START

0019501

MAR 03 1992
Sta. 21

ENGINEERING DATA TRANSMITTAL

Page 1 of 1

1. EDT 157073

2. To: (Receiving Organization)	3. From: (Originating Organization)	4. Related EDT No.:
Distribution	Geosciences Group	NA
5. Proj./Prog./Dept./Div.:	6. Cog. Engr.:	7. Purchase Order No.:
Environmental Division	R.E. Peterson	NA
8. Originator Remarks:		9. Equip./Component No.:
Document for review/release.		NA
		10. System/Bldg./Facility:
		NA
11. Receiver Remarks:		12. Major Assm. Dwg. No.:
		NA
		13. Permit/Permit Application No.:
		NA
		14. Required Response Date:
		2/24/92

15. DATA TRANSMITTED

(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	(F) Impact Level	(G) Reason for Transmittal	(H) Originator Disposition	(I) Receiver Disposition
1	WHC-SD-EN-TI-006		0	Hydrologic and Geologic Data Available for the Region North of Gable Mountain, Hanford Site, Washington	4			

MAR 1992 RECEIVED EDMC

16. KEY

Impact Level (F)	Reason for Transmittal (G)	Disposition (H) & (I)
1, 2, 3, or 4 (see MRP 5.43)	1. Approval 2. Release 3. Information 4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment 4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION
(See Impact Level for required signatures)

(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.
1	2	Cog.Eng.	R.E. Peterson	2/24/92	H4-56	J.A. Serkowski		2/25/92	H4-56		
1	2	Cog. Mgr.	A.J. Knepp	2-27-92	H4-56	M.J. Hartman		24 Feb 92	H4-56		
		QA				S.E. Vukelich		2/24/92	H4-55		
		Safety				EDMC (2)			H4-22		
		Env.	R.K. Ledgerwood	2/25/92	H3-05	IRM Clearance			H4-17		

18. R.E. Peterson — Signature of EDT Originator — Date 2/24/92

19. Authorized Representative for Receiving Organization — Date

20. A.J. Knepp — Cognizant/Project Engineer's Manager — Date 2-27-92

21. DOE APPROVAL (if required) Ltr. No. NA
[] Approved
[] Approved w/comments
[] Disapproved w/comments

BD-7400-172-2 (07/89) (EF) GEF097

BD-7400-172-1 (02/89)

INFORMATION RELEASE REQUEST

References: WHC-CM-3-4

Purpose

- ☐ Speech or Presentation (Check only one suffix)
  - ☐ Full Paper
  - ☐ Summary
  - ☐ Abstract
  - ☐ Visual Aid
- ☐ Speakers Bureau
- ☐ Poster Session
- ☐ Videotape
- ☐ Reference
- ☑ Technical Report
- ☐ Thesis or Dissertation
- ☐ Manual
- ☐ Brochure/Flier
- ☐ Software/Database
- ☐ Controlled Document
- ☐ Other _____

New ID Number: WHC-SD-EN-TI-006, Draft ~~Rev C~~

Existing ID Number (include revision, volume, etc.)

If previously cleared, list ID number. INFORMATION

Date Release Required: 11/18/91

Title: Hydrologic and Geologic Data Available for the Region North of Gable Mountain, Hanford Site, Washington

Unclassified Category: UC- NA

Impact Level: 4

Title of Journal: NA

Group or Society Sponsoring: NA

Date(s) of Conference or Meeting: NA

City/State: NA

Will proceedings be published? NA ☐ Yes ☐ No

Will material be handed out? NA ☐ Yes ☐ No

Title of Conference or Meeting: NA

CHECKLIST FOR SIGNATORIES

Review Required per WHC-CM-3-4	Yes	No	Reviewer Name (printed)	Signature	Date
Classification/Unclassified Controlled Nuclear Information	☐	☑			
Patent - General Counsel	☑	☐	SWBERGLIN	SWBerglin	11/8/91
Legal - General Counsel	☑	☐	SWBERGLIN	SWBerglin	11/8/91
Applied Technology/Export Controlled Information	☐	☑			
Or International Program					
WHC Program	☐	☑			
Communications	☐	☑			
DOE-RL Program	☐	☑			
Publications Services	☐	☑			
Other Program	☐	☑			
References Available to Intended Audience	☑	☑	Faye Stone		
Transmit to DOE-HQ/Office of Scientific and Technical Information	☐	☑			

Information conforms to all applicable requirements. The above information is certified to be correct.

Author/Requestor (Printed/Signature) Date

R.E. PETERSON R.E. Peterson 11-6-91

Responsible Manager (Printed/Signature) Date

M.I. MARRATT M I Marratt 11/6/91

Intended Audience

☐ Internal ☐ Sponsor ☑ External

INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP

Stamp is required before release. Release is contingent upon resolution of mandatory comments

APPROVED FOR PUBLIC RELEASE DOCUMENT NS 2/28/92

Date Received 11/7/91

SUPPORTING DOCUMENT

1. Total Pages 131

2. Title

Hydrologic and Geologic Data Available for the Region North of Gable Mountain, Hanford Site, Washington

3. Number

WHC-SD-EN-TI-006

4. Rev No.

0

5. Key Words

100 Areas, hydrogeology, geology

APPROVED FOR PUBLIC RELEASE
2/28/92 MWolis

6. Author

Name: R.E. Peterson

R.E. Peterson
Signature

Organization/Charge Code 81232/PH1A9

7. Abstract

This document is a catalog of hydrologic and geologic data that are currently available for the northern portion of the Hanford Site. Such data include geologic logs and samples, groundwater chemistry, water-level, and surface water data. All known wells are listed with well construction information and current users.

8. PURPOSE AND USE OF DOCUMENT - This document was prepared for use within the U.S. Department of Energy and its contractors. It is to be used only to perform, direct, or integrate work under U.S. Department of Energy contracts. This document is not approved for public release until reviewed.

PATENT STATUS - This document copy, since it is transmitted in advance of patent clearance, is made available in confidence solely for use in performance of work under contracts with the U.S. Department of Energy. This document is not to be published nor its contents otherwise disseminated or used for purposes other than specified above before patent approval for such release or use has been secured, upon request, from the Patent Counsel, U.S. Department of Energy Field Office, Richland, WA.

DISCLAIMER - This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, nor any of their contractors, subcontractors or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or any third party's use or the results of such use of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

9. Impact Level 4

10. RELEASE STAMP

OFFICIAL RELEASE
BY WHC
DATE MAR 03 1992
Sta. 21

9212250879

CONTENTS

APPENDICES

CONTENTS (cont)

FIGURES

TABLES

THIS PAGE INTENTIONALLY
LEFT BLANK

1.0 INTRODUCTION

Various site characterization activities are being conducted on the Hanford Site under the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) and the past-practices provisions of the *Resource Conservation and Recovery Act of 1976* (RCRA). An initial step in those activities has been to compile an inventory of existing information. This document presents a catalog of hydrologic and geologic data that are currently available for the northern portion of the Hanford Site.

As part of the aggregate area concept that recently has been adopted for past-practices operable units, certain activities have been implemented to cover the entire region north of Gable Mountain, in lieu of conducting the activities individually at each operable unit. The combined region containing the various operable units is referred to as the 100 Aggregate Area. The activities involved include data compilation and review tasks associated with hydrologic and geologic information.

The aggregate area approach offers several benefits. First, it provides an earlier characterization of existing geohydrologic conditions for all the 100 Areas groundwater operable units, earlier than if the traditional remedial investigation/feasibility study (RI/FS) process were followed. Secondly, the comprehensive summaries of existing information will be highly useful in planning near future RI activities and in performing the baseline risk assessments for each operable unit. Finally, it is an efficient approach for assembling an information baseline from which regional interpretations of groundwater flow and contaminant transport can be made.

1.1 PURPOSE AND INTENDED USE

This data compilation report contains an inventory of readily available information on existing groundwater wells, hydrology, and geology that can be used by RI/FS investigators. It is intended as a reference document that describes the available data, when data were collected, and how the data can be accessed. It has been designed as a supplement to other reports that evaluate existing information relative to past-practices objectives. The document will be updated periodically to reflect the installation of new monitoring wells; rehabilitation and remediation of existing wells; and new geologic, hydrologic, and groundwater chemistry information.

1.2 SCOPE OF THE DATA COMPILATION

The geographic area covered by this data compilation includes that portion of the Hanford Site north of Hanford gridline N56,000 (Figure 1-1). An attempt has been made to document all known wells that have been drilled in this area and all readily available groundwater chemistry and water-level data. The information search has focused on existing electronic databases and data compilations such as Hanford Wells (McGhan 1989).

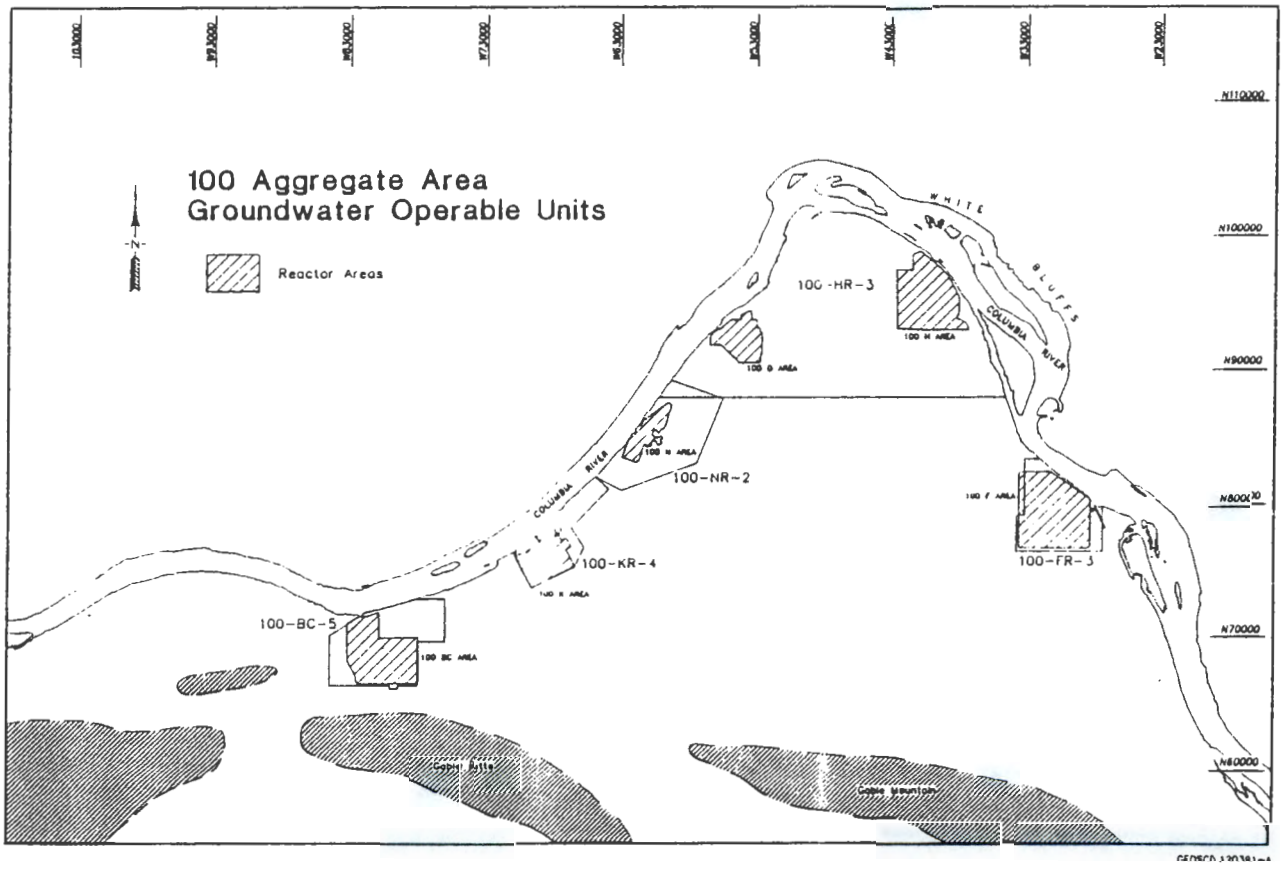

Figure 1-1. Location Map for 100 Aggregate Area Investigations.

Older, less accessible data that might be contained in early contractor reports or non-Hanford related investigations are not included in this compilation. Those reports will be reviewed in subsequent information summary documents when appropriate. The emphasis in preparing this data compilation has been on readily accessible data and information.

1.3 RELATIONSHIP TO WORK PLAN TASKS

Data compilation tasks are included in the initial characterization activities for all the 100 Areas groundwater operable units. The specific work plan tasks addressed are:

- Task 3a: Geologic Data Compilation
- Task 5a: Vadose Zone Data Compilation
- Task 6a: Groundwater Data Compilation.

These tasks are common to the five currently designated groundwater work plans: 100-HR-3, 100-BC-5, 100-KR-4, 100-NR-2, and 100-FR-3 (see Figure 1-1). A groundwater operable unit has not been defined for the 600 Area between the various reactor areas, although the data for that region are included in this compilation. The work plan task descriptions emphasize compiling data that are 'pertinent' to meeting data quality objectives; the descriptions also note that data compilation is a continuing effort.

Task 4--Surface Water/Sediment Investigation of each work plan has been incorporated into a single investigation for the 100 Aggregate Area. It is described in the recently rescoped 100 Areas work plans (Appendix D of each work plan). The data compilation effort included in that investigation will be documented separately from this report, although a table showing the location and sampling history of riverbank seepage is included as Appendix B of this report.

1.4 PRIMARY DATABASES

The principal source used for groundwater and monitoring well information is the Hanford Groundwater Database (HGWDB), an electronic database developed by Pacific Northwest Laboratory (PNL) (PNL 1990). This database has been loaded into the newly developed Hanford Environmental Information System (HEIS). However, access to the HEIS is currently limited. As a result, the most accessible database for groundwater data at the time of this report is the HGWDB. During the transition period from HGWDB to HEIS, the Westinghouse Hanford Company (Westinghouse Hanford) Geosciences Group is maintaining a duplicate of the HGWDB. New water-level and water-chemistry data are being added as they become available. Requests for information from this database can be made directly to the Geosciences Group or to the PNL Sitewide Characterization and Assessment Section (pre-1991 data only).

The Geosciences Group gains access to the HGWDB via the Hanford Local Area Network (HLAN) using Paradox (a tradename of Borland International) database management software. Numerous subsets of the main database have been constructed for internal use. A listing of those subsets is provided in Table 1-1 with a brief description of the contents. In addition, various software routines have been developed to produce standardized reports and graphics. These capabilities will be replaced by the HEIS when the latter becomes fully operational.

Currently, no comprehensive electronic database exists to cover geologic data, soils chemistry data, and well characteristics data. Several individual databases that address geologic and well characteristics data will be incorporated into the HEIS. These sources are described in the following sections. At the time of this report, the best compendiums for existing wells in the 100 Aggregate Area are a recently completed report by Ledgerwood (1991) and Hanford Wells (McGhan 1989). A soon-to-be released report that summarizes hydrologic information for the 100 Aggregate Area will contain a section on existing wells that are candidates for future use.

1.5 ORGANIZATION OF THE REPORT

The following sections describe the sources for information presented and how the data tables were constructed. An attempt has been made to provide enough detail on how information was extracted from a database to allow the user to duplicate the result.

The topical sections are followed by data compilations for the 100 Areas and for the 600 Area in between those areas. Included for each reactor area are a well location map and tables listing: (1) all known wells, including status and current use, (2) an inventory of water quality and water-level data, and (3) an inventory of geologic data. Location maps and data tables have been designed to provide overlap with adjoining areas and to be inclusive of operable unit boundaries.

1.6 RELATIONSHIP TO OTHER INFORMATION SUMMARIES

Other documents are currently being prepared that will further summarize, review, and evaluate available information related to existing wells, hydrology, geology, and surface waters. These documents will be products associated with work plan Task 10--Data Evaluation. The purpose of Task 10 is to interpret new and existing information. These interpretations will help guide potential rescoping of remedial investigations as they progress. They will also provide input to the activities being conducted under Task 11--Risk Assessment.

