3	2.00E-10				4.54E-06			4.54E-06
576132	I129	I129	1.00E-15				8.02E-08			8.02E-08
576133	H3	H3	2.00E-10				4.54E-06			4.54E-06
576133	I129	I129	1.00E-15				8.02E-08			8.02E-08
576134	H3	H3	2.00E-11				4.54E-07			4.54E-07
576134	I129	I129	1.00E-15				8.02E-08			8.02E-08
576135	H3	H3	2.00E-11				4.54E-07			4.54E-07
576135	I129	I129	1.00E-15				8.02E-08			8.02E-08
576136	Am241	Am241			4.70E-11				2.05E-05	2.05E-05

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Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
576136	Be7	Beryllium 7		1.55E-13				3.61E-08		3.61E-08
576136	CO60	Cobalt		4.74E-15				8.39E-06		8.39E-06
576136	CS134	Cesium 134		7.33E-15				1.79E-04		1.79E-04
576136	Cs137	Cs137			9.32E-10				2.07E-04	2.07E-04
576136	EU154	Europium 154		1.29E-14				2.77E-06		2.77E-06
576136	EU155	Europium 155		2.34E-14				1.31E-07		1.31E-07
576136	H3	H3	2.00E-11		5.74E-10		4.54E-07		6.54E-12	4.54E-07
576136	H3	Tritium		4.69E-12				1.98E-07		1.98E-07
576136	I129	I129	1.00E-15				8.02E-08			8.02E-08
576136	K40	Potassium		7.14E-13				2.36E-03		2.36E-03
576136	Pm147	Pm147			5.41E-17				2.41E-16	2.41E-16
576136	Pu238	Pu238			2.45E-12				9.51E-07	9.51E-07
576136	Pu239	Pu239			2.85E-10				1.24E-04	1.24E-04
576136	Pu240	Pu240			3.00E-11				1.30E-05	1.30E-05
576136	Pu241	Pu241			4.95E-11				4.08E-07	4.08E-07
576136	Pu242	Pu242			2.57E-15				1.05E-09	1.05E-09
576136	Ru106	Ru106			7.95E-25				3.97E-21	3.97E-21
576136	RU106	Ruthenium		8.34E-14				2.43E-05		2.43E-05
576136	Sr90	Sr90			9.20E-10				6.87E-06	6.87E-06
576136	TC99	Technecium		3.55E-09				2.35E-02		2.35E-02
576136	U235	U235			1.32E-13				5.66E-09	5.66E-09
576136	U238	U238			1.88E-11				3.63E-07	3.63E-07
576136	ZN65	Zinc		1.45E-14				9.14E-05		9.14E-05
576137	H3	H3	2.00E-11				4.54E-07			4.54E-07
576137	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
576138	H3	H3	1.00E-12				2.27E-08			2.27E-08
576139	H3	H3	1.00E-12				2.27E-08			2.27E-08
576139	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
576140	H3	H3	1.00E-12				2.27E-08			2.27E-08
576142	H3	H3	1.00E-12				2.27E-08			2.27E-08
576143	H3	H3	1.00E-12				2.27E-08			2.27E-08
576144	H3	H3	1.00E-12				2.27E-08			2.27E-08
576145	H3	H3	1.00E-12				2.27E-08			2.27E-08
576146	H3	H3	1.00E-12				2.27E-08			2.27E-08
576147	H3	H3	1.00E-12				2.27E-08			2.27E-08
576148	H3	H3	1.00E-12				2.27E-08			2.27E-08
576149	H3	H3	1.00E-12				2.27E-08			2.27E-08
576150	H3	H3	1.00E-12				2.27E-08			2.27E-08
576151	H3	H3	1.00E-12				2.27E-08			2.27E-08
576152	H3	H3	1.00E-12				2.27E-08			2.27E-08
576153	H3	H3	1.00E-12				2.27E-08			2.27E-08