In addition to this data compilation report, the following summary and evaluation reports are available or planned:

- Summaries of Well Construction Data and Field Observations for Existing 100 Aggregate Area Operable Unit Resource Protection Wells. Includes: Well construction and completion, current condition, rehabilitation status, current use, and status of fitness-for-use analysis (Ledgerwood 1991).

Table 1-1. Subsets of the Hanford Groundwater Database (HGWDB) and Associated Files Used by the Westinghouse Geosciences Group.

Database Subset/File	Date Created	Description
BACKGRD	05/24/89	Maximum background concentrations for selected constituents in groundwater on the Hanford Site (from various data sources).
CODE	08/22/88	U.S. Testing Corporation constituent codes, including detection limits and standards (from HGWDB file "CONCOD").
DBDEFINE	11/16/88	Brief descriptions of HGWDB subsets that are accessible using Paradox (tm Borland International) software.
DBUPDATE	11/16/88	Update status of groundwater-related HGWDB subsets.
GW	11/08/88	Groundwater data for all Hanford Site monitoring wells (from HGWDB file "ANADAT"). Organized by well number.
GWCODE	01/15/90	Subset of GW that includes data collected since 01/01/88. Organized by constituent code.
NETWORK	10/11/88	Waste disposal facilities and associated monitoring wells (from various information sources).
SITE	09/07/88	Groundwater monitoring sites and associated wells (from various information sources).
STANDARD	01/01/89	Drinking water and Westinghouse Hanford Company internal control standards for groundwater.
WELL	09/07/88	Hanford well numbers, Hanford Plant coordinates, and construction data for all Hanford Site wells (from HGWDB file "WELL").
WELLCODE	02/13/89	Correlates well codes ("EMA" numbers) to Hanford well numbers and user organization (from HGWDB file "WELCOD").
WELLTEMP	09/22/89	Purgewater temperature prior to collecting sample (from HGWDB file "TMPDAT").
WL	10/19/89	Water level elevations in wells (from HGWDB file "HYDDAT").

- Hydrologic Information Summary for the Northern Portion of the Hanford Site, Washington. To include: Regional characteristics, water table maps, water table variability discussions, and contaminant plume maps.

- Geologic Information Summary for the Northern Portion of the Hanford Site, Washington. To include: Regional characteristics, stratigraphy, and geohydrologic units in each reactor area.

- Columbia River Monitoring Data Compilation. Summarizes chemical and radiological contaminants in river water; shoreline and bottom sediments; and riverbank seepage (Dirkes 1992).

1.7 OVERVIEW OF HYDROGEOLOGY

A brief description of geologic and hydrologic units is presented to orient the users of this report to field conditions. A more complete description will be presented in the information summary documents noted in Section 1.6, and in references contained therein. The descriptions presented in the following paragraphs come from two principal sources: Lindsey (1991), which describes a revised stratigraphy for the Ringold Formation, and Delaney et al. (1991), which summarizes the geology and hydrology of the Hanford Site.

A generalized stratigraphic and hydrologic column for the 100 Areas is shown in Figure 1-2. This representation was developed for the 100-N Area, but includes the basic units found in other reactor areas. The stratigraphy can be subdivided into six general categories for the purpose of describing hydrogeologic units: Unsaturated (vadose) zone, Ringold/Hanford producing layer, Ringold confining layer, Ringold semi-confined aquifer, another Ringold confining layer, and a Ringold semi-confined aquifer. Beneath this sequence, which in total is usually referred to as the unconfined aquifer, lay Columbia River basalt flows; they contain their own series of confined aquifers. The uppermost confined aquifer in the basalt sequence is found in the Rattlesnake Ridge interbed and underlying Pomona flowtop zone.

The unsaturated (vadose) zone is contained within Hanford formation sediments throughout the 100 Areas. The zone ranges in thickness between 30 and 80 ft in the reactor areas, and approaches 130 ft in the central area north of Gable Mountain. These sediments typically are open-framework pebble to boulder-sized gravels. Interstitial sand content is generally low and mud-sized sediment is limited to coatings on individual grains and rip-up clasts. Interstratified lenses of sand and mud may be encountered, but they are very localized. Perched water was reported during well drilling at 100-N in 1984, but that is the only known occurrence.

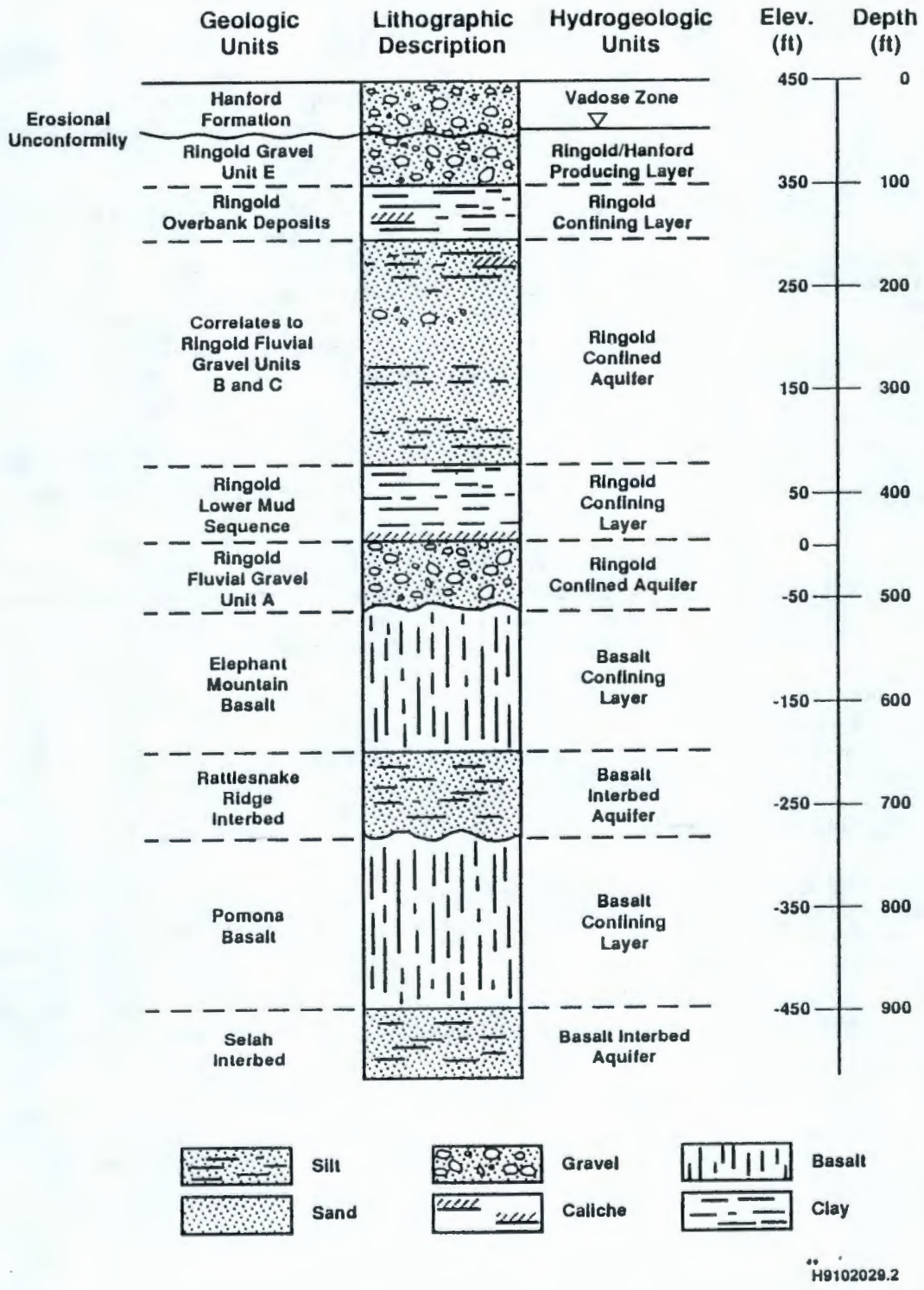

Figure 1-2. Generalized Hydrostratigraphy for the 100 Areas.

The water table and uppermost saturated unit typically occur in the fluvial sediments of Ringold gravel unit E. At some locations, this may include the bottom few feet of the Hanford sediments. Channels and other erosional features are present at the unconformity between the Ringold Formation and overlying Hanford sediments. The higher permeability Hanford deposits that fill these channels may act as preferred pathways for groundwater movement. In the region around 100-H and 100-F areas, Ringold gravel unit E is absent and the uppermost saturated unit consists entirely of Hanford gravels.

Underlying the uppermost saturated unit is a confining interval that consists of interbedded clays, silts, and occasional thin sand layers. These strata represent river overbank deposits. This interval ranges in thickness from 10 to 50 ft and is continuous across the 100 Areas.

Layers of silty sand to sandy silt that are equivalent to Ringold gravel units B and C form the fourth hydrogeologic unit, a semi-confined aquifer. This unit is 175 to 200 ft thick. Alternating lithologies in the unit suggest the possibility of alternating producing and confining layers. This hydrostratigraphic unit becomes coarser toward the southwest near 100-K and 100-BC areas, and finer toward the southeast in the vicinity of 100-H and 100-F areas.

A confining layer underlies the sand and silt aquifer. It consists of 100 to 150 ft of interbedded clay and silt assigned to the lower mud sequence of the Ringold Formation. These fine-grained sediments, which are predominantly lacustrine, are continuous across the 100 Areas.

The lowest unit of the unconfined aquifer system consists of fluvial sediments of Ringold gravel unit A. This unit lies unconformably over the Elephant Mountain Basalt. Unit A consists of interbedded sands and pebble to cobble-sized gravels, with occasional caliche layers, and ranges in thickness from 18 to 65 ft. Unit A is not found at 100-F and 100-H areas, and is assumed to be absent at 100-D Area.

Within the Columbia River basalt sequence, the Rattlesnake Ridge interbed and underlying Pomona Flow flowtop zone is the uppermost confined aquifer. It consists of 45 to 60 ft of tuffaceous siltstone and sandstone. The Elephant Mountain Basalt Member, which is found throughout the 100 Areas, forms the confining layer above the Rattlesnake Ridge interbed. The Elephant Mountain Basalt Member contains vesicular zones, but because the Member is more than 100 ft thick, vertical flow is assumed to be unlikely.

2.0 GROUNDWATER MONITORING WELLS

Groundwater monitoring wells are key elements in the contaminant characterization process. The geologic sampling and geophysical logging conducted during installation provide lithologic information that is pertinent to the fate and transport of contaminants. Completion of the well in the saturated zone provides sampling access to groundwater chemistry. Repetitive measurement of water levels provides an indication of the direction and rate of groundwater flow.

2.1 MASTER WELL LIST

A list of all wells located north of Hanford Plant grid 56,000 North was created using the HGWDB and Hanford Wells (McGhan 1989). This list is subdivided for each reactor area. The locations of these wells are shown in Figure 2-1 and in well location maps for the region around each reactor area. Wells drilled at 100-D and 100-N areas during late 1991 have been included.

Many of the wells no longer exist, having been covered by subsequent construction, abandoned, or decommissioned. Numerous groups of wells are located at a single site, either being multiple completions at a single borehole or a cluster of wells completed at several depths.

Since many wells listed in the electronic database do not include Hanford Plant coordinates, either dummy or approximate coordinates were added to the table. For wells located within reactor areas, i.e., those with well numbers such as 199-K-14, a dummy coordinate was listed that placed the well in a special corner of the location map for the reactor area. Approximate coordinates were determined for 600 Area wells from the well number. The second number group in the well number represents Hanford Plant grid north/south and the third group Hanford Plant grid east/west, in thousands of feet. Coordinates for a few wells were improved by field surveys using new topographic maps for the Hanford Site.

The use of dummy or approximate Hanford Plant coordinates for each well allows queries of the HGWDB database by geographic area as an alternative to queries by well number. If a search is done by coordinate alone, those wells that have a blank coordinate field will not be included in the subsequent data subset.

The accuracy of the listed coordinates and casing elevations is unevenly distributed and generally uncertain. Ongoing fitness-for-use investigations (refer to Section 2.3 for a description) continue to provide upgraded coordinates for many wells. A major resurvey of the entire Hanford Site, which is currently being planned and will take several years to complete, will improve the accuracy of locations and elevations.

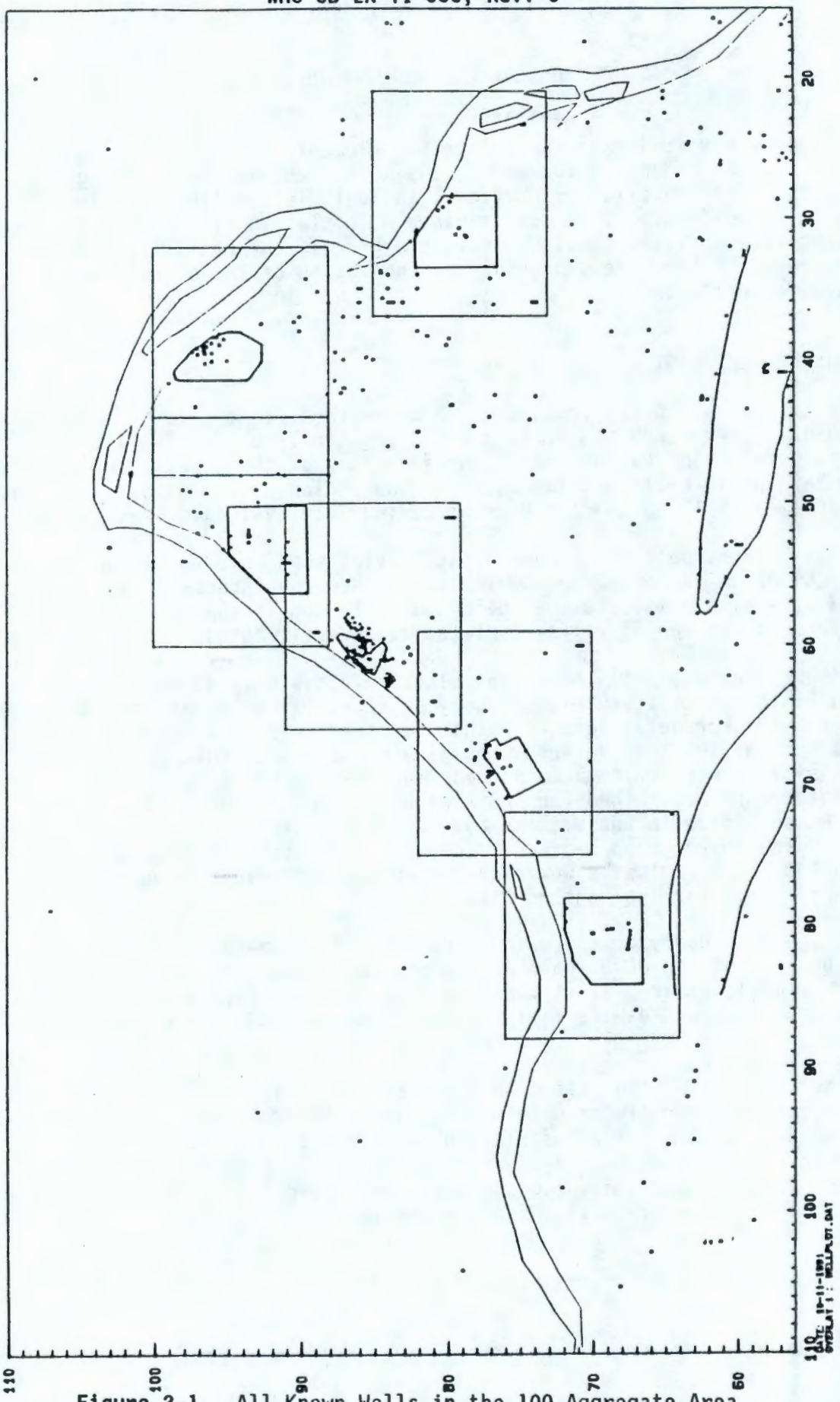

Figure 2-1. All Known Wells in the 100 Aggregate Area.