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
576154	H3	H3	1.00E-12				2.27E-08			2.27E-08
577128	H3	H3	1.00E-12				2.27E-08			2.27E-08
577129	H3	H3	1.00E-12				2.27E-08			2.27E-08
577130	H3	H3	2.00E-11				4.54E-07			4.54E-07
577131	H3	H3	2.00E-11				4.54E-07			4.54E-07
577132	H3	H3	2.00E-10				4.54E-06			4.54E-06
577132	I129	I129	1.00E-15				8.02E-08			8.02E-08
577133	H3	H3	2.00E-10				4.54E-06			4.54E-06
577133	I129	I129	5.00E-15				4.01E-07			4.01E-07
577134	H3	H3	2.00E-11				4.54E-07			4.54E-07
577134	I129	I129	1.00E-15				8.02E-08			8.02E-08
577135	H3	H3	2.00E-11				4.54E-07			4.54E-07
577136	H3	H3	2.00E-11				4.54E-07			4.54E-07
577137	H3	H3	2.00E-11				4.54E-07			4.54E-07
577138	H3	H3	1.00E-12				2.27E-08			2.27E-08
577139	H3	H3	1.00E-12				2.27E-08			2.27E-08
577140	H3	H3	1.00E-12				2.27E-08			2.27E-08
577142	H3	H3	1.00E-12				2.27E-08			2.27E-08
577143	H3	H3	1.00E-12				2.27E-08			2.27E-08
577144	H3	H3	1.00E-12				2.27E-08			2.27E-08
577145	H3	H3	1.00E-12				2.27E-08			2.27E-08
577146	H3	H3	1.00E-12				2.27E-08			2.27E-08
577147	H3	H3	1.00E-12				2.27E-08			2.27E-08
577148	H3	H3	1.00E-12				2.27E-08			2.27E-08
577149	H3	H3	1.00E-12				2.27E-08			2.27E-08
577150	H3	H3	1.00E-12				2.27E-08			2.27E-08
577151	H3	H3	1.00E-12				2.27E-08			2.27E-08
577152	C14	C14			2.48E-12				8.31E-11	8.31E-11
577152	Co60	Co60			1.42E-09				4.66E-04	4.66E-04
577152	Cs134	Cs134			4.09E-17				3.24E-12	3.24E-12
577152	Cs137	Cs137			8.78E-12				1.95E-06	1.95E-06
577152	Eu152	Eu152			5.35E-11				1.51E-05	1.51E-05
577152	Eu154	Eu154			7.01E-11				1.69E-05	1.69E-05
577152	Eu155	Eu155			1.26E-13				2.68E-10	2.68E-10
577152	H3	H3	2.00E-11		1.12E-11		4.54E-07		1.28E-13	4.54E-07
577152	Pu238	Pu238			5.13E-15				1.99E-09	1.99E-09
577152	Pu239	Pu239			1.77E-13				7.70E-08	7.70E-08
577152	Pu240	Pu240			1.46E-16				6.34E-11	6.34E-11
577152	Sr90	Sr90	8.00E-15		5.63E-12		1.22E-07		4.21E-08	1.64E-07
577152	U235	U235			1.76E-13				7.55E-09	7.55E-09
577152	U238	U238	2.00E-17		2.18E-14		2.84E-10		4.21E-10	7.05E-10

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Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
577153	H3	H3	1.00E-12				2.27E-08			2.27E-08
577153	U238	U238	4.00E-17				5.68E-10			5.68E-10
578127	H3	H3	1.00E-12				2.27E-08			2.27E-08
578128	H3	H3	1.00E-12				2.27E-08			2.27E-08
578129	H3	H3	2.00E-11				4.54E-07			4.54E-07
578130	H3	H3	2.00E-11				4.54E-07			4.54E-07
578131	H3	H3	2.00E-10				4.54E-06			4.54E-06
578131	I129	I129	1.00E-15				8.02E-08			8.02E-08
578132	H3	H3	2.00E-10				4.54E-06			4.54E-06
578132	I129	I129	1.00E-15				8.02E-08			8.02E-08
578133	H3	H3	2.00E-10				4.54E-06			4.54E-06
578133	I129	I129	1.00E-15				8.02E-08			8.02E-08
578134	H3	H3	2.00E-11				4.54E-07			4.54E-07
578135	H3	H3	2.00E-11				4.54E-07			4.54E-07
578136	H3	H3	2.00E-11				4.54E-07			4.54E-07
578137	H3	H3	1.00E-12				2.27E-08			2.27E-08
578138	H3	H3	1.00E-12				2.27E-08			2.27E-08
578139	H3	H3	1.00E-12				2.27E-08			2.27E-08
578142	H3	H3	1.00E-12				2.27E-08			2.27E-08
578143	H3	H3	1.00E-12				2.27E-08			2.27E-08
578144	H3	H3	1.00E-12				2.27E-08			2.27E-08
578145	H3	H3	1.00E-12				2.27E-08			2.27E-08
578146	H3	H3	1.00E-12				2.27E-08			2.27E-08
578147	H3	H3	1.00E-12				2.27E-08			2.27E-08
578148	H3	H3	1.00E-12				2.27E-08			2.27E-08
578149	H3	H3	1.00E-12				2.27E-08			2.27E-08
578150	H3	H3	1.00E-12				2.27E-08			2.27E-08
578151	H3	H3	1.00E-12				2.27E-08			2.27E-08
578152	C14	C14			5.59E-14				1.87E-12	1.87E-12
578152	Co60	Co60			9.70E-13				3.18E-07	3.18E-07
578152	Cs134	Cs134			1.59E-17				1.26E-12	1.26E-12
578152	Cs137	Cs137			6.16E-12				1.37E-06	1.37E-06
578152	Eu152	Eu152			1.29E-11				3.65E-06	3.65E-06
578152	Eu154	Eu154			5.50E-12				1.33E-06	1.33E-06
578152	Eu155	Eu155			1.26E-13				2.68E-10	2.68E-10
578152	H3	H3	1.00E-12		5.82E-14		2.27E-08		6.63E-16	2.27E-08
578152	Pu238	Pu238			5.94E-15				2.30E-09	2.30E-09
578152	Pu239	Pu239			1.50E-13				6.52E-08	6.52E-08
578152	Pu240	Pu240			9.27E-15				4.02E-09	4.02E-09
578152	Sr90	Sr90	8.00E-15		1.14E-12		1.22E-07		8.52E-09	1.31E-07
578152	U235	U235			6.83E-14				2.93E-09	2.93E-09

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
578152	U238	U238	4.00E-17		2.20E-13		5.68E-10		4.25E-09	4.81E-09
578153	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
579126	H3	H3	1.00E-12				2.27E-08			2.27E-08
579127	H3	H3	1.00E-12				2.27E-08			2.27E-08
579128	H3	H3	2.00E-11				4.54E-07			4.54E-07
579129	H3	H3	2.00E-11				4.54E-07			4.54E-07
579129	I129	I129	1.00E-15				8.02E-08			8.02E-08
579130	H3	H3	2.00E-10				4.54E-06			4.54E-06
579130	I129	I129	1.00E-15				8.02E-08			8.02E-08
579131	H3	H3	2.00E-10				4.54E-06			4.54E-06
579131	I129	I129	1.00E-15				8.02E-08			8.02E-08
579132	H3	H3	2.00E-10				4.54E-06			4.54E-06
579132	I129	I129	1.00E-15				8.02E-08			8.02E-08
579133	H3	H3	2.00E-11				4.54E-07			4.54E-07
579133	I129	I129	1.00E-15				8.02E-08			8.02E-08
579134	H3	H3	2.00E-11				4.54E-07			4.54E-07
579135	H3	H3	1.00E-12				2.27E-08			2.27E-08
579136	H3	H3	1.00E-12				2.27E-08			2.27E-08
579137	H3	H3	1.00E-12				2.27E-08			2.27E-08
579138	H3	H3	1.00E-12				2.27E-08			2.27E-08
579139	H3	H3	1.00E-12				2.27E-08			2.27E-08
579142	H3	H3	1.00E-12				2.27E-08			2.27E-08
579143	H3	H3	1.00E-12				2.27E-08			2.27E-08
579144	H3	H3	1.00E-12				2.27E-08			2.27E-08
579145	H3	H3	1.00E-12				2.27E-08			2.27E-08
579146	H3	H3	1.00E-12				2.27E-08			2.27E-08
579147	Co60	Co60			3.48E-10				1.14E-04	1.14E-04
579147	H3	H3	1.00E-12				2.27E-08			2.27E-08
579148	H3	H3	1.00E-12				2.27E-08			2.27E-08
579149	H3	H3	1.00E-12				2.27E-08			2.27E-08
579150	H3	H3	1.00E-12				2.27E-08			2.27E-08
579151	H3	H3	1.00E-12				2.27E-08			2.27E-08
580125	H3	H3	1.00E-12				2.27E-08			2.27E-08
580126	H3	H3	1.00E-12				2.27E-08			2.27E-08
580127	H3	H3	2.00E-11				4.54E-07			4.54E-07
580128	H3	H3	2.00E-11				4.54E-07			4.54E-07
580129	H3	H3	2.00E-11				4.54E-07			4.54E-07
580130	H3	H3	2.00E-10				4.54E-06			4.54E-06
580131	H3	H3	2.00E-10				4.54E-06			4.54E-06
580132	H3	H3	2.00E-10				4.54E-06			4.54E-06
580133	H3	H3	2.00E-11				4.54E-07			4.54E-07

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Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
580134	H3	H3	2.00E-11				4.54E-07			4.54E-07
580135	H3	H3	1.00E-12				2.27E-08			2.27E-08
580136	H3	H3	2.00E-11				4.54E-07			4.54E-07
580137	H3	H3	1.00E-12				2.27E-08			2.27E-08
580138	H3	H3	1.00E-12				2.27E-08			2.27E-08
580139	H3	H3	1.00E-12				2.27E-08			2.27E-08
580141	H3	H3	1.00E-12				2.27E-08			2.27E-08
580142	H3	H3	1.00E-12				2.27E-08			2.27E-08
580143	H3	H3	1.00E-12				2.27E-08			2.27E-08
580144	H3	H3	1.00E-12				2.27E-08			2.27E-08
580145	H3	H3	1.00E-12				2.27E-08			2.27E-08
580146	H3	H3	2.00E-11				4.54E-07			4.54E-07
580147	C14	C14			1.77E-12				5.93E-11	5.93E-11
580147	Co60	Co60			1.27E-09				4.17E-04	4.17E-04
580147	Cs134	Cs134			1.48E-15				1.17E-10	1.17E-10
580147	Cs137	Cs137			1.08E-11				2.40E-06	2.40E-06
580147	Eu152	Eu152			3.83E-11				1.08E-05	1.08E-05
580147	Eu154	Eu154			5.74E-11				1.38E-05	1.38E-05
580147	Eu155	Eu155			9.63E-14				2.05E-10	2.05E-10
580147	H3	H3	2.00E-11		1.32E-11		4.54E-07		1.50E-13	4.54E-07
580147	Ni63	Ni63			2.20E-10				1.42E-09	1.42E-09
580147	Pu238	Pu238			1.40E-15				5.43E-10	5.43E-10
580147	Pu239	Pu239			1.43E-13				6.22E-08	6.22E-08
580147	Pu240	Pu240			1.59E-14				6.90E-09	6.90E-09
580147	Sr90	Sr90	5.00E-14		3.23E-11		7.65E-07		2.41E-07	1.01E-06
580147	U235	U235			6.22E-16				2.67E-11	2.67E-11
580147	U238	U238			7.44E-14				1.44E-09	1.44E-09
580148	H3	H3	1.00E-12				2.27E-08			2.27E-08
580148	Sr90	Sr90	8.00E-15				1.22E-07			1.22E-07
581124	H3	H3	1.00E-12				2.27E-08			2.27E-08
581125	H3	H3	1.00E-12				2.27E-08			2.27E-08
581126	H3	H3	2.00E-11				4.54E-07			4.54E-07
581127	H3	H3	2.00E-11				4.54E-07			4.54E-07
581128	H3	H3	2.00E-11				4.54E-07			4.54E-07
581129	H3	H3	2.00E-11				4.54E-07			4.54E-07
581130	H3	H3	2.00E-11				4.54E-07			4.54E-07
581131	H3	H3	2.00E-11				4.54E-07			4.54E-07
581132	H3	H3	2.00E-11				4.54E-07			4.54E-07
581133	H3	H3	2.00E-11				4.54E-07			4.54E-07
581134	H3	H3	2.00E-11				4.54E-07			4.54E-07
581135	H3	H3	2.00E-11				4.54E-07			4.54E-07