Information from several sources was added to the master well list to provide a description of current well status and use. Information on sampling pumps and general comments were obtained from Hanford Wells (McGhan 1989). The dates listed under the column heading 'Rehabilitated' were obtained from progress reports on fitness-for-use evaluations and are current through October 15, 1991. 'User Program' information was derived from the FY 1992 Statement of Work from Westinghouse to PNL for sampling and analysis activities associated with the RCRA and Operational Monitoring programs. Wells sampled as part of the Sitewide Environmental Surveillance Program were identified from PNL's sampling schedule for the last quarter of CY 1991.

2.2 FITNESS-FOR-USE INVESTIGATIONS

Existing groundwater wells on the Hanford Site are being evaluated for potential use in scoping studies, characterization activities, and monitoring programs associated with past-practices investigations. These fitness-for-use evaluations are being conducted in accordance with a Westinghouse Hanford procedure entitled "Resource Protection Well Characterization and Evaluation" (WHC 1991). A flow chart showing the various elements of this evaluation is shown in Figure 2-2.

This process searches for any documentation that describes the construction of a well. If found, a field inspection of the well, if it can be located, is conducted. (If there is no documentation and/or the well cannot be located, the process stops). The next step involves certain inspection and maintenance activities, such as borehole TV scan, cleaning, pump repair, redevelopment, and upgrades to the well head. This step is referred to as 'rehabilitation' of the well. A decision is then made on the potential usefulness of the well for specific purposes, and on potential remediation and reconstruction of the well.

The status of fitness-for-use evaluations of existing wells contained in the 100 Aggregate Area is presented in Ledgerwood (1991). The process is continuing and that report will be updated periodically as new information is obtained.

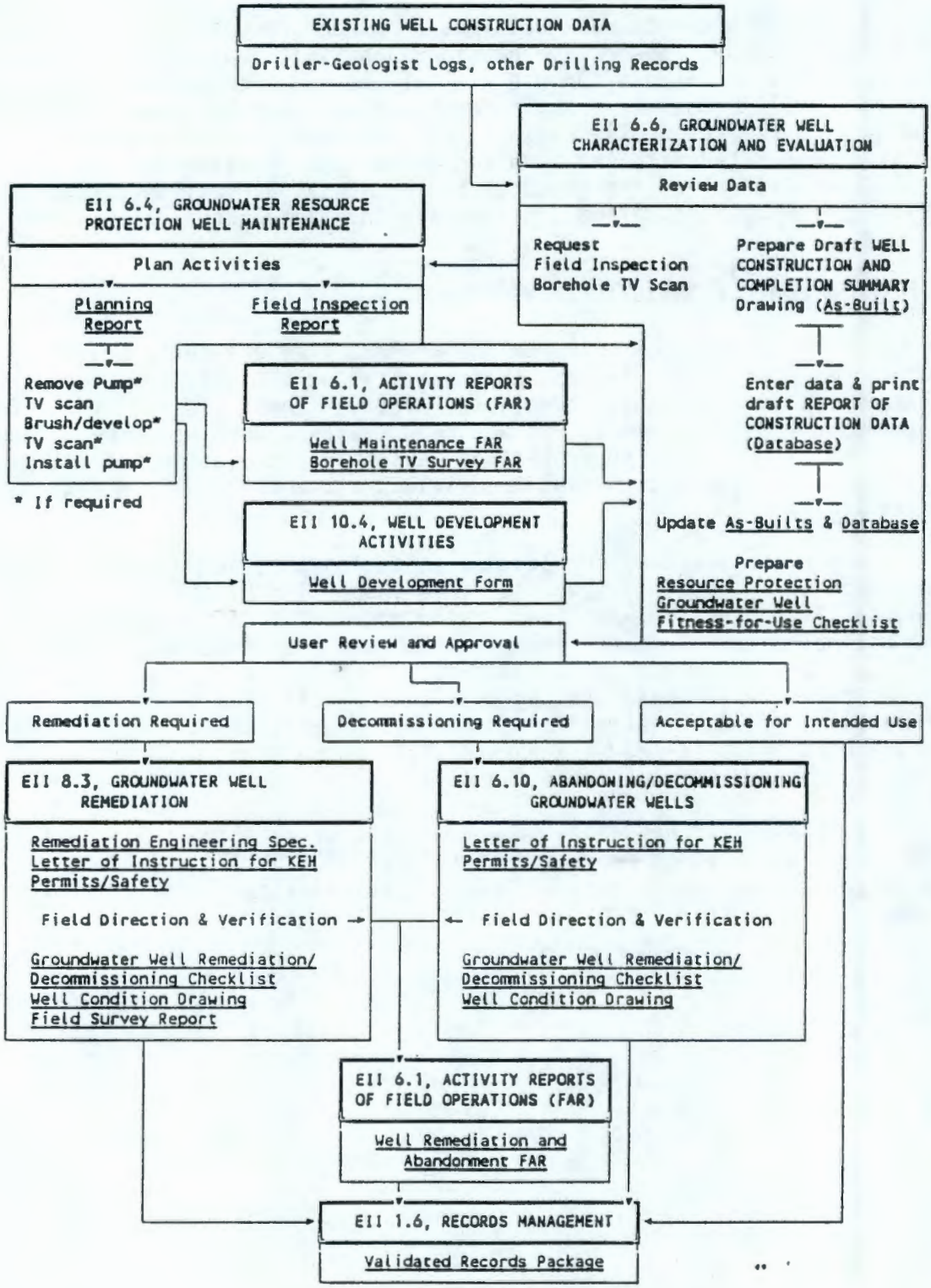

Figure 2-2. Well Fitness-For-Use Evaluation Process. (Ledgerwood 1991)

3.0 GROUNDWATER DATA INVENTORY

3.1 SOURCE OF WATER-LEVEL, CHEMISTRY, AND RADIOLOGICAL DATA

The source used to inventory existing groundwater data is the HGWDB. This electronic database contains chemical and radiological results for several programs, including RCRA, CERCLA, sitewide surveillance, and operational monitoring. The database is complete for data from these programs up to early 1990. At that time, data entry stopped as a result of the termination of U.S. Testing Corporation's analytical services contract.

While some new data have been collected since that time, the summary tables presented in this report are representative of the period prior to about March 1990. Since restart of the RCRA sampling program in June 1991, new analytical results for RCRA data only are being incorporated in the copy of the HGWDB that is maintained by the Geosciences Group. Water-level data continued to be entered into the HGWDB until early October 1991 when PNL began entering that data into the HEIS exclusively.

Using the 100 Aggregate Area master well list, a query of the HGWDB was made for all chemical, radiological, and water-level data. This was done by first subdividing the master well list into well lists for each reactor area location map. The reactor area well lists were then linked to the GW or WL database subsection (refer to Table 1-1 for list of HGWDB subsections).

The chemistry and water-level summary tables for each reactor area should be used as indicators of (1) the time intervals for which data are available, and (2) the quantity of data available. By looking at the recent sampling or measurement dates, an indication of the potential future use of the well can also be derived.

Another source of groundwater data is available in the field data sheets that are prepared each time a well is sampled. As part of the purging process, temperature, pH, and specific conductivity are measured and recorded. These data were entered into the HGWDB prior to approximately early 1990. For sampling since that time, the data can be accessed through PNL and, for some wells, through the Geosciences Group.

3.2 CHEMICAL DATA SUMMARIES

Chemical data summaries were generated by linking the well list for each reactor area location map to subsection GW of the HGWDB. For each well, the minimum and maximum were calculated for the date field. The total number of different codes were counted for the constituent code field. Finally, the total number of analytical results were counted. The summary tables were prepared on October 1, 1991, and generally represent data entered up to approximately mid-1990; a small amount of more recent data for some reactor areas is represented also.

3.3 WATER LEVEL MEASUREMENTS

Water-level data summary tables were prepared by linking the 100 Aggregate Area well list to the WL subsection of the HGWDB. This created a table of all water-level data for the 100 Aggregate Area. The well list for each reactor area location map was then linked to that table by well number. The date field was then queried for the minimum, maximum, and total count of all measurement dates. The summary tables were prepared October 1, 1991, and contain data to early August 1991.

Various types of water-level recorders have been installed in the Columbia River and groundwater monitoring wells for special projects in the past. A river recorder has operated at the Washington Public Power Supply System (WPPSS) Generating Plant that is associated with the 100-N Reactor. A river stage recorder has also operated at the 100-H Area during various time intervals since early 1985. Tranducers and data loggers, or other water-level recording equipment, have operated in monitoring wells at 100-N and 100-H areas in recent years. New transducer and data logger installations were completed at 100-BC, 100-H, and 100-F areas in late September 1991. Summaries of available river and groundwater well data logger records are presented in Appendix A.

3.4 RIVERBANK SEEPAGE DATA

The results of several surveys of the chemistry and radiological characteristics of riverbank seepage have been published (McCormack and Carlile, 1984; Buske and Josephson, 1988; Dirkes 1990). The data these surveys have obtained have not, as yet, been incorporated into a common electronic database. Hence, they are available to investigators via hard copies of the documents and the summary table presented in this report (Appendix B).

The most recent sampling of riverbank seepage along the 100 Aggregate Area shoreline was conducted during September and October 1991 by IT Corporation for Westinghouse Hanford, as part of the past-practices characterization activities. The analytical results of this survey will be available by March 1992. Continuous monitoring for radionuclides at the 100-N Area is conducted in several wells located near the river and of riverbank seepage adjacent to the reactor area (Perkins 1989). Results of that monitoring program are not included in Appendix B, although selected data for these seeps from other surveys are included.

Appendix B was constructed by listing all previously identified seepage locations by Hanford River Mile (HRM). This reference system uses the Vernita Bridge, which is several miles upstream of the 100-BC Area, as a starting point (Figure 3-1). White HRM markers are posted along the south shoreline of the Columbia River at irregular intervals. In many instances, the seepage locations are rough estimates made in the field; they have not been accurately surveyed. The results listed in this table are raw data as presented in the various reports. They have not been verified or validated by a formal process. In some cases, values listed are either below generally accepted detection limits or the error associated with the value is greater than the value.

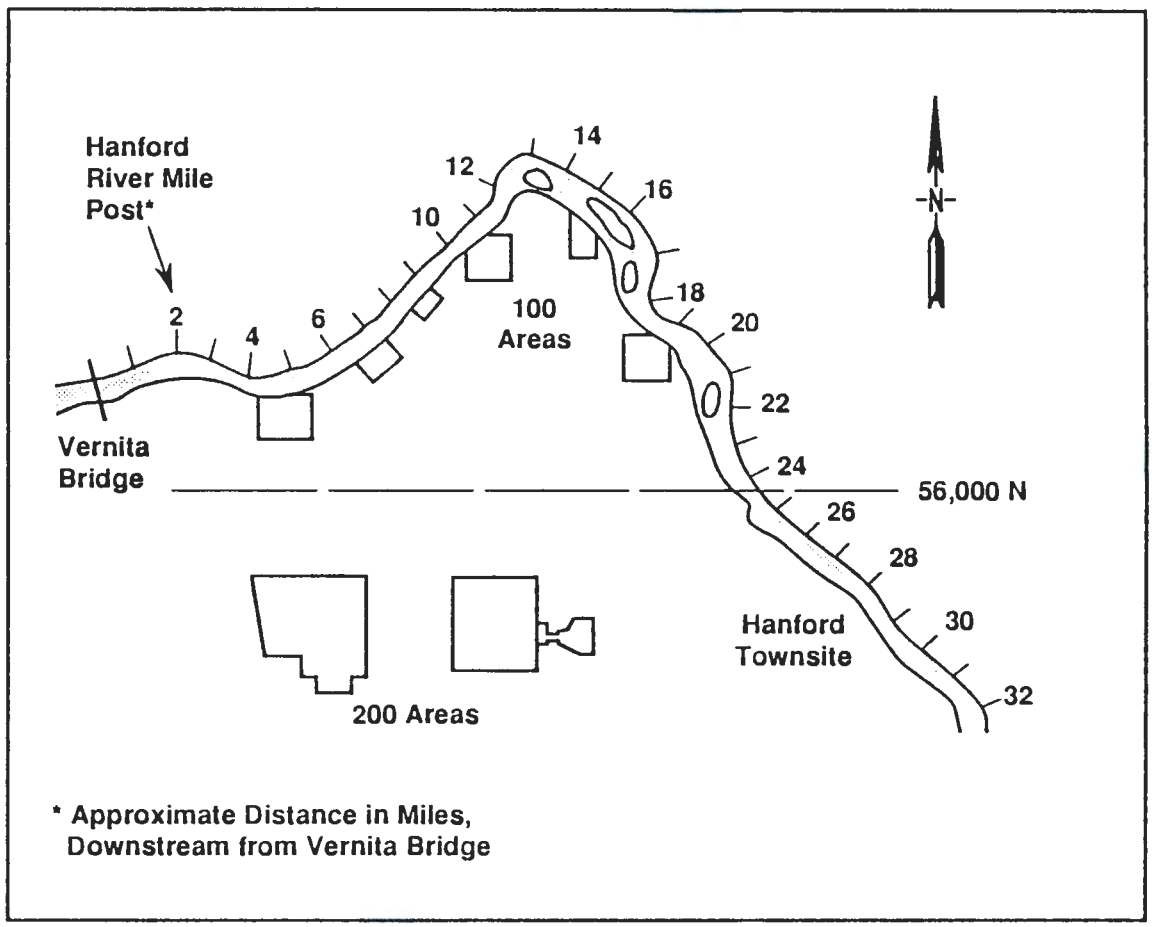

Figure 3-1. Hanford River Mile Index Map for Seep Locations. (modified from Dirkes, 1990)

Many seepage areas are intermittent, although several appear to be reasonably permanent. Whether or not seepage is visible at any particular time depends on the stage of the river. When the river is flowing at approximately 60,000 ft^3/s or less, the majority of the permanent seeps are visible. The chemistry and radiological character of seepage is highly dependent on the recent discharge characteristics of the river, due to the influx of river water into the bank and resulting dilution of groundwater.

4.0 GEOLOGIC DATA INVENTORY

4.1 HANFORD GEOTECHNICAL SAMPLE LIBRARY

Drill cuttings from boreholes drilled on the Hanford Site are kept in the Geotechnical Sample Library, which is located in the 2101-M Building in the 200 East Area. Most of these samples are kept in pint-sized glass jars. Some split tube samples also are kept in the sample library. All of these samples are available for examination and analysis with permission of the Geosciences Group.

Intact drill core is kept in a warehouse at Big Pasco Industrial Park in east Pasco, Washington. Most of this is from the Columbia River Basalt Group. Core samples of suprabasalt sediments from approximately 24 boreholes also are available in this collection, although none of this core comes from the suprabasalt sediments underlying the 100 Areas. The cores stored at this facility were obtained during investigations associated with (1) the Basalt Waste Isolation Project (BWIP), (2) Puget Sound Power and Light reactor siting, and (3) several dam construction projects for the Columbia River. These cores are available for examination and analysis with permission of Geoscience Group.

4.2 ROCSAN DATABASE

ROCSAN is an electronic database that is accessible on the HLAN network. ROCSAN contains grain-size distribution data acquired through sieve analysis of drill cuttings, samples from intact core, and split tube samples. These data should be used with caution since the samples submitted for sieving may not have been representative of actual geologic conditions.

4.3 BOREHOLE LOGS

Geologic and drillers borehole logs can be obtained from several sources. Published sources include Fecht and Lillie (1982). They provide a nearly verbatim reproduction of borehole logs drilled in the 600 Area prior to 1982. Ledgerwood (1991) provides information not only on borehole geology, but on well construction details.

A nearly complete set of existing borehole logs is maintained by the file custodian for the Westinghouse Hanford Environmental Field Services Group. This file contains geologic summaries as well as copies of original borehole geologic logs. Copies of some of the original borehole logs can be found in various RCRA quarterly reports, groundwater monitoring plans, and characterization reports for the 100-N and 100-H areas (e.g., Hartman 1991; Liikala 1988).

4.4 OTHER DATA SOURCES

Several other miscellaneous information sources are available for characterizing Hanford Site geology. The HEIS is a newly created electronic database that will contain summaries of geologic logs and other borehole information for the entire Hanford Site. This database is not yet fully operational.