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
581136	H3	H3	1.00E-12				2.27E-08			2.27E-08
581137	H3	H3	2.00E-11				4.54E-07			4.54E-07
581138	H3	H3	1.00E-12				2.27E-08			2.27E-08
581139	H3	H3	1.00E-12				2.27E-08			2.27E-08
581141	H3	H3	1.00E-12				2.27E-08			2.27E-08
581142	H3	H3	1.00E-12				2.27E-08			2.27E-08
581143	H3	H3	1.00E-12				2.27E-08			2.27E-08
581144	H3	H3	1.00E-12				2.27E-08			2.27E-08
581145	H3	H3	1.00E-12				2.27E-08			2.27E-08
581146	H3	H3	1.00E-12				2.27E-08			2.27E-08
581147	C14	C14			1.10E-13				3.69E-12	3.69E-12
581147	Co60	Co60			2.35E-12				7.71E-07	7.71E-07
581147	Cs134	Cs134			2.45E-16				1.94E-11	1.94E-11
581147	Cs137	Cs137			1.98E-12				4.40E-07	4.40E-07
581147	Eu152	Eu152			1.87E-11				5.29E-06	5.29E-06
581147	Eu154	Eu154			4.12E-12				9.93E-07	9.93E-07
581147	Eu155	Eu155			3.40E-13				7.24E-10	7.24E-10
581147	H3	H3	1.00E-12		8.54E-13		2.27E-08		9.74E-15	2.27E-08
581147	Pu238	Pu236			2.32E-17				9.00E-12	9.00E-12
581147	Pu239	Pu239			6.59E-13				2.87E-07	2.87E-07
581147	Pu240	Pu240			3.03E-15				1.32E-09	1.32E-09
581147	Sr90	Sr90	5.00E-14		2.28E-11		7.65E-07		1.70E-07	9.35E-07
581147	U235	U235			2.82E-14				1.21E-09	1.21E-09
581147	U238	U238			3.15E-14				6.08E-10	6.08E-10
581148	H3	H3	1.00E-12				2.27E-08			2.27E-08
582123	H3	H3	1.00E-12				2.27E-08			2.27E-08
582124	H3	H3	1.00E-12				2.27E-08			2.27E-08
582125	H3	H3	2.00E-11				4.54E-07			4.54E-07
582126	H3	H3	2.00E-11				4.54E-07			4.54E-07
582127	H3	H3	2.00E-11				4.54E-07			4.54E-07
582128	H3	H3	2.00E-11				4.54E-07			4.54E-07
582129	H3	H3	2.00E-11				4.54E-07			4.54E-07
582130	H3	H3	2.00E-11				4.54E-07			4.54E-07
582131	H3	H3	2.00E-11				4.54E-07			4.54E-07
582132	H3	H3	2.00E-11				4.54E-07			4.54E-07
582133	H3	H3	2.00E-11				4.54E-07			4.54E-07
582134	H3	H3	2.00E-11				4.54E-07			4.54E-07
582135	H3	H3	2.00E-11				4.54E-07			4.54E-07
582136	H3	H3	2.00E-11				4.54E-07			4.54E-07
582137	H3	H3	2.00E-11				4.54E-07			4.54E-07
582138	H3	H3	1.00E-12				2.27E-08			2.27E-08