WPPSS drilled numerous boreholes, including several cored holes, on and near the Hanford Site as part of their reactor siting studies. Three of the cored holes are located in the vicinity of the 100-N Area. Information on WPPSS boreholes are available in the Preliminary Safety Analysis Report for WPPSS Nuclear Project Number 1 (WPPSS 1974) and Final Safety Analysis Report for WPPSS Nuclear Project Number 2 (WPPSS 1981). Copies of these reports are available at the WPPSS Administration Building library in Richland, Washington.

Copies of borehole logs are kept by the Washington State Department of Ecology (Ecology). Most of these logs are driller's logs for water wells and contain limited geologic information. Ecology's borehole log files are maintained at offices in Spokane, Washington; Yakima, Washington; and Olympia, Washington.

Finally, a limited number of borehole geologic logs from the Hanford Site and surrounding area are contained in a report by Newcomb et al. (1972).

5.0 100-BC REACTOR AREA

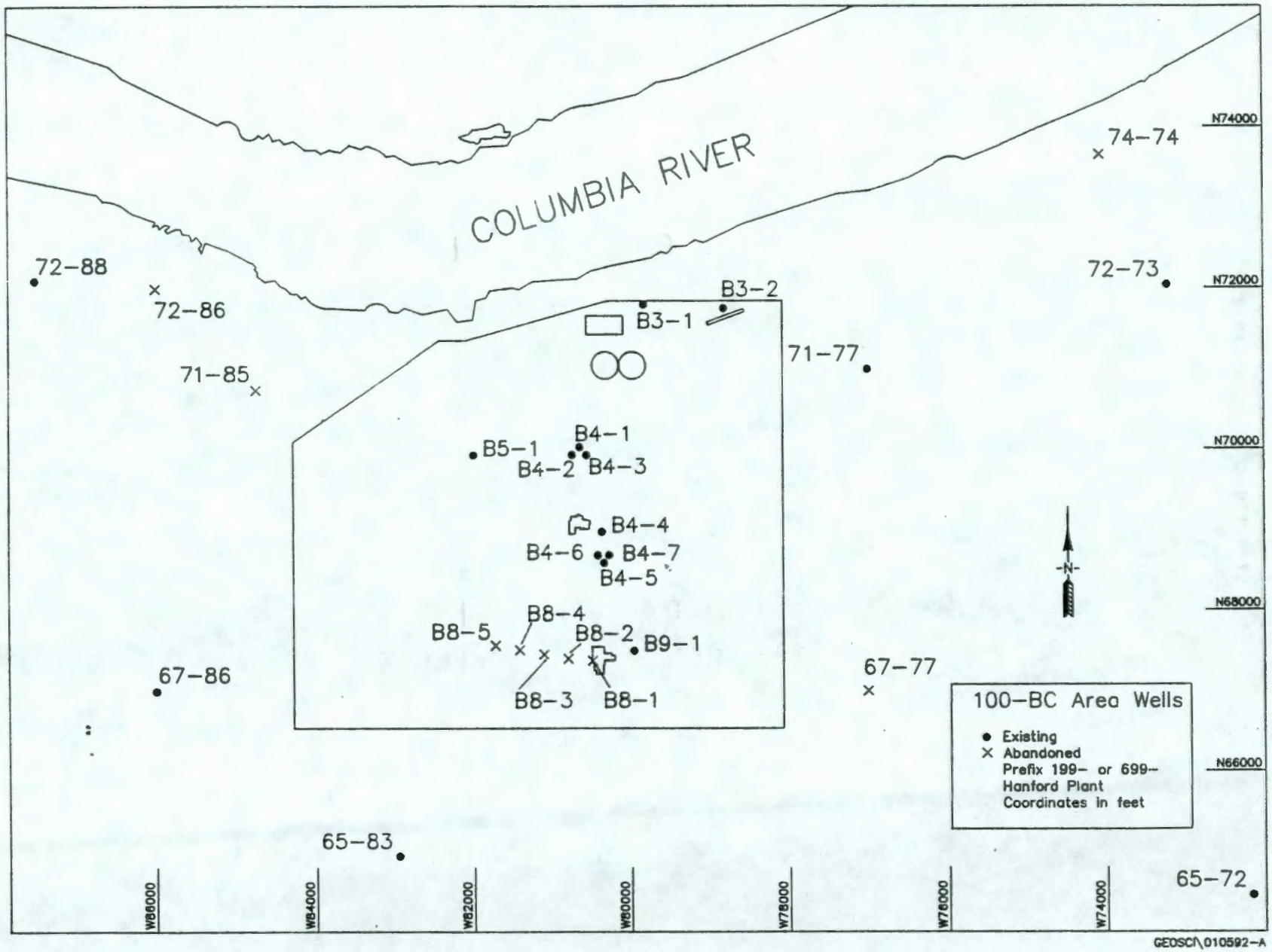

Figure 5-1. Well Location Map for 100-BC Reactor Area.

TABLE 5-1: WELLS NEAR THE 100-BC REACTOR AREA

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-B3-1	79830	71800		3/31/53	439.79	8	63	20	60	P	P-Submrsbl		7/30/91	
1-B3-2	78818	71752		8/31/53	442.59	8	768	635	645	P				
1-B3-2P	78818	71752		3/31/70	443.38	2	506				Bailer	Perf > T.D.		
1-B3-2Q	78818	71752		3/31/70	442.81	2	429				Bailer	Perf > T.D.		
1-B4-1	80650	70000		2/28/49	461.80	8	83	50	83	P	P-Submrsbl		7/30/91	
1-B4-2	80672	69933		2/28/49	461.99	6	86	62	86	P	Bailer	Plug at 86 ft	9/27/91	
1-B4-3	80636	69933		2/28/49	461.75	8	86	60	86	P	Bailer	Plug at 86 ft	9/26/91	
1-B4-4	80367	68978		9/30/60	472.14	8	96	49	96	P	P-Submrsbl		7/30/91	
1-B4-5	80340	68592	F	2/20/90		4	97	76	97	P	Hydrostar	ISV Project		SURV
1-B4-6	80340	68687	F	2/20/90		4	97	76	97	P	Hydrostar	ISV Project		SURV
1-B4-7	80315	68687	F	2/20/90		4	97	76	97	P	Hydrostar	ISV Project		SURV
1-B5-1	82000	69930		8/31/62	455.56	8	100	40	100	P	P-Submrsbl	Plug at 100 ft	7/30/91	
1-B8-1	80490	67375		3/31/51	494.59	8	76					Not accessible		
1-B8-2	80800	67400		4/30/51	495.59	8	26					Casing removed		
1-B8-3	81110	67455		4/30/51	488.59	8	26					Casing removed		
1-B8-4	81420	67510		4/30/51	488.59	8	26					Casing removed		
1-B8-5	81730	67565		4/30/51	486.59	8	26					Casing removed		
1-B9-1	79961	67500		7/31/52	478.87	8	117	80	110	P	P-Submrsbl		7/30/91	
6-65-72	72156	64452			540.28	12	172	137	157	P	P-Submrsbl	Plug at 175 ft	9/16/91	
6-65-83	82961	64944		4/30/67	485.63	6	117	60	117	P	P-Submrsbl	Plug at 117 ft	8/21/91	
6-67-77	77000	67000	D		490.80	72	100					Filled in		
6-67-86	85997	66996		10/31/62	472.39	8	80	60	80	P	P-Submrsbl	Plug at 100 ft	8/02/91	
6-67-86P	85997	66996		9/30/63	472.68	2						Casing removed		
6-67-86Q	85997	66996		9/30/63	472.68	2						Casing removed		
6-67-86R	85997	66996		9/30/63	472.68	2						Casing removed		
6-67-86S	85997	66996		9/30/63	472.68	2						Casing removed		
6-71-77	76997	70996		9/30/62	472.28	8	125	60	125	P	P-Submrsbl	Plug at 125 ft	8/02/91	
6-71-85	84753	70736			417.04	60	26					Filled in		
6-72-73	73222	72038		9/30/61	482.57	8	135	60	135	P	P-Submrsbl	Plug at 135 ft	8/02/91	
6-72-86	86000	72000	D	5/01/43			27					Casing removed		

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet); diameter (inches). D = dummy; F = field checked; P = perforated; S = screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-72-88	87500	72100			437.37	8	52	33	48	P	P-Submrsbl	Farm well	8/02/91	SURV
6-74-74	74075	73650			438.00	4	65					Filled in		

Notes: Coordinates are Hanford Plant. "Qual" indicates quality of coordinate: D = dummy, no coordinate available; F = field checked, using new topographic base maps; and a blank means the coordinates are as listed in the Hanford Groundwater Data Base. Elevations are in feet above mean sea level. Casing diameter is in inches. Drilled depth and open intervals are in feet below ground surface. Types of open intervals are: P = perforated and S = screen. "Rehab'd" refers to the fitness-for-use evaluation described in Section 2.2 and shows the date of completion for the evaluation.

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet); diameter (inches). D = dummy; F = field checked; P = perforated; S = screen

12/02/91 TABLE 5-2: 100-BC REACTOR AREA GROUNDWATER DATA

		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
1-B3-1	3/31/53	6/01/55	3/01/90	51	138	574	5/26/59	3/01/90	117
1-B3-2	8/31/53	6/01/55	4/02/76	35	7	46	5/26/59	6/06/91	93
1-B3-2P	3/31/70	4/02/76	1/26/88	16	10	42	5/26/59	3/15/91	80
1-B3-2Q	3/31/70	4/02/76	1/26/88	17	10	41	6/13/84	1/24/90	37
1-B4-1	2/28/49	6/01/55	3/05/90	60	187	533	7/13/65	6/11/91	61
1-B4-2	2/28/49	7/01/55	3/05/90	55	50	174	2/07/89	3/05/90	4
1-B4-3	2/28/49	11/01/55	3/01/90	53	49	177	7/11/57	5/30/91	58
1-B4-4	9/30/60	1/18/62	3/01/90	67	128	409	4/28/61	3/01/90	56
1-B4-5	2/20/90	3/12/90	3/12/90	1	389	389	3/12/90	3/12/90	1
1-B4-6	2/20/90	3/12/90	3/12/90	1	389	389	3/12/90	3/12/90	1
1-B4-7	2/20/90	3/12/90	3/12/90	1	389	389	3/12/90	3/12/90	1
1-B5-1	8/31/62	3/12/69	3/05/90	41	74	210	8/28/62	3/05/90	49
1-B8-1	3/31/51								
1-B8-2	4/30/51								
1-B8-3	4/30/51								
1-B8-4	4/30/51								
1-B8-5	4/30/51								
1-B9-1	7/31/52	7/18/62	3/01/90	53	190	522	12/27/62	3/01/90	51
6-65-72		6/01/55	10/23/89	95	118	534	2/15/49	6/03/91	212
6-65-83	4/30/67	4/22/69	12/08/89	83	127	562	9/25/67	6/03/91	108
6-67-77		6/01/55	2/01/56	3	1	3	3/01/50	12/27/62	77
6-67-86	10/31/62	10/23/62	10/23/89	79	128	557	10/17/62	6/11/91	143
6-67-86P	9/30/63								
6-67-86Q	9/30/63								
6-67-86R	9/30/63	2/23/78	8/14/78	3	2	6			
6-67-86S	9/30/63	2/23/78	8/14/78	3	2	6			
6-71-77	9/30/62	2/12/63	10/23/89	72	129	550	11/05/62	6/11/91	92
6-71-85		11/11/83	11/11/83	1	2	2			
6-72-73	9/30/61	2/15/62	1/18/89	51	117	314	12/04/61	6/11/91	88
6-72-86	5/01/43								

Notes: (See end of table for explanation)

Well Number	Completion Date	CHEMICAL AND RADIOLOGICAL DATA: Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	WATER LEVEL DATA: Earliest Measurement	Most Recent Measurement	Number of Measurements
6-72-88		6/01/55	10/23/89	81	22	214	5/20/53	6/11/91	150
6-74-74									

Notes: Sampling events are a count of the number of sampling dates listed in the Hanford Groundwater Data Base. Number of analytes is a count of the different U.S. Testing Corporation constituent codes listed for the well. Number of results is the total number of analytical results for all dates and constituent codes.

Notes: (See end of table for explanation)

12/02/91 TABLE 5-3: 100-BC GEOLOGIC DATA INVENTORY Page 1

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-B3-1	3/31/53	63	5-63		Driller
1-B3-2	8/31/53	768	5-790	5-790	Driller
1-B3-2P	3/31/70	506			
1-B3-2Q	3/31/70	429			
1-B4-1	2/28/49	83	5-95		Driller
1-B4-2	2/28/49	86	5-90		Driller
1-B4-3	2/28/49	86	5-90		Driller
1-B4-4	9/30/60	96	5-105		Driller
1-B4-5	2/20/90	97			
1-B4-6	2/20/90	97			
1-B4-7	2/20/90	97			
1-B5-1	8/31/62	100	5-85		Driller
1-B8-1	3/31/51	76	5-75		
1-B8-2	4/30/51	26	5-25		
1-B8-3	4/30/51	26	5-25		
1-B8-4	4/30/51	26			
1-B8-5	4/30/51	26	5-25		
1-B9-1	7/31/52	117	5-91		Driller
6-65-72		172			Driller
6-65-83	4/30/67	117		5-120	Driller
6-67-77		100			
6-67-86	10/31/62	80		10-465	Driller
6-67-86P	9/30/63				
6-67-86Q	9/30/63				
6-67-86R	9/30/63				
6-67-86S	9/30/63				
6-71-77	9/30/62	125	5-300	5-300	Driller
6-71-85		26			
6-72-73	9/30/61	135	5-160		Driller
6-72-86	5/01/43	27			

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-72-88		52			None
6-74-74		65			

Notes: Depths and intervals are in feet below the ground surface.

6.0 100-K REACTOR AREA

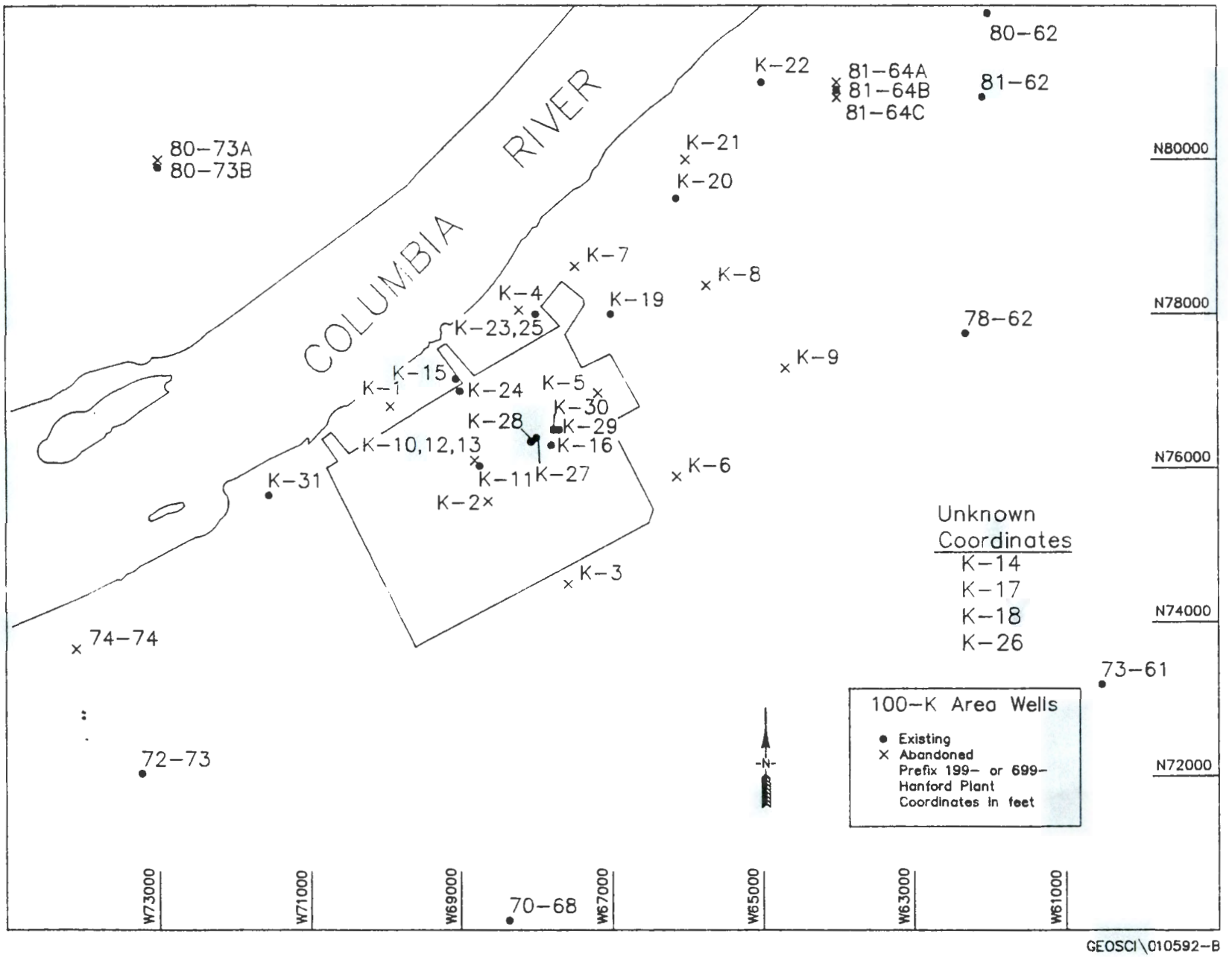

Figure 6-1. Well Location Map for 100-K Reactor Area.

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-K-1	69930	76800		3/31/52	405.00	8	107					Casing removed		
1-K-10	68800	76100		8/31/52	466.66	12	160	155	160	P	P-Submrsbl	Filled w/sand		
1-K-11	68733	76030		8/31/52	467.66	6	138	69	138	P	P-Submrsbl		8/01/91	SURV/OPER
1-K-12	68803	76104		9/30/52	466.55	6	159	118	138	P		Covered over		
1-K-13	68803	76104		3/31/53	464.00	12	138					Oil in well		
1-K-14	60000	71000	D	12/31/52	469.05	8	95							
1-K-15	69050	77160		4/30/43	408.00	6	150							
1-K-16	67800	76300		2/28/53	404.00	8	50							
1-K-17	60000	70900	D	9/30/53	406.00	8	75	50	75	P				
1-K-18	60000	70800	D	10/31/54	409.00	8	40						10/08/91	
1-K-19	67000	78000		4/30/55	422.17	8	51	26	46	S	P-Submrsbl		8/01/91	OPER
1-K-2	68628	75569		2/28/52	469.00	6	40					Casing removed		
1-K-20	66125	79500		5/31/55	422.57	8	48	10	48	P	P-Submrsbl		8/01/91	OPER
1-K-21	66000	80000		5/31/55	421.73	8	16	10	16	P		Filled w/sand		
1-K-22	65000	81000		5/31/55	421.68	8	49	29	49	S	P-Submrsbl		8/01/91	OPER
1-K-23	68000	78000		2/28/56	405.00	8	25					Perf > T.D.		
1-K-24	69000	77000		12/31/52	467.00	8	50							
1-K-25	68000	78000		8/31/53	473.00	8	76	50	75	P				
1-K-26	60000	70700	D	8/31/53	464.00	8	15							
1-K-27	68000	76400		9/30/79		6	90	65	85	P	P-Submrsbl		10/08/91	OPER
1-K-28	68060	76350		9/30/79		6	88	63	88	P	P-Submrsbl		10/08/91	OPER
1-K-29	67775	76500		9/30/79		6	89	65	85	P	P-Submrsbl		10/08/91	OPER
1-K-3	67582	74493		8/31/52	495.00	6	40					Casing removed		
1-K-30	67780	76500		10/31/79		6	89	67	87	S	P-Submrsbl		10/08/91	OPER
1-K-31	71550	75650	F	5/31/86		6	50	30	50	S		No documents		
1-K-4	68220	78052		3/31/52	405.00	8	40					Casing removed		
1-K-5	67175	76975		1/31/52	460.00	6	40					Casing removed		
1-K-6	66131	75889		1/31/52	480.00	6	40					Casing removed		
1-K-7	67480	78620		2/28/52	406.00	8	42					Casing removed		

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-K-8	65733	78371		2/28/52	455.00	6	40					Casing removed		
1-K-9	64688	77295		2/28/52	470.00	8	40					Casing removed		
6-70-68	68357	70123		7/31/54	526.21	8	146	126	146	P	P-Submrsbl	Plug at 146 ft	9/16/91	
6-72-73	73222	72038		9/30/61	482.57	8	135	60	135	P	P-Submrsbl	Plug at 135 ft	8/02/91	
6-73-61	60527	73195		9/30/62	531.53	8	150	95	135	S	P-Submrsbl		8/21/91	SURV
6-74-74	74075	73650			438.00	4	65					Filled in		
6-78-62	62300	77750		5/31/57	469.88	8	109	67	107	S	P-Submrsbl		9/16/91	
6-80-62	62000	81900			440.00									
6-80-73A	73000	80000	D		423.00	48						Filled in		
6-80-73B	73000	79900	D		416.00	48						School well		
6-81-62	62072	80813		3/31/73	441.46	2	1328	1280	1322	P				BH-17
6-81-64A	64000	81000	D	12/31/43								Abandoned		
6-81-64B	64000	80900	D	12/31/43			38							
6-81-64C	64000	80800	D	5/31/43								Casing removed		

Notes: Coordinates are Hanford Plant. "Qual" indicates quality of coordinate: D = dummy, no coordinate available; F = field checked, using new topographic base maps; and a blank means the coordinates are as listed in the Hanford Groundwater Data Base. Elevations are in feet above mean sea level. Casing diameter is in inches. Drilled depth and open intervals are in feet below ground surface. Types of open intervals are: P = perforated and S = screen. "Rehab'd" refers to the fitness-for-use evaluation described in Section 2.2 and shows the date of completion for the evaluation.

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

TABLE 6-2: 100-K REACTOR AREA GROUNDWATER DATA

		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
1-K-1	3/31/52								
1-K-10	8/31/52	6/13/62	1/15/64	6	2	7	5/10/61	5/10/61	1
1-K-11	8/31/52	1/18/62	3/02/90	84	165	504	5/10/61	6/11/91	75
1-K-12	9/30/52								
1-K-13	3/31/53						8/17/65	4/09/90	15
1-K-14	12/31/52								
1-K-15	4/30/43								
1-K-16	2/28/53								
1-K-17	9/30/53								
1-K-18	10/31/54						7/06/73	4/09/90	11
1-K-19	4/30/55	7/01/59	3/02/90	82	166	612	12/30/57	4/09/90	21
1-K-2	2/28/52								
1-K-20	5/31/55	7/01/59	3/01/90	87	151	578	12/30/57	4/09/90	49
1-K-21	5/31/55	7/01/59	2/01/62	2	2	2	12/30/57	10/19/67	7
1-K-22	5/31/55	11/27/74	3/02/90	55	139	511	12/30/57	3/02/90	16
1-K-23	2/28/56								
1-K-24	12/31/52								
1-K-25	8/31/53	4/22/69	11/13/69	8	2	8			
1-K-26	8/31/53								
1-K-27	9/30/79	3/02/81	2/28/90	32	142	471	3/25/87	4/17/91	9
1-K-28	9/30/79	3/02/81	2/28/90	33	124	352	3/25/87	4/17/91	8
1-K-29	9/30/79	3/02/81	3/05/90	34	141	476	3/25/87	4/18/91	10
1-K-3	8/31/52								
1-K-30	10/31/79	3/02/81	3/02/90	35	154	443	3/19/87	4/17/91	9
1-K-31	5/31/86	6/17/86	9/24/86	4	3	7	3/03/87	3/25/87	2
1-K-4	3/31/52								
1-K-5	1/31/52								
1-K-6	1/31/52								
1-K-7	2/28/52	5/24/83	5/24/83	1	2	2			

Notes: (See end of table for explanation)

		<------------ CHEMICAL AND RADIOLOGICAL DATA ------------>					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
1-K-8	2/28/52								
1-K-9	2/28/52								
6-70-68	7/31/54	10/01/54	11/09/89	64	123	508	8/31/55	6/11/91	137
6-72-73	9/30/61	2/15/62	1/18/89	51	117	314	12/04/61	6/11/91	88
6-73-61	9/30/62	8/05/63	4/11/89	55	157	556	10/19/62	6/14/91	60
6-74-74									
6-78-62	5/31/57	1/30/58	4/16/90	51	410	750	6/07/57	6/14/91	98
6-80-62									
6-80-73A									
6-80-73B									
6-81-62	3/31/73						6/20/90	6/20/90	1
6-81-64A	12/31/43								
6-81-64B	12/31/43								
6-81-64C	5/31/43								

Notes: Sampling events are a count of the number of sampling dates listed in the Hanford Groundwater Data Base. Number of analytes is a count of the different U.S. Testing Corporation constituent codes listed for the well. Number of results is the total number of analytical results for all dates and constituent codes.

Notes: (See end of table for explanation)

12/02/91 TABLE 6-3: 100-K GEOLOGIC DATA INVENTORY Page 1

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-K-1	3/31/52	107	5-170		Driller
1-K-10	8/31/52	160			Driller
1-K-11	8/31/52	138	5-40		Driller
1-K-12	9/30/52	159	5-155		Driller
1-K-13	3/31/53	138			Driller
1-K-14	12/31/52	95			Driller
1-K-15	4/30/43	150			
1-K-16	2/28/53	50			Driller
1-K-17	9/30/53	75			Driller
1-K-18	10/31/54	40	5-60		Driller
1-K-19	4/30/55	51	5-45		Driller
1-K-2	2/28/52	40			Driller
1-K-20	5/31/55	48			Driller
1-K-21	5/31/55	16	5-45		Driller
1-K-22	5/31/55	49	5-50		Driller
1-K-23	2/28/56	25	5-80		Driller
1-K-24	12/31/52	50			Driller
1-K-25	8/31/53	76			Driller
1-K-26	8/31/53	15	5-55		Driller
1-K-27	9/30/79	90	5-90		Driller
1-K-28	9/30/79	88	5-90		Driller
1-K-29	9/30/79	89	5-80		Driller
1-K-3	8/31/52	40			Driller
1-K-30	10/31/79	89			Driller
1-K-31	5/31/86	50			Driller
1-K-4	3/31/52	40			Driller
1-K-5	1/31/52	40			Driller
1-K-6	1/31/52	40			Driller
1-K-7	2/28/52	42			Driller

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-K-8	2/28/52	40	5-90		Driller
1-K-9	2/28/52	40			Driller
6-70-68	7/31/54	146		5-145	Driller
6-72-73	9/30/61	135	5-160		Driller
6-73-61	9/30/62	150			Driller
6-74-74		65			
6-78-62	5/31/57	109	5-200	5-150	None
6-80-62					
6-80-73A					
6-80-73B					
6-81-62	3/31/73	1328			Geologist
6-81-64A	12/31/43				
6-81-64B	12/31/43	38			
6-81-64C	5/31/43				

Notes: Depths and intervals are in feet below the ground surface.

7.0 100-N REACTOR AREA

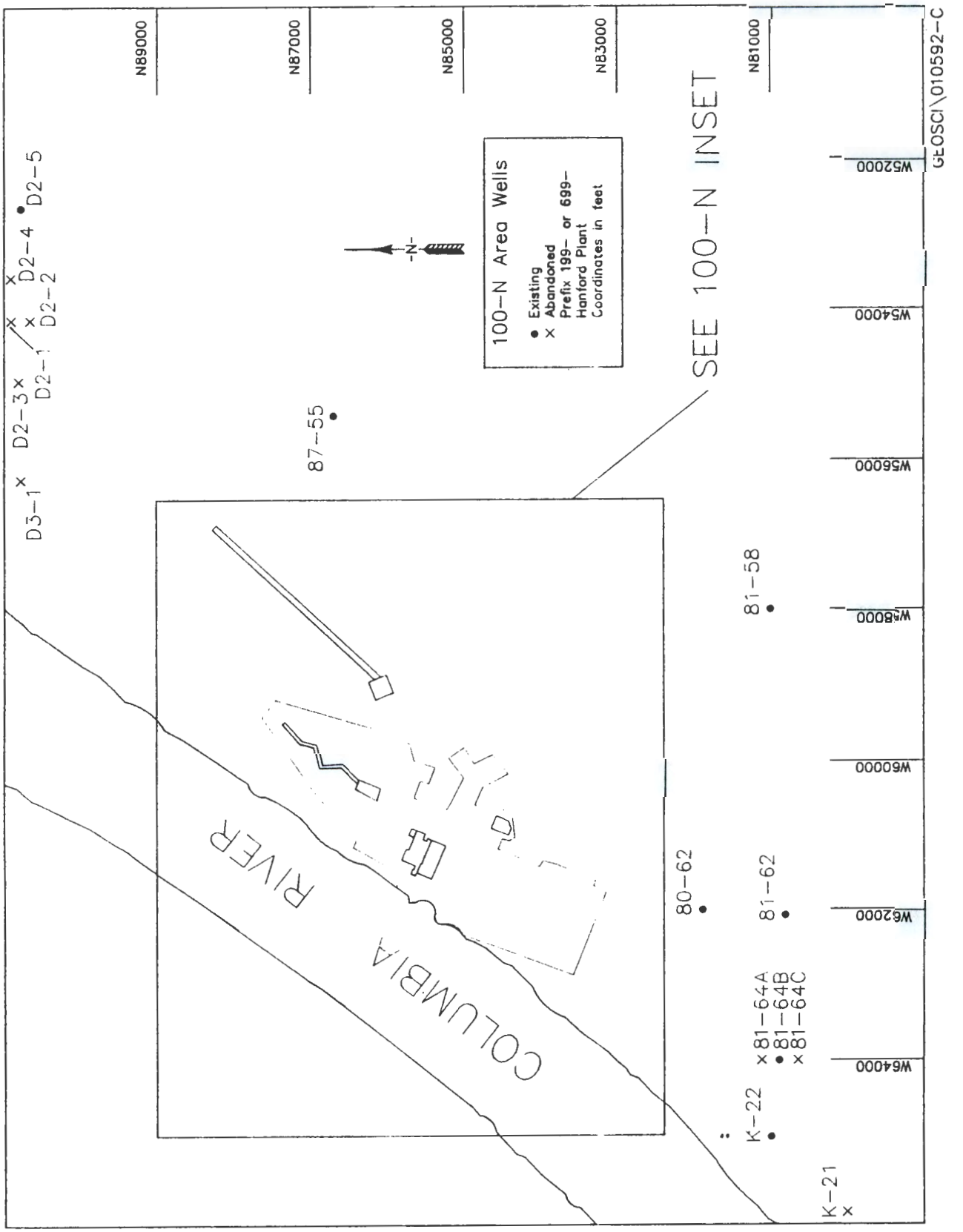

Figure 7-1. Well Location Map for 100-N Reactor Area.