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Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
582139	H3	H3	1.00E-12				2.27E-08			2.27E-08
582140	H3	H3	1.00E-12				2.27E-08			2.27E-08
582141	H3	H3	1.00E-12				2.27E-08			2.27E-08
582142	H3	H3	1.00E-12				2.27E-08			2.27E-08
582143	H3	H3	1.00E-12				2.27E-08			2.27E-08
582144	H3	H3	1.00E-12				2.27E-08			2.27E-08
582145	H3	H3	1.00E-12				2.27E-08			2.27E-08
582146	H3	H3	1.00E-12				2.27E-08			2.27E-08
582147	H3	H3	1.00E-12				2.27E-08			2.27E-08
583122	H3	H3	1.00E-12				2.27E-08			2.27E-08
583123	H3	H3	1.00E-12				2.27E-08			2.27E-08
583124	H3	H3	2.00E-11				4.54E-07			4.54E-07
583125	H3	H3	2.00E-11				4.54E-07			4.54E-07
583126	H3	H3	2.00E-11				4.54E-07			4.54E-07
583127	H3	H3	2.00E-11				4.54E-07			4.54E-07
583128	H3	H3	2.00E-11				4.54E-07			4.54E-07
583129	H3	H3	2.00E-11				4.54E-07			4.54E-07
583130	H3	H3	2.00E-11				4.54E-07			4.54E-07
583131	H3	H3	2.00E-11				4.54E-07			4.54E-07
583132	H3	H3	2.00E-11				4.54E-07			4.54E-07
583133	H3	H3	2.00E-11				4.54E-07			4.54E-07
583134	H3	H3	2.00E-11				4.54E-07			4.54E-07
583135	H3	H3	2.00E-11				4.54E-07			4.54E-07
583136	H3	H3	2.00E-11				4.54E-07			4.54E-07
583137	H3	H3	2.00E-11				4.54E-07			4.54E-07
583138	H3	H3	1.00E-12				2.27E-08			2.27E-08
583139	H3	H3	1.00E-12				2.27E-08			2.27E-08
583140	H3	H3	1.00E-12				2.27E-08			2.27E-08
583141	H3	H3	1.00E-12				2.27E-08			2.27E-08
583142	H3	H3	1.00E-12				2.27E-08			2.27E-08
583143	H3	H3	1.00E-12				2.27E-08			2.27E-08
583144	H3	H3	1.00E-12				2.27E-08			2.27E-08
584121	H3	H3	1.00E-12				2.27E-08			2.27E-08
584122	H3	H3	1.00E-12				2.27E-08			2.27E-08
584123	H3	H3	2.00E-11				4.54E-07			4.54E-07
584124	H3	H3	2.00E-11				4.54E-07			4.54E-07
584125	H3	H3	2.00E-11				4.54E-07			4.54E-07
584126	H3	H3	2.00E-11				4.54E-07			4.54E-07
584127	H3	H3	2.00E-11				4.54E-07			4.54E-07
584128	H3	H3	2.00E-11				4.54E-07			4.54E-07
584129	H3	H3	2.00E-11				4.54E-07			4.54E-07

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
584130	H3	H3	2.00E-11				4.54E-07			4.54E-07
584131	H3	H3	2.00E-11				4.54E-07			4.54E-07
584132	H3	H3	2.00E-11				4.54E-07			4.54E-07
584133	H3	H3	2.00E-11				4.54E-07			4.54E-07
584134	H3	H3	2.00E-11				4.54E-07			4.54E-07
584135	H3	H3	2.00E-11				4.54E-07			4.54E-07
584136	H3	H3	2.00E-11				4.54E-07			4.54E-07
584137	H3	H3	2.00E-11				4.54E-07			4.54E-07
584138	H3	H3	1.00E-12				2.27E-08			2.27E-08
584139	H3	H3	1.00E-12				2.27E-08			2.27E-08
584140	H3	H3	1.00E-12				2.27E-08			2.27E-08
584141	H3	H3	1.00E-12				2.27E-08			2.27E-09
584142	H3	H3	1.00E-12				2.27E-08			2.27E-08
585121	H3	H3	1.00E-12				2.27E-08			2.27E-08
585122	H3	H3	2.00E-11				4.54E-07			4.54E-07
585123	H3	H3	2.00E-11				4.54E-07			4.54E-07
585124	H3	H3	2.00E-11				4.54E-07			4.54E-07
585125	H3	H3	2.00E-11				4.54E-07			4.54E-07
585126	H3	H3	2.00E-11				4.54E-07			4.54E-07
585127	H3	H3	2.00E-11				4.54E-07			4.54E-07
585128	H3	H3	2.00E-11				4.54E-07			4.54E-07
585129	H3	H3	2.00E-11				4.54E-07			4.54E-07
585130	H3	H3	2.00E-11				4.54E-07			4.54E-07
585131	H3	H3	2.00E-11				4.54E-07			4.54E-07
585132	H3	H3	2.00E-11				4.54E-07			4.54E-07
585133	H3	H3	2.00E-11				4.54E-07			4.54E-07
585134	H3	H3	2.00E-10				4.54E-06			4.54E-06
585135	H3	H3	2.00E-10				4.54E-06			4.54E-06
585136	H3	H3	2.00E-10				4.54E-06			4.54E-06
585137	H3	H3	2.00E-11				4.54E-07			4.54E-07
585138	H3	H3	1.00E-12				2.27E-08			2.27E-08
585139	H3	H3	1.00E-12				2.27E-08			2.27E-08
585141	H3	H3	1.00E-12				2.27E-08			2.27E-08
586120	H3	H3	1.00E-12				2.27E-08			2.27E-08
586121	H3	H3	1.00E-12				2.27E-08			2.27E-08
586122	H3	H3	2.00E-11				4.54E-07			4.54E-07
586123	H3	H3	2.00E-11				4.54E-07			4.54E-07
586124	H3	H3	2.00E-11				4.54E-07			4.54E-07
586125	H3	H3	2.00E-11				4.54E-07			4.54E-07
586126	H3	H3	2.00E-11				4.54E-07			4.54E-07
586127	H3	H3	2.00E-11				4.54E-07			4.54E-07