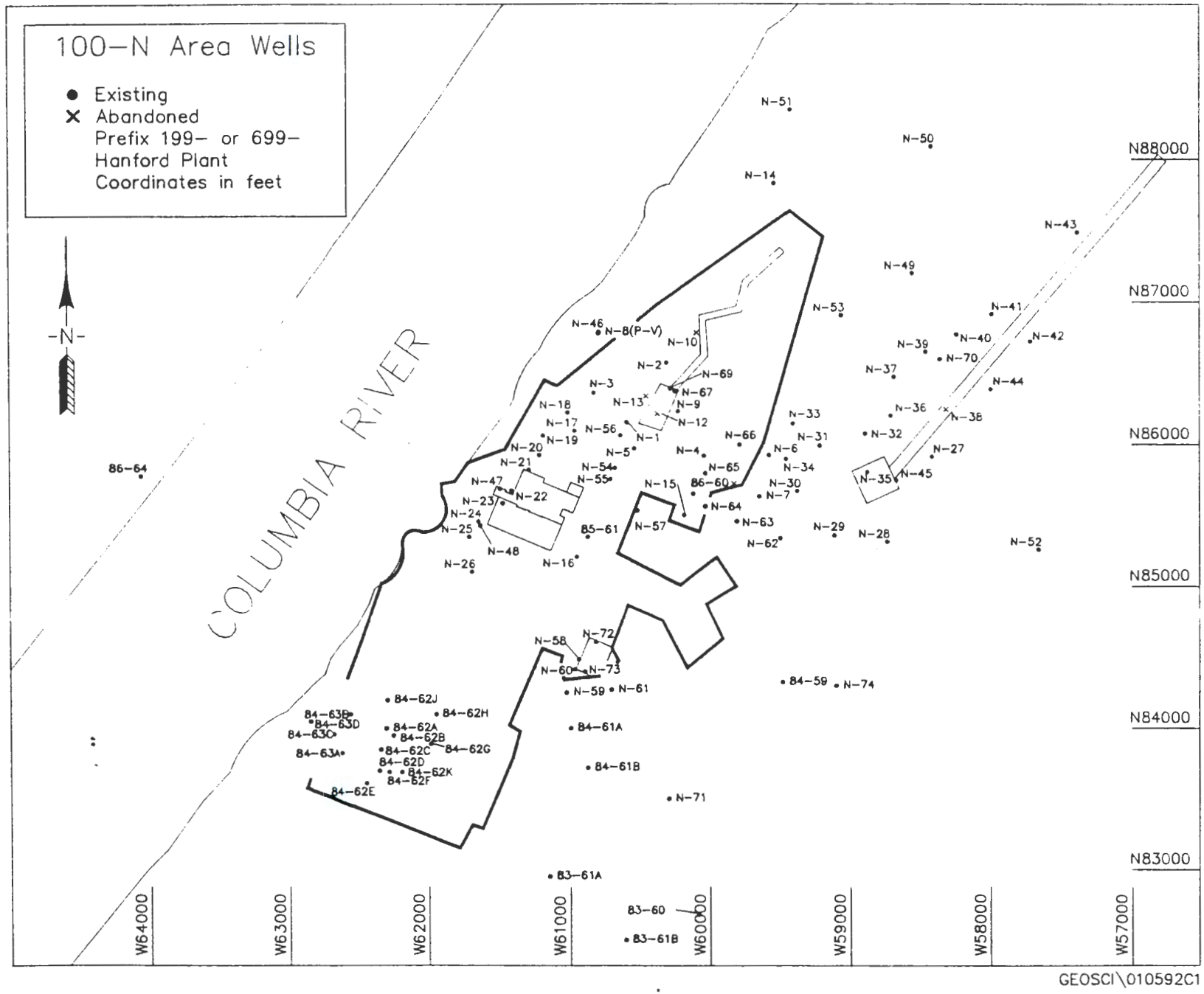

Figure 7-2. 100-N Area Wells.

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-D2-1	54135	90910		11/30/49	465.57	4	31					Casing removed		
1-D2-2	54135	90660		11/30/49	464.57	4	31					Casing removed		
1-D2-3	54940	90810		11/30/49	467.57	4	31					Casing removed		
1-D2-4	53565	90910		11/30/49	464.57	4	33	0	0	P		Casing removed		
1-D2-5	52638	90783		8/31/60	460.87	8	94	36	86	P	P-Submrsbl			
1-D3-1	56250	89550		1/31/49	465.57	8	18					Casing removed		
1-D5-10	59000	89000	D	4/30/57	464.57	8	29	14	27	P				
1-D5-11	59000	88900	D	4/30/57	464.57	8	28	14	27	P				
1-D7-1	59000	88800	D		420.00							Filled in		
1-D7-2	59000	88700	D		420.00							Filled in		
1-K-21	66000	80000		5/31/55	421.73	8	16	10	16	P		Filled w/sand		
1-K-22	65000	81000		5/31/55	421.68	8	49	29	49	S	P-Submrsbl		8/01/91	OPER
1-N-1	60593	86157		5/31/64	456.10	8	62	34	62	P				
1-N-10	60091	86786		12/31/66	457.01	6						Casing removed		
1-N-100	60091	86786		2/28/67	457.26	2		52	54	P		Casing removed		
1-N-10P	60091	86786		2/28/67	457.28	2	66	65	66	P		Casing removed		
1-N-12	60374	86218		12/31/66	456.71	6	64					Casing removed		
1-N-120	60374	86218		1/31/67	456.96	2		48	50	P		Casing removed		
1-N-12P	60374	86218		1/31/67	457.38	2	70	58	70	P		Casing removed		
1-N-13	60454	86342		12/31/66	457.76	6	0					Casing removed		
1-N-130	60454	86342		1/31/67	458.01	2		52	54	P		Piezometer		
1-N-13P	60454	86342		1/31/67	457.95	2	69					Piezo; > T.D.		
1-N-14	59535	87834		4/30/69	453.15	6	78	45	78	P	P-Submrsbl			RCRA
1-N-15	60181	85503		5/31/69	456.94	6	80	50	78	P	P-Submrsbl			
1-N-16	60950	85208		2/28/81	456.70	8	78	51	78	S	P-Submrsbl			RCRA
1-N-17	60963	86098		1/31/81	461.20	8	85	12	83	P	P-Submrsbl			RCRA/SURV
1-N-18	61012	86226		2/28/81	458.50	8	84	57	77	S	P-Submrsbl			

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-N-19	61185	86064		1/31/81	453.90	8	78				P-Submrsbl			
1-N-10	60593	86157		10/31/64	456.37	2	60	40	60	P				
1-N-1P	60593	86157		10/31/64	456.38	2	98	88	98	P				
1-N-1Q	60593	86157		10/31/64	456.36	2	74	72	74	P				
1-N-2	60306	86577		6/30/64	459.83	8	95	35	95	P	P-Submrsbl	Plug at 95		RCRA
1-N-20	61211	85926		1/31/81	455.90	8	80	12	78	P	Bailer			
1-N-21	61285	85823		1/31/81	457.00	8	79	12	78	P	P-Submrsbl			RCRA/SURV
1-N-22	61407	85676		1/31/81	457.10	8	80	58	80	S	Bailer			
1-N-23	61469	85586		1/31/81	456.30	8	80	12	78	P	Bailer			
1-N-24	61640	85460		1/31/81	432.50	8	55	12	54	P	Bailer			
1-N-25	61706	85351		1/31/81	425.80	8	48	26	48	S	Bailer			
1-N-26	61687	85105		1/31/81	455.80	8	79	59	79	S	Bailer			
1-N-27	58417	85915		8/31/83	449.08	8	69	32	69	S	P-Submrsbl			RCRA
1-N-28	58738	85315		9/30/83	464.24	8	83	47	83	S	P-Submrsbl			
1-N-29	59112	85358		8/31/83	465.25	8	84	47	84	S	P-Submrsbl			RCRA
1-N-2O	60306	86577		10/31/64	460.10	2	76	60	70	P				
1-N-2P	60306	86577		10/31/64	460.10	2	132	112	122	P				
1-N-2Q	60306	86577		10/31/64	460.10	2	107	105	107	P				
1-N-2R	60306	86577		10/31/64	460.10	2	79	77	79	P				
1-N-3	60828	86365		6/30/64	459.45	8	86	34	86	P	P-Submrsbl	Prtly sanded in		RCRA
1-N-30	59372	85671		9/30/83	457.48	8	78	42	78	S	P-Submrsbl			
1-N-31	59211	85993		9/30/83	462.63	8	81	44	81	S	P-Submrsbl			RCRA
1-N-32	58893	86077		9/30/83	462.08	8	80	44	80	S	P-Submrsbl			RCRA
1-N-33	59403	86148		8/31/83	459.87	8	75	38	75	S	P-Hydstr			RCRA
1-N-34	59452	85899		9/30/83	459.63	8	78	34	78	S	P-Submrsbl			
1-N-35	58776	85805		4/30/84	449.38	6	64	44	64	S				
1-N-36	58710	86204		4/30/84	458.97	6	74	54	74	S	P-Submrsbl			RCRA
1-N-37	58687	86476		4/30/84	456.12	6	74	54	74	S	P-Submrsbl			

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-N-38	58319	86247		4/30/84	456.40	6	71					Casing removed		
1-N-39	58461	86651		4/30/84	454.31	6	78	53	73	S	P-Submrsbl			RCRA
1-N-3O	60828	86365		10/31/64	459.72	2		60	68	P		Casing removed		
1-N-3P	60828	86365		10/31/64	459.71	2		112	122	P		Casing removed		
1-N-3Q	60828	86365		10/31/64	459.72	2		96	98	P		Casing removed		
1-N-3R	60828	86365		10/31/64	459.71	2		78	80	P		Casing removed		
1-N-4	60042	85921		6/30/64	458.73	8	80	50	60	P	P-Submrsbl	Bridge at 73 ft		RCRA
1-N-40	58241	86773		4/30/84	456.35	6	79	53	73	S				
1-N-41	57989	86916		4/30/84	457.59	6	78	53	73	S	P-Submrsbl			RCRA/SURV
1-N-42	57716	86724		4/30/84	455.14	6	78	52	72	S	P-Submrsbl			
1-N-43	57384	87488		4/30/84	449.01	6	79	51	71	S				
1-N-44	57996	86390		4/30/84	460.70	6	82	56	76	S	P-Submrsbl			
1-N-45	58673	85748		4/30/84	452.31	6	73	51	71	S	P-Submrsbl			
1-N-46	60796	86781			404.70	7	25					No document		
1-N-47	61490	85690	F	11/30/84	443.53	8	73	53	73	S	P-Submrsbl			RCRA
1-N-48	61630	85430	F	11/30/84	439.79	8	71	51	71	S	P-Submrsbl			
1-N-49	58556	87202	F	7/31/85	450.72	8	65	55	65	S	P-Submrsbl			
1-N-4O	60042	85921		4/30/64	457.90	2		50	60	P		Casing removed		
1-N-4P	60042	85921		10/31/64	457.90	2		128	138	P		Casing removed		
1-N-4Q	60042	85921		10/31/64	457.90	2		113	123	P		Casing removed		
1-N-4R	60042	85921		10/31/64	457.90	2		103	105	P		Casing removed		
1-N-4S	60042	85921		10/31/64	457.90	2		76	78	P		Casing removed		
1-N-5	60540	85973		6/30/64	455.47	8	110	34	110	P	Bailer	Plug at 110 ft		
1-N-50	58420	88090	F	7/31/85	453.36	8	86	66	86	S	P-Submrsbl			
1-N-51	59420	88350	F	7/31/85	462.18	8	86	66	86	S	P-Submrsbl			
1-N-52	57658	85259	F	7/31/85	463.70	8	76	56	76	S	P-Submrsbl			
1-N-53	59060	86908	F	6/30/85	461.76	8	71	51	71	S				
1-N-54	60678	85836		6/30/87	457.51	6	73	58	73	S	P-Hydstr			RCRA

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-N-55	60710	85758		6/30/87	457.85	6	73	58	73	S	P-Hydstr			RCRA
1-N-56	60637	86066		6/30/87	458.09	6	74	59	74	S	P-Hydstr			RCRA
1-N-57	60516	85535		6/30/87	457.76	6	73	58	73	S	P-Hydstr			RCRA
1-N-58	60939	84487		11/30/87	462.88	6	70	55	70	S	P-Hydstr			
1-N-59	61029	84252		11/30/87	459.53	6	72	57	72	S	P-Hydstr			RCRA
1-N-5O	60540	85973		10/31/64	455.74	2		50	60	P		Casing removed		
1-N-5P	60540	85973		10/31/64	455.74	2		90	101	P		Casing removed		
1-N-5Q	60540	85973		10/31/64	455.74	2		80	82	P		Casing removed		
1-N-6	59572	85925		5/31/65	460.97	8	70	36	65	P	P-Submrsbl			
1-N-60	60969	84416		11/30/87	461.94	6	70	55	70	S	P-Hydstr			RCRA
1-N-61	60708	84272		11/30/87	462.02	6	67	52	67	S	P-Hydstr			
1-N-62	59492	85339		10/31/87	463.59	6	78	63	78	S				
1-N-63	59803	85459		11/30/87	466.70	6	81	66	81	S				
1-N-64	60030	85564		11/30/87	454.63	6	69	54	69	S				
1-N-65	60028	85797		11/30/87	456.44	6	71	56	71	S				
1-N-66	59781	85999		11/30/87	465.25	6	78	63	78	S	P-Hydstr			RCRA
1-N-67	60248	86377		3/31/88	458.46	6	76	60	76	S	P-Hydstr			RCRA
1-N-69	60282	86397		6/07/88	458.84	6	100	90	100	S	P-Hydstr			RCRA
1-N-7	59643	85634		5/31/65	460.73	8	68	37	67	P		Casing removed		
1-N-70	58360	86600		6/01/88	454.21	6	99	89	99	S	P-Hydstr			RCRA
1-N-71	59946	83697		11/07/91	462.50	4	85	65	85	S	P-Hydstr	New well		RCRA
1-N-72	60883	84577		11/07/91	458.45	4	85	62	82	S	P-Hydstr	New well		RCRA
1-N-73	60917	84313		11/07/91	462.74	4	89	66	86	S	P-Hydstr	New well		RCRA
1-N-74	58785	84264		11/07/91	457.13	4	80	59	80	S	P-Hydstr	New well		RCRA
1-N-8P	60796	86790		5/31/66	405.12	2	99	90	99	P		Bent over		
1-N-8Q	60782	86804		5/31/66	404.62	2	60	50	60	P				
1-N-8R	60776	86810		6/30/66	404.09	2	36					Sanded in		
1-N-8S	60789	86798		6/30/66	404.57	2	37	28	37	P				

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-N-8T	60803	86784		6/30/66	404.61	2	30	20	30	P	P-Cont Flo			
1-N-8U	60770	86816		5/31/66	404.59	2	19	18	19	P		Plugged		
1-N-8V	60811	86776		6/30/66	404.61	2	10	5	10	P		Bent over		
1-N-9	60229	86235		12/31/66	447.63							Casing removed		
1-N-9O	60229	86235		2/28/67	447.88	2						Casing removed		
1-N-9P	60229	86235		2/28/67	447.93	2						Casing removed		
6-80-62	62000	81900			440.00									
6-81-58	57993	81004		10/31/62	439.55	8	90	35	90	P	P-Submrsbl	Plug at 90 ft		RCRA/SURV
6-81-58O	57993	81004		12/31/65	439.81	2		40	60	P		Casing removed		
6-81-58P	57993	81004		8/31/63	439.81	2	134	114	134	P		Casing removed		
6-81-62	62072	80813		3/31/73	441.46	2	1328	1280	1322	P				BH-17
6-81-64A	64000	81000	D	12/31/43								Abandoned		
6-81-64B	64000	80900	D	12/31/43			38							
6-81-64C	64000	80800	D	5/31/43								Casing removed		
6-83-60	60085	82680			459.97									
6-83-61A	61150	82950		12/31/72	457.20		112							BH-12
6-83-61B	60610	82500		12/31/72	472.90		117							BH-14
6-84-59	59480	84325		2/28/73	459.97	3	1001					6"casing to 120		BH-16
6-84-61A	61000	84000	D			12	111							
6-84-61B	60880	83720		12/31/72	470.60		115							BH-13
6-84-62A	62310	84000		1/31/73	451.00	2	981					5"casing to 440		BH-1
6-84-62B	62260	83950		1/31/73	451.00		250							BH-2
6-84-62C	62350	83850		1/31/73	452.10		109							BH-4
6-84-62D	62360	83700		12/31/72	454.50		116							BH-5
6-84-62E	62450	83610		12/31/72	454.30		254							BH-6
6-84-62F	62290	83690		12/31/72	453.00		111							BH-7
6-84-62G	61990	83890		12/31/72	453.70		120							BH-9
6-84-62H	61950	84100		10/31/72	452.70		75							BH-10

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-84-62J	62300	84200		12/31/72	449.50		110							BH-15
6-84-62K	62200	83690		1/31/73	453.30		111							BH-20
6-84-63A	62620	83825		12/31/72	452.20		115							BH-3
6-84-63B	62560	84100		1/31/73	451.10		250							BH-8
6-84-63C	62680	83960		1/31/73	451.20		120							BH-11
6-84-63D	62850	84050		1/31/73	389.50		52							BH-19
6-85-61	60873	85350			454.48									
6-86-60	59826	85723		10/31/61	453.63	8	488	50	488	P		Abandoned,seal		
6-86-64	64060	85780		2/28/73	404.00	3	950							BH-18
6-87-55	55405	86707		6/30/69	458.63	6	83	59	83	P	P-Submrsbl			SURV

Notes: Coordinates are Hanford Plant. "Qual" indicates quality of coordinate: D = dummy, no coordinate available; F = field checked, using new topographic base maps; and a blank means the coordinates are as listed in the Hanford Groundwater Data Base. Elevations are in feet above mean sea level. Casing diameter is in inches. Drilled depth and open intervals are in feet below ground surface. Types of open intervals are: P = perforated and S = screen. "Rehab'd" refers to the fitness-for-use evaluation described in Section 2.2 and shows the date of completion for the evaluation.