96135459.2573

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
586128	H3	H3	2.00E-11				4.54E-07			4.54E-07
586129	H3	H3	2.00E-11				4.54E-07			4.54E-07
586130	H3	H3	2.00E-11				4.54E-07			4.54E-07
586131	H3	H3	2.00E-11				4.54E-07			4.54E-07
586132	H3	H3	2.00E-11				4.54E-07			4.54E-07
586133	H3	H3	2.00E-10				4.54E-06			4.54E-06
586134	H3	H3	2.00E-10				4.54E-06			4.54E-06
586135	H3	H3	2.00E-10				4.54E-06			4.54E-06
586136	H3	H3	2.00E-10				4.54E-06			4.54E-06
586137	H3	H3	2.00E-11				4.54E-07			4.54E-07
586138	H3	H3	1.00E-12				2.27E-08			2.27E-08
587120	H3	H3	1.00E-12				2.27E-08			2.27E-08
587121	H3	H3	1.00E-12				2.27E-08			2.27E-08
587122	H3	H3	2.00E-11				4.54E-07			4.54E-07
587123	H3	H3	2.00E-11				4.54E-07			4.54E-07
587124	H3	H3	2.00E-11				4.54E-07			4.54E-07
587125	H3	H3	2.00E-11				4.54E-07			4.54E-07
587126	H3	H3	1.00E-12				2.27E-08			2.27E-08
587127	H3	H3	1.00E-12				2.27E-08			2.27E-08
587128	H3	H3	1.00E-12				2.27E-08			2.27E-08
587129	H3	H3	2.00E-11				4.54E-07			4.54E-07
587130	H3	H3	2.00E-11				4.54E-07			4.54E-07
587131	H3	H3	2.00E-11				4.54E-07			4.54E-07
587132	H3	H3	2.00E-11				4.54E-07			4.54E-07
587133	H3	H3	2.00E-10				4.54E-06			4.54E-06
587134	H3	H3	2.00E-10				4.54E-06			4.54E-06
587134	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
587135	H3	H3	2.00E-10				4.54E-06			4.54E-06
587135	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
587136	H3	H3	2.00E-10				4.54E-06			4.54E-06
587136	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
587137	H3	H3	2.00E-11				4.54E-07			4.54E-07
587137	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
587138	H3	H3	1.00E-12				2.27E-08			2.27E-08
588120	H3	H3	1.00E-12				2.27E-08			2.27E-08
588121	H3	H3	1.00E-12				2.27E-08			2.27E-08
588122	H3	H3	2.00E-11				4.54E-07			4.54E-07
588123	H3	H3	2.00E-11				4.54E-07			4.54E-07
588124	H3	H3	2.00E-11				4.54E-07			4.54E-07
588125	H3	H3	2.00E-11				4.54E-07			4.54E-07
588126	H3	H3	1.00E-12				2.27E-08			2.27E-08

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
588127	H3	H3	1.00E-12				2.27E-08			2.27E-08
588128	H3	H3	1.00E-12				2.27E-08			2.27E-08
588129	H3	H3	2.00E-11				4.54E-07			4.54E-07
588130	H3	H3	2.00E-11				4.54E-07			4.54E-07
588131	H3	H3	2.00E-11				4.54E-07			4.54E-07
588132	H3	H3	2.00E-11				4.54E-07			4.54E-07
588133	H3	H3	2.00E-10				4.54E-06			4.54E-06
588133	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
588134	H3	H3	2.00E-10				4.54E-06			4.54E-06
588134	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
588135	H3	H3	2.00E-10				4.54E-06			4.54E-06
588135	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
588136	H3	H3	2.00E-10				4.54E-06			4.54E-06
588136	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
588137	H3	H3	2.00E-10				4.54E-06			4.54E-06
588137	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
589120	H3	H3	1.00E-12				2.27E-08			2.27E-08
589121	H3	H3	2.00E-11				4.54E-07			4.54E-07
589122	H3	H3	2.00E-11				4.54E-07			4.54E-07
589123	H3	H3	2.00E-11				4.54E-07			4.54E-07
589124	H3	H3	2.00E-11				4.54E-07			4.54E-07
589125	H3	H3	2.00E-11				4.54E-07			4.54E-07
589126	H3	H3	1.00E-12				2.27E-08			2.27E-08
589127	Co60	Co60			5.63E-10				1.85E-04	1.85E-04
589127	H3	H3	1.00E-12				2.27E-08			2.27E-08
589128	H3	H3	1.00E-12				2.27E-08			2.27E-08
589129	H3	H3	1.00E-12				2.27E-08			2.27E-08
589130	H3	H3	2.00E-11				4.54E-07			4.54E-07
589131	H3	H3	2.00E-11				4.54E-07			4.54E-07
589132	H3	H3	2.00E-11				4.54E-07			4.54E-07
589133	H3	H3	2.00E-11				4.54E-07			4.54E-07
589133	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
589134	H3	H3	2.00E-10				4.54E-06			4.54E-06
589134	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
589135	H3	H3	2.00E-10				4.54E-06			4.54E-06
589135	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
589136	H3	H3	2.00E-10				4.54E-06			4.54E-06
589136	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
589137	H3	H3	2.00E-10				4.54E-06			4.54E-06
589137	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
590119	H3	H3	1.00E-12				2.27E-08			2.27E-08

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
590120	H3	H3	1.00E-12				2.27E-08			2.27E-08
590121	Co60	Co60			2.78E-10				9.12E-05	9.12E-05
590121	H3	H3	2.00E-11				4.54E-07			4.54E-07
590121	Pu239	Pu239			1.94E-10				8.44E-05	8.44E-05
590121	U235	U235			1.46E-16				6.26E-12	6.26E-12
590121	U238	U238			1.57E-18				3.03E-14	3.03E-14
590122	H3	H3	2.00E-11				4.54E-07			4.54E-07
590123	H3	H3	2.00E-11				4.54E-07			4.54E-07
590124	H3	H3	2.00E-11				4.54E-07			4.54E-07
590125	H3	H3	2.00E-11				4.54E-07			4.54E-07
590126	H3	H3	1.00E-12				2.27E-08			2.27E-08
590127	H3	H3	1.00E-12				2.27E-08			2.27E-08
590128	H3	H3	1.00E-12				2.27E-08			2.27E-08
590129	H3	H3	1.00E-12				2.27E-08			2.27E-08
590130	H3	H3	1.00E-12				2.27E-08			2.27E-08
590131	H3	H3	2.00E-11				4.54E-07			4.54E-07
590132	H3	H3	2.00E-11				4.54E-07			4.54E-07
590133	H3	H3	2.00E-11				4.54E-07			4.54E-07
590133	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
590134	H3	H3	2.00E-11				4.54E-07			4.54E-07
590134	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
590135	H3	H3	2.00E-10				4.54E-06			4.54E-06
590135	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
590136	H3	H3	2.00E-10				4.54E-06			4.54E-06
590136	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
591119	H3	H3	1.00E-12				2.27E-08			2.27E-08
591120	H3	H3	1.00E-12				2.27E-08			2.27E-08
591121	H3	H3	2.00E-11				4.54E-07			4.54E-07
591122	H3	H3	2.00E-11				4.54E-07			4.54E-07
591123	H3	H3	2.00E-11				4.54E-07			4.54E-07
591124	H3	H3	2.00E-11				4.54E-07			4.54E-07
591125	H3	H3	2.00E-11				4.54E-07			4.54E-07
591126	H3	H3	1.00E-12				2.27E-08			2.27E-08
591127	H3	H3	1.00E-12				2.27E-08			2.27E-08
591128	H3	H3	1.00E-12				2.27E-08			2.27E-08
591129	H3	H3	1.00E-12				2.27E-08			2.27E-08
591130	H3	H3	1.00E-12				2.27E-08			2.27E-08
591131	H3	H3	2.00E-11				4.54E-07			4.54E-07
591132	H3	H3	2.00E-11				4.54E-07			4.54E-07
591133	H3	H3	2.00E-11				4.54E-07			4.54E-07
591133	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08