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

TABLE 7-2: 100-N REACTOR AREA GROUNDWATER DATA

		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
1-D2-1	11/30/49								
1-D2-2	11/30/49								
1-D2-3	11/30/49								
1-D2-4	11/30/49								
1-D2-5	8/31/60	1/15/63	3/01/90	75	158	446	7/22/64	7/29/91	147
1-D3-1	1/31/49								
1-D5-10	4/30/57								
1-D5-11	4/30/57								
1-D7-1									
1-D7-2									
1-K-21	5/31/55	7/01/59	2/01/62	2	2	2	12/30/57	10/19/67	7
1-K-22	5/31/55	11/27/74	3/02/90	55	139	511	12/30/57	3/02/90	16
1-N-1	5/31/64	9/17/64	11/18/80	7	7	24	10/23/64	8/15/66	24
1-N-10	12/31/66	1/08/71	6/04/74	18	6	31	6/23/67	4/12/73	7
1-N-100	2/28/67								
1-N-10P	2/28/67	9/22/70	6/09/77	27	8	62			
1-N-12	12/31/66						6/23/67	4/24/69	6
1-N-120	1/31/67								
1-N-12P	1/31/67								
1-N-13	12/31/66								
1-N-130	1/31/67								
1-N-13P	1/31/67								
1-N-14	4/30/69	6/06/73	2/01/90	81	415	2303	5/06/70	7/30/91	154
1-N-15	5/31/69	6/06/73	4/13/88	68	23	282	5/06/70	2/24/89	28
1-N-16	2/28/81	6/18/81	5/31/90	30	399	831	3/31/89	7/30/91	35
1-N-17	1/31/81	6/18/81	2/01/90	28	395	786	7/22/87	7/30/91	42
1-N-18	2/28/81	6/18/81	1/31/90	31	56	189	7/22/87	7/30/91	40

Notes: (See end of table for explanation)

Well Number	Completion Date	CHEMICAL AND RADIOLOGICAL DATA: Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	WATER LEVEL DATA: Earliest Measurement	Most Recent Measurement	Number of Measurements
1-N-19	1/31/81	6/18/81	4/28/88	28	14	131	7/22/87	7/30/91	37
1-N-1O	10/31/64								
1-N-1P	10/31/64								
1-N-1Q	10/31/64								
1-N-2	6/30/64	9/17/64	2/02/90	45	407	1551	10/23/64	7/31/91	90
1-N-20	1/31/81	6/18/81	6/14/89	30	12	130	7/22/87	7/30/91	55
1-N-21	1/31/81	6/18/81	2/01/90	36	396	906	4/26/89	7/30/91	32
1-N-22	1/31/81	6/18/81	6/14/89	27	12	109			
1-N-23	1/31/81	6/18/81	12/11/89	33	366	628	3/31/89	7/30/91	41
1-N-24	1/31/81	6/18/81	2/12/90	25	366	600	3/31/89	8/30/90	20
1-N-25	1/31/81	6/18/81	12/06/89	21	365	557	4/26/89	7/30/91	46
1-N-26	1/31/81	6/18/81	2/12/90	17	363	560	8/22/89	7/30/91	19
1-N-27	8/31/83	10/10/83	2/08/90	40	403	1643	9/11/85	7/31/91	84
1-N-28	9/30/83	10/10/83	6/08/89	34	162	874	9/11/85	7/31/91	58
1-N-29	8/31/83	10/10/83	2/07/90	44	424	2192	9/11/85	7/31/91	66
1-N-2O	10/31/64								
1-N-2P	10/31/64								
1-N-2Q	10/31/64								
1-N-2R	10/31/64								
1-N-3	6/30/64	9/17/64	2/14/90	83	401	1730	10/23/64	7/31/91	175
1-N-30	9/30/83	10/10/83	4/27/88	30	15	119	9/11/85	2/24/89	22
1-N-31	9/30/83	10/10/83	2/06/90	33	403	1872	9/11/85	7/30/91	66
1-N-32	9/30/83	10/10/83	2/06/90	42	404	1834	9/11/85	7/31/91	64
1-N-33	8/31/83	10/10/83	2/05/90	49	410	2417	9/11/85	7/30/91	61
1-N-34	9/30/83	10/10/83	10/17/86	16	10	80	9/11/85	7/30/91	75
1-N-35	4/30/84								
1-N-36	4/30/84	2/12/86	12/01/89	23	402	2007	9/11/85	1/31/91	55
1-N-37	4/30/84	2/12/86	6/07/89	10	14	72	9/11/85	7/31/91	50

Notes: (See end of table for explanation)

Well Number	Completion Date	CHEMICAL AND RADIOLOGICAL DATA: Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	WATER LEVEL DATA: Earliest Measurement	Most Recent Measurement	Number of Measurements
1-N-38	4/30/84								
1-N-39	4/30/84	2/12/86	5/15/90	17	134	606	9/13/85	7/31/91	55
1-N-3O	10/31/64								
1-N-3P	10/31/64								
1-N-3Q	10/31/64								
1-N-3R	10/31/64								
1-N-4	6/30/64	9/17/64	2/02/90	75	402	1869	10/23/64	7/31/91	160
1-N-40	4/30/84						9/11/85	7/31/91	53
1-N-41	4/30/84	12/11/87	2/05/90	13	398	1657	9/11/85	7/31/91	64
1-N-42	4/30/84	12/14/87	2/07/90	10	398	1643	9/11/85	7/31/91	63
1-N-43	4/30/84						9/17/85	11/21/85	12
1-N-44	4/30/84						9/11/85	7/31/91	54
1-N-45	4/30/84	2/13/86	12/01/88	12	15	111	9/11/85	11/21/85	16
1-N-46							1/27/88	5/23/88	4
1-N-47	11/30/84	8/21/89	2/08/90	4	391	551			
1-N-48	11/30/84								
1-N-49	7/31/85	5/17/87	6/29/88	8	90	257	9/11/85	7/30/91	55
1-N-4O	4/30/64								
1-N-4P	10/31/64								
1-N-4Q	10/31/64								
1-N-4R	10/31/64								
1-N-4S	10/31/64								
1-N-5	6/30/64	9/17/64	6/15/89	35	13	155	10/23/64	8/13/73	27
1-N-50	7/31/85	5/17/87	6/08/89	6	10	29	9/11/85	7/30/91	50
1-N-51	7/31/85	5/17/87	6/08/89	6	10	29	9/11/85	7/30/91	71
1-N-52	7/31/85	5/06/87	2/05/90	17	398	1749	9/11/85	7/31/91	63
1-N-53	6/30/85						9/11/85	6/22/90	40
1-N-54	6/30/87	6/21/89	2/01/90	5	392	738	5/23/88	7/30/91	39

Notes: (See end of table for explanation)

		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
1-N-55	6/30/87	6/21/89	5/31/90	6	392	824	5/23/88	7/30/91	39
1-N-56	6/30/87	6/21/89	2/01/90	5	393	739	5/23/88	7/30/91	39
1-N-57	6/30/87	6/20/89	11/02/89	4	392	647	5/23/88	7/30/91	49
1-N-58	11/30/87	12/04/87	2/05/90	12	403	2132	12/04/87	9/26/90	56
1-N-59	11/30/87	12/04/87	3/27/91	13	404	2482	12/04/87	7/30/91	48
1-N-5O	10/31/64								
1-N-5P	10/31/64								
1-N-5Q	10/31/64								
1-N-6	5/31/65	9/17/64	6/09/89	61	154	419	7/07/65	7/31/91	152
1-N-60	11/30/87	12/04/87	2/05/90	12	403	2441	12/04/87	7/31/91	48
1-N-61	11/30/87	12/04/87	2/07/90	12	403	2065	12/04/87	4/24/90	32
1-N-62	10/31/87						5/27/88	7/30/91	34
1-N-63	11/30/87						5/27/88	7/30/91	33
1-N-64	11/30/87						5/27/88	7/31/91	30
1-N-65	11/30/87						5/27/88	7/31/91	30
1-N-66	11/30/87	3/08/89	2/02/90	6	391	1102	5/27/88	7/31/91	45
1-N-67	3/31/88	12/19/88	2/05/90	7	402	1436	12/19/88	7/31/91	51
1-N-69	6/07/88	12/19/88	2/02/90	7	393	1201	12/19/88	7/31/91	32
1-N-7	5/31/65	6/06/73	1/16/87	29	11	118	7/07/65	1/19/87	62
1-N-70	6/01/88	9/19/88	2/07/90	9	399	1411	9/19/88	7/31/91	27
1-N-71	11/07/91								
1-N-72	11/07/91								
1-N-73	11/07/91								
1-N-74	11/07/91								
1-N-8P	5/31/66	6/07/73	6/07/73	1	1	1	7/21/87	5/09/91	25
1-N-8Q	5/31/66	6/07/73	6/07/73	1	1	1	7/21/87	5/23/88	5
1-N-8R	6/30/66	6/06/73	6/06/73	1	1	1	7/21/87	5/23/88	5
1-N-8S	6/30/66	6/06/73	6/06/73	1	1	1	6/06/66	7/31/91	85

Notes: (See end of table for explanation)

		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
1-N-8T	6/30/66	6/06/73	6/06/73	1	1	1			
1-N-8U	5/31/66	4/22/69	8/05/69	5	2	6			
1-N-8V	6/30/66								
1-N-9	12/31/66								
1-N-90	2/28/67								
1-N-9P	2/28/67								
6-80-62									
6-81-58	10/31/62	1/15/63	2/07/90	95	419	2060	10/19/62	7/30/91	98
6-81-580	12/31/65								
6-81-58P	8/31/63	6/07/73	6/07/73	1	1	1			
6-81-62	3/31/73						6/20/90	6/20/90	1
6-81-64A	12/31/43								
6-81-64B	12/31/43								
6-81-64C	5/31/43								
6-83-60									
6-83-61A	12/31/72								
6-83-61B	12/31/72								
6-84-59	2/28/73								
6-84-61A									
6-84-61B	12/31/72								
6-84-62A	1/31/73								
6-84-62B	1/31/73								
6-84-62C	1/31/73								
6-84-62D	12/31/72								
6-84-62E	12/31/72								
6-84-62F	12/31/72								
6-84-62G	12/31/72								
6-84-62H	10/31/72								

Notes: (See end of table for explanation)

		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
6-84-62J	12/31/72								
6-84-62K	1/31/73								
6-84-63A	12/31/72								
6-84-63B	1/31/73								
6-84-63C	1/31/73								
6-84-63D	1/31/73								
6-85-61									
6-86-60	10/31/61	8/22/62	11/28/83	44	5	65	12/04/61	1/15/87	72
6-86-64	2/28/73								
6-87-55	6/30/69	1/07/71	11/09/89	74	22	212	5/11/70	6/14/91	46

Notes: Sampling events are a count of the number of sampling dates listed in the Hanford Groundwater Data Base. Number of analytes is a count of the different U.S. Testing Corporation constituent codes listed for the well. Number of results is the total number of analytical results for all dates and constituent codes.

Notes: (See end of table for explanation)

12/02/91 TABLE 7-3: 100-N GEOLOGIC DATA INVENTORY Page 1

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-D2-1	11/30/49	31	5-30		
1-D2-2	11/30/49	31	5-30		
1-D2-3	11/30/49	31	5-20		
1-D2-4	11/30/49	33	5-32		
1-D2-5	8/31/60	94	5-95		Driller
1-D3-1	1/31/49	18			Driller
1-D5-10	4/30/57	29			
1-D5-11	4/30/57	28			
1-D7-1					
1-D7-2					
1-K-21	5/31/55	16	5-45		Driller
1-K-22	5/31/55	49	5-50		Driller
1-N-1	5/31/64	62	5-100		Driller
1-N-10	12/31/66				Driller
1-N-100	2/28/67				
1-N-10P	2/28/67	66			
1-N-12	12/31/66	64			Driller
1-N-120	1/31/67				
1-N-12P	1/31/67	70			
1-N-13	12/31/66	0			Driller
1-N-130	1/31/67				
1-N-13P	1/31/67	69			
1-N-14	4/30/69	78			Driller
1-N-15	5/31/69	80			Driller
1-N-16	2/28/81	78	5-78		Driller
1-N-17	1/31/81	85	5-84		Driller
1-N-18	2/28/81	84	5-80		Driller

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-N-19	1/31/81	78	5-77		Driller
1-N-10	10/31/64	60			
1-N-1P	10/31/64	98			
1-N-1Q	10/31/64	74			
1-N-2	6/30/64	95	5-120		Driller
1-N-20	1/31/81	80	5-80		Driller
1-N-21	1/31/81	79	5-80		Driller
1-N-22	1/31/81	80			Driller
1-N-23	1/31/81	80	5-80		Driller
1-N-24	1/31/81	55	5-55		Driller
1-N-25	1/31/81	48	5-49		Driller
1-N-26	1/31/81	79	5-79		Driller
1-N-27	8/31/83	69	5-69		Driller
1-N-28	9/30/83	83	5-83		Driller
1-N-29	8/31/83	84	5-65		Driller
1-N-20	10/31/64	76			
1-N-2P	10/31/64	132			
1-N-2Q	10/31/64	107			
1-N-2R	10/31/64	79			
1-N-3	6/30/64	86			Driller
1-N-30	9/30/83	78	5-90		Driller
1-N-31	9/30/83	81	5-80		Driller
1-N-32	9/30/83	80	5-80		Driller
1-N-33	8/31/83	75	5-75		Driller
1-N-34	9/30/83	78	5-78		Driller
1-N-35	4/30/84	64	5-65		Geologist
1-N-36	4/30/84	74	5-75		Driller
1-N-37	4/30/84	74	5-75		Geologist

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-N-38	4/30/84	71	5-75		Geologist
1-N-39	4/30/84	78	5-75		Geologist
1-N-3O	10/31/64				
1-N-3P	10/31/64				
1-N-3Q	10/31/64				
1-N-3R	10/31/64				
1-N-4	6/30/64	80			Driller
1-N-40	4/30/84	79	5-80		Geologist
1-N-41	4/30/84	78	5-80		Driller
1-N-42	4/30/84	78	5-80		Geologist
1-N-43	4/30/84	79	5-80		Geologist
1-N-44	4/30/84	82	5-85		Geologist
1-N-45	4/30/84	73	5-73		Geologist
1-N-46		25			
1-N-47	11/30/84	73	5-73		Driller
1-N-48	11/30/84	71	5-70		Driller
1-N-49	7/31/85	65	5-65		Driller
1-N-4O	4/30/64				
1-N-4P	10/31/64				
1-N-4Q	10/31/64				
1-N-4R	10/31/64				
1-N-4S	10/31/64				
1-N-5	6/30/64	110	5-120		Driller
1-N-50	7/31/85	86	5-85		Driller
1-N-51	7/31/85	86	5-85		Driller
1-N-52	7/31/85	76	5-76		Driller
1-N-53	6/30/85	71	5-70		Driller
1-N-54	6/30/87	73	39-70		Geologist

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-N-55	6/30/87	73	5-70		Geologist
1-N-56	6/30/87	74	39-70		Geologist
1-N-57	6/30/87	73	40-70		Geologist
1-N-58	11/30/87	70	49-70		Geologist
1-N-59	11/30/87	72	19-70		Geologist
1-N-5O	10/31/64				
1-N-5P	10/31/64				
1-N-5Q	10/31/64				
1-N-6	5/31/65	70	5-70		Driller
1-N-60	11/30/87	70	24-70		Geologist
1-N-61	11/30/87	67	19-45		Geologist
1-N-62	10/31/87	78	19-45		Geologist
1-N-63	11/30/87	81	19-45		Geologist
1-N-64	11/30/87	69	20-65		Geologist
1-N-65	11/30/87	71	35-60		Geologist
1-N-66	11/30/87	78	19-75		Geologist
1-N-67	3/31/88	76			Geologist
1-N-69	6/07/88	100	0-103		Geologist
1-N-7	5/31/65	68	8-67		Driller
1-N-70	6/01/88	99	5-104		Geologist
1-N-71	11/07/91	85	5-85		Geologist
1-N-72	11/07/91	85	5-85		Geologist
1-N-73	11/07/91	89	5-89		Geologist
1-N-74	11/07/91	80	5-80		Geologist
1-N-8P	5/31/66	99			Driller
1-N-8Q	5/31/66	60			Driller
1-N-8R	6/30/66	36			Driller
1-N-8S	6/30/66	37			Driller

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-N-8T	6/30/66	30			Driller
1-N-8U	5/31/66	19			Driller
1-N-8V	6/30/66	10			Driller
1-N-9	12/31/66				Driller
1-N-90	2/28/67				
1-N-9P	2/28/67				
6-80-62					
6-81-58	10/31/62	90	5-150	5-150	Driller
6-81-580	12/31/65				
6-81-58P	8/31/63	134			
6-81-62	3/31/73	1328			Geologist
6-81-64A	12/31/43				
6-81-64B	12/31/43	38			
6-81-64C	5/31/43				
6-83-60					
6-83-61A	12/31/72	112			
6-83-61B	12/31/72	117			
6-84-59	2/28/73	1001			
6-84-61A		111			
6-84-61B	12/31/72	115			
6-84-62A	1/31/73	981			
6-84-62B	1/31/73	250			
6-84-62C	1/31/73	109			
6-84-62D	12/31/72	116			
6-84-62E	12/31/72	254			
6-84-62F	12/31/72	111			
6-84-62G	12/31/72	120			
6-84-62H	10/31/72	75			

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-84-62J	12/31/72	110			
6-84-62K	1/31/73	111			
6-84-63A	12/31/72	115			
6-84-63B	1/31/73	250			
6-84-63C	1/31/73	120			
6-84-63D	1/31/73	52			
6-85-61					
6-86-60	10/31/61	488			
6-86-64	2/28/73	950			
6-87-55	6/30/69	83			Driller

Notes: Depths and intervals are in feet below the ground surface.