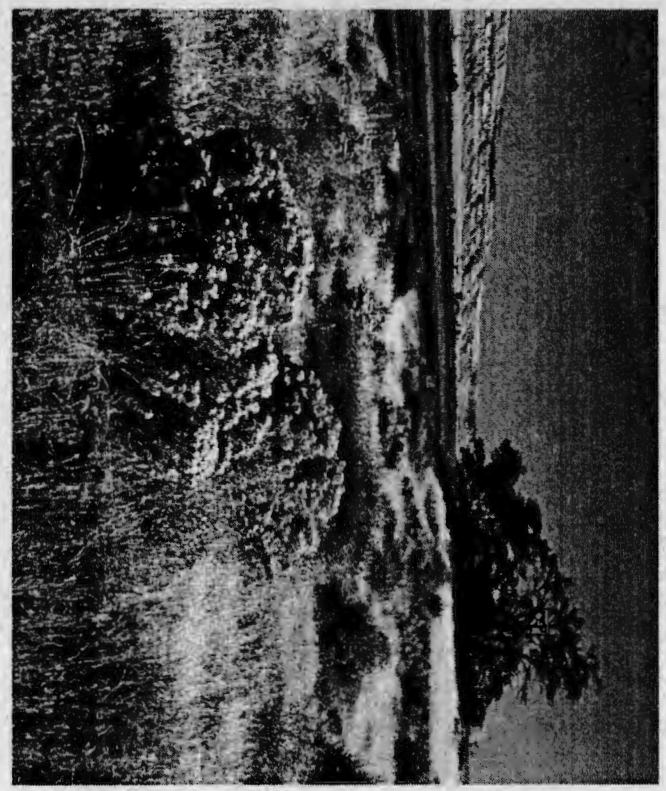
Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
591134	H3	H3	2.00E-11				4.54E-07			4.54E-07
591134	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
591135	H3	H3	2.00E-11				4.54E-07			4.54E-07
592116	Co60	Co60			1.42E-17				4.66E-12	4.66E-12
592116	Th232	Th232			5.63E-09				9.29E-03	9.29E-03
592116	U235	U235			8.79E-13				3.77E-08	3.77E-08
592116	U238	U238			1.88E-11				3.63E-07	3.63E-07
592118	H3	H3	1.00E-12				2.27E-08			2.27E-08
592119	H3	H3	1.00E-12				2.27E-08			2.27E-08
592120	H3	H3	1.00E-12				2.27E-08			2.27E-08
592121	H3	H3	2.00E-11				4.54E-07			4.54E-07
592122	H3	H3	2.00E-11				4.54E-07			4.54E-07
592123	H3	H3	2.00E-11				4.54E-07			4.54E-07
592124	H3	H3	2.00E-11				4.54E-07			4.54E-07
592125	H3	H3	1.00E-12				2.27E-08			2.27E-08
592126	H3	H3	1.00E-12				2.27E-08			2.27E-08
592127	H3	H3	1.00E-12				2.27E-08			2.27E-08
592128	H3	H3	1.00E-12				2.27E-08			2.27E-08
592129	H3	H3	1.00E-12				2.27E-08			2.27E-08
592130	H3	H3	1.00E-12				2.27E-08			2.27E-08
592131	H3	H3	2.00E-11				4.54E-07			4.54E-07
592132	H3	H3	2.00E-11				4.54E-07			4.54E-07
592133	H3	H3	2.00E-11				4.54E-07			4.54E-07
592133	Tc99	Tc99	5.00E-14				2.74E-08			2.74E-08
592134	H3	H3	2.00E-11				4.54E-07			4.54E-07
593116	Co60	Co60			3.27E-17				1.07E-11	1.07E-11
593116	U235	U235			5.24E-13				2.25E-08	2.25E-08
593116	U238	U238	2.00E-14		1.12E-11		2.84E-07		2.16E-07	5.00E-07
593117	H3	H3	1.00E-12				2.27E-08			2.27E-08
593118	H3	H3	1.00E-12				2.27E-08			2.27E-08
593119	H3	H3	1.00E-12				2.27E-08			2.27E-08
593120	H3	H3	1.00E-12				2.27E-08			2.27E-08
593121	H3	H3	1.00E-12				2.27E-08			2.27E-08
593122	H3	H3	1.00E-12				2.27E-08			2.27E-08
593123	H3	H3	1.00E-12				2.27E-08			2.27E-08
593124	H3	H3	1.00E-12				2.27E-08			2.27E-08
593125	H3	H3	1.00E-12				2.27E-08			2.27E-08
593126	H3	H3	1.00E-12				2.27E-08			2.27E-08
593127	H3	H3	1.00E-12				2.27E-08			2.27E-08
593128	H3	H3	1.00E-12				2.27E-08			2.27E-08
593129	H3	H3	1.00E-12				2.27E-06			2.27E-08

96135 9.2675

Table B6-8. Radionuclide Concentration and Resultant Individual Risk for Recreational Scenario for Each Cell at T0 (year 1989).

Cell	CAS	Name	Concentration			URFs	Risk (Concentration x URFs)			Overall Risk
			Groundwater Ci/ml	Surface Water Ci/ml	Soil Ci/g		Groundwater	Surface Water	Soil	
593130	H3	H3	1.00E-12				2.27E-08			2.27E-08
593131	H3	H3	2.00E-11				4.54E-07			4.54E-07
593132	H3	H3	2.00E-11				4.54E-07			4.54E-07
593133	H3	H3	2.00E-11				4.54E-07			4.54E-07
594115	H3	H3	1.00E-12				2.27E-08			2.27E-08
594115	U238	U238	2.00E-14		4.54E-07		2.84E-07		8.76E-03	8.76E-03
594116	Cs137	Cs137			2.71E-08				6.02E-03	6.02E-03
594116	H3	H3	2.00E-12				4.54E-08			4.54E-08
594116	Pu239	Pu239			1.77E-12				7.70E-07	7.70E-07
594116	Pu240	Pu240			5.00E-13				2.17E-07	2.17E-07
594116	Sr90	Sr90			2.70E-08				2.02E-04	2.02E-04
594116	U238	U238	1.00E-13				1.42E-06			1.42E-06
594117	H3	H3	2.00E-12				4.54E-08			4.54E-08
594117	U238	U238	2.00E-14				2.84E-07			2.84E-07
594118	H3	H3	2.00E-12				4.54E-08			4.54E-08
594119	H3	H3	2.00E-12				4.54E-08			4.54E-08
594120	H3	H3	2.00E-12				4.54E-08			4.54E-08
594121	H3	H3	1.00E-12				2.27E-08			2.27E-08
594122	H3	H3	1.00E-12				2.27E-08			2.27E-08
594123	H3	H3	1.00E-12				2.27E-08			2.27E-08
594124	H3	H3	1.00E-12				2.27E-08			2.27E-08
594125	H3	H3	1.00E-12				2.27E-08			2.27E-08
594126	H3	H3	1.00E-12				2.27E-08			2.27E-08
594127	H3	H3	1.00E-12				2.27E-08			2.27E-08
594128	H3	H3	1.00E-12				2.27E-08			2.27E-08
594129	H3	H3	1.00E-12				2.27E-08			2.27E-08
594130	H3	H3	1.00E-12				2.27E-08			2.27E-08
594131	H3	H3	2.00E-11				4.54E-07			4.54E-07
594132	H3	H3	2.00E-11				4.54E-07			4.54E-07



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