8.0 100-D REACTOR AREA

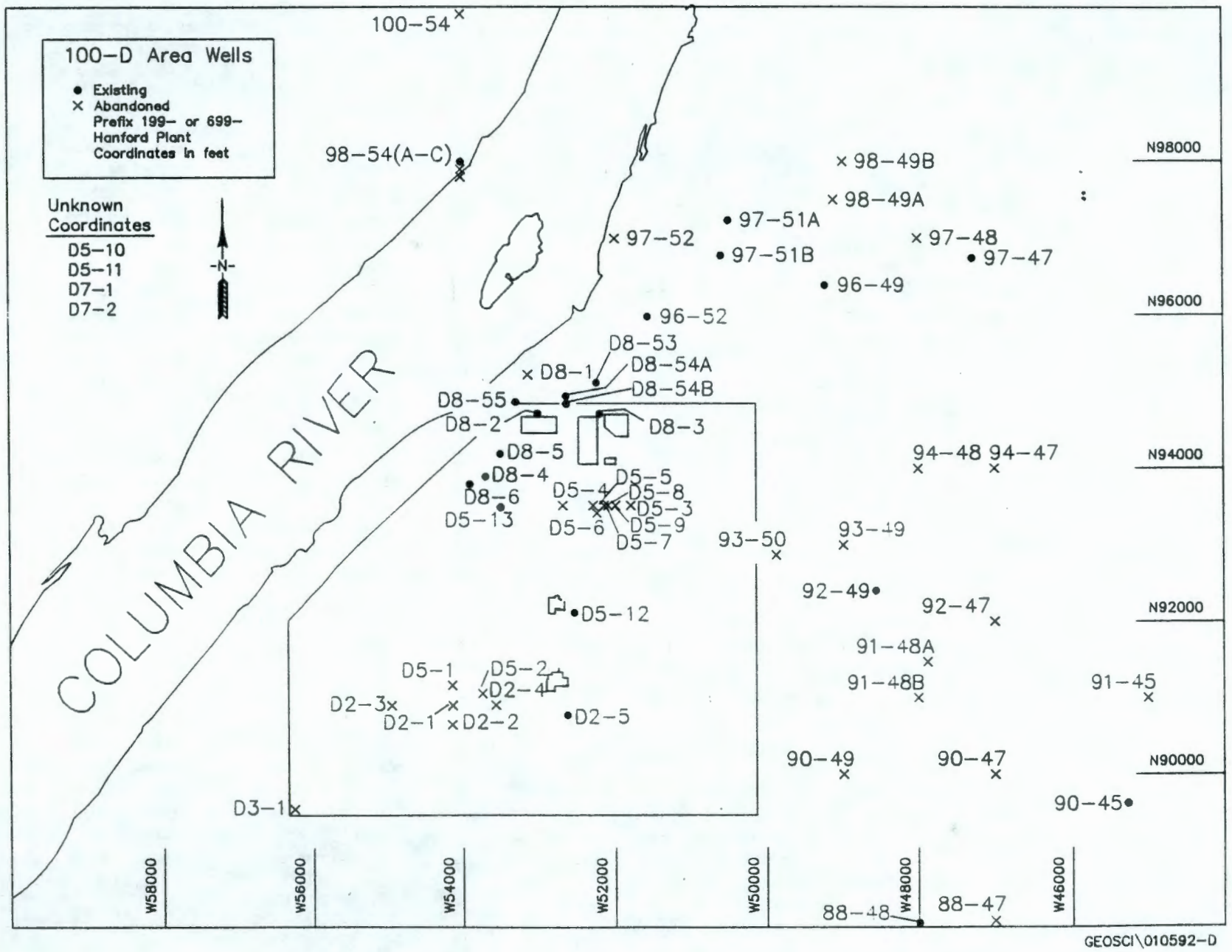

Figure 8-1. Well Location Map for 100-D Reactor Area.

2/20/92

TABLE 8-1: WELLS NEAR THE 100-D REACTOR AREA

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-02-1	54135	90910		11/30/49	465.57	4	31					Casing removed		
1-02-2	54135	90660		11/30/49	464.57	4	31					Casing removed		
1-02-3	54940	90810		11/30/49	467.57	4	31					Casing removed		
1-02-4	53565	90910		11/30/49	464.57	4	33	0	0	P		Casing removed		
1-02-5	52638	90783		8/31/60	460.87	8	94	36	86	P	P-Submrsbl			
1-02-6	55400	90700	F							S		Being drilled		CERC
1-03-1	56250	89550		1/31/49	465.57	8	18					Casing removed		
1-05-1	54135	91170		11/30/49	466.57	4	31					Casing removed		
1-05-10	59000	89000	D	4/30/57	464.57	8	29	14	27	P				
1-05-11	59000	88900	D	4/30/57	464.57	8	28	14	27	P				
1-05-12	52546	92125		8/31/60	469.67	8	91	35	90	P	P-Submrsbl			
1-05-13	53540	93433		11/30/91	470.88	4	97	76	97	S	Hydrostar			RCRA
1-05-14	52750	92900	F									Being drilled		CERC
1-05-2	53740	91065		11/30/49	465.57	4	31					Casing removed		
1-05-3	51790	93520		3/31/49	453.57	8	36					Casing removed		
1-05-4	52690	93520		4/30/49	467.57	8	33					Casing removed		
1-05-5	52290	93520		4/30/49	467.57	8	36					Casing removed		
1-05-6	52240	93420		4/30/49	468.57	8	36					Casing removed		
1-05-7	52140	93520		3/31/49	465.57	8	36					Casing removed		
1-05-8	52090	93520		3/31/49	465.57	8	32					Casing removed		
1-05-9	51990	93520		3/31/49	462.57	8	36					Casing removed		
1-07-1	59000	88800	D		420.00							Filled in		
1-07-2	59000	88700	D		420.00							Filled in		
1-08-1	53140	95230		5/31/43	400.00	6						Filled in		
1-08-2	53018	94725		6/30/52	444.61	8	44	30	44	P				
1-08-3	52205	94720		6/30/52	449.06	6	81	35	79	P	P-Submrsbl			
1-08-4	53829	93877		11/30/91	468.13	3	103	74	94	S	Hydrostar			RCRA
1-08-5	53532	94379		11/30/91	451.90	3	85	63	83	S	Hydrostar			RCRA

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-D8-53	52250	95125	F	2/06/92						S		Being drilled		CERC
1-D8-54A	52700	94950	F	2/10/92						S		Being drilled		CERC
1-D8-54B	52600	94850	F	2/10/92						S		Being drilled		CERC
1-D8-55	53300	94875	F	2/11/92						S		Being drilled		CERC
1-D8-6	53870	93780		11/30/91	475.90	4	110			S	Hydrostar			RCRA
6-100-54	54000	100000	D		402.00	36						Filled in		
6-88-47	47000	88000	D		415.00	42	25					Filled in		
6-88-48	48000	88000	D											
6-90-45	45276	89626			422.15	6	43	37	42	S	P-Submrsbl			SURV
6-90-47	47000	90000	D		424.87	48						Filled in		
6-90-49	49000	90000	D		421.00	60	54					Filled in		
6-91-45	45000	91000	D		420.00	72	45					Filled in		
6-91-48A	47878	91474			424.30	60	35					Filled in		
6-91-48B	48000	91000	D		431.77	60	42					Filled in		
6-92-47	47000	92000	D		420.00	56	49					Filled in		
6-92-49	48571	92407			432.00	12	55							
6-93-49	49000	93000	D		405.22	60						Filled in		
6-93-50	49884	92871			446.00	60						Filled in		
6-94-47	47000	94000	D		420.00	48						Filled in		
6-94-48	48000	94000	D		424.30	60						Filled in		
6-96-49	49232	96388		10/31/62	419.29	8	60	28	60	P	P-Submrsbl	Plug at 60'		SURV
6-96-49O	49232	96388		12/31/65	419.63	2		30	50	P		Casing removed		
6-96-49P	49232	96388		6/30/77	419.29	2	89	79	89	S				
6-96-52	51568	95982				12						Dug well		
6-96-52P	51568	95982			412.52	2	36							
6-97-47	47285	96735			413.00	48	26					Dug well		
6-97-48	48000	97000	D		409.25	60						Filled in		
6-97-51A	50507	97238			402.49	8	37	12	37	P	P-Submrsbl			SURV
6-97-51B	50605	96779			406.50	12	31					Corrugatd liner		

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-97-52	52000	97000	D	5/31/43								Filled in		
6-98-49A	49125	97500			401.80	10	26					Backfilled		
6-98-49B	49000	98000	D									Filled in		
6-98-54A	54000	98000	D											
6-98-54B	54000	97900	D		412.00	36						Not located		
6-98-54C	54000	97800	D									Not located		

Notes: Coordinates are Hanford Plant. "Qual" indicates quality of coordinate: D = dummy, no coordinate available; F = field checked, using new topographic base maps; and a blank means the coordinates are as listed in the Hanford Groundwater Data Base. Elevations are in feet above mean sea level. Casing diameter is in inches. Drilled depth and open intervals are in feet below ground surface. Types of open intervals are: P = perforated and S = screen. "Rehab'd" refers to the fitness-for-use evaluation described in Section 2.2 and shows the date of completion for the evaluation.

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

TABLE 8-2: 100-D REACTOR AREA GROUNDWATER DATA

		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
1-D2-1	11/30/49								
1-D2-2	11/30/49								
1-D2-3	11/30/49								
1-D2-4	11/30/49								
1-D2-5	8/31/60	1/15/63	3/01/90	75	158	446	7/22/64	7/29/91	147
1-D3-1	1/31/49								
1-D5-1	11/30/49								
1-D5-10	4/30/57								
1-D5-11	4/30/57								
1-D5-12	8/31/60	2/01/62	3/06/90	91	165	605	12/09/60	7/29/91	134
1-D5-13	12/01/91								
1-D5-2	11/30/49								
1-D5-3	3/31/49								
1-D5-4	4/30/49								
1-D5-5	4/30/49								
1-D5-6	4/30/49								
1-D5-7	3/31/49								
1-D5-8	3/31/49								
1-D5-9	3/31/49								
1-D7-1									
1-D7-2									
1-D8-1	5/31/43								
1-D8-2	6/30/52	6/01/55	6/13/62	7	2	7	6/16/52	7/06/67	103
1-D8-3	6/30/52	1/28/75	3/01/90	55	157	408	6/16/52	7/29/91	124
1-D8-4	12/01/91								
1-D8-5	12/01/91								
1-D8-53	12/01/91								
1-D8-54A	12/01/91								

Notes: (See end of table for explanation)

		<------------ CHEMICAL AND RADIOLOGICAL DATA ----------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
1-D8-54B	12/01/91								
1-D8-55	12/01/91								
1-D8-6	12/01/91								
6-100-54									
6-88-47									
6-88-48									
6-90-45		10/11/82	10/26/89	60	170	450	12/11/61	7/26/91	209
6-90-47		10/12/82	5/20/85	30	2	47	3/19/51	6/22/61	95
6-90-49									
6-91-45							2/15/89	2/15/89	1
6-91-48A							3/30/67	11/29/67	44
6-91-48B									
6-92-47									
6-92-49							4/03/67	7/29/91	89
6-93-49									
6-93-50							5/17/54	5/01/74	58
6-94-47									
6-94-48							3/30/67	6/05/67	17
6-96-49	10/31/62	10/29/63	10/26/89	47	130	514	10/22/62	7/29/91	101
6-96-490	12/31/65								
6-96-49P	6/30/77								
6-96-52							2/27/67	7/07/75	69
6-96-52P									
6-97-47							4/25/67	11/08/67	37
6-97-48		2/01/56	2/01/56	1	1	1	3/19/51	6/22/61	78
6-97-51A		3/02/79	11/01/89	41	120	419	1/07/63	7/29/91	88
6-97-51B							3/03/67	7/07/75	67
6-97-52	5/31/43								
6-98-49A							4/25/67	7/07/75	54

Notes: (See end of table for explanation)

TABLE 8-2: 100-D REACTOR AREA GROUNDWATER DATA

		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
6-98-49B									
6-98-54A									
6-98-54B									
6-98-54C									

Notes: Sampling events are a count of the number of sampling dates listed in the Hanford Groundwater Data Base. Number of analytes is a count of the different U.S. Testing Corporation constituent codes listed for the well. Number of results is the total number of analytical results for all dates and constituent codes.

Notes: (See end of table for explanation)

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-02-1	11/30/49	31	5-30		
1-02-2	11/30/49	31	5-30		
1-02-3	11/30/49	31	5-20		
1-02-4	11/30/49	33	5-32		
1-02-5	8/31/60	94	5-95		Driller
1-03-1	1/31/49	18			Driller
1-05-1	11/30/49	31	5-30		
1-05-10	4/30/57	29			
1-05-11	4/30/57	28			
1-05-12	8/31/60	91	5-90		Driller
1-05-13	11/30/91	97	5-97		Geologist
1-05-2	11/30/49	31	5-30		
1-05-3	3/31/49	36			
1-05-4	4/30/49	33			
1-05-5	4/30/49	36			
1-05-6	4/30/49	36			
1-05-7	3/31/49	36			
1-05-8	3/31/49	32			
1-05-9	3/31/49	36			
1-07-1					
1-07-2					
1-08-1	5/31/43		5-70		
1-08-2	6/30/52	44	5-50		Driller
1-08-3	6/30/52	81			Driller
1-08-4	11/30/91	103	5-103		Geologist
1-08-5	11/30/91	85	5-85		Geologist
1-08-53	2/06/92				Geologist
1-08-54A	2/10/92				Geologist

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-D8-54B	2/10/92				Geologist
1-D8-55	2/11/92				Geologist
1-D8-6	11/30/91	110	5-110		Geologist
6-100-54					
6-88-47		25			
6-88-48					
6-90-45		43			None
6-90-47					
6-90-49		54			
6-91-45		45			
6-91-48A		35			
6-91-48B		42			
6-92-47		49			
6-92-49		55			
6-93-49					
6-93-50					
6-94-47					
6-94-48					
6-96-49	10/31/62	60			Driller
6-96-490	12/31/65				
6-96-49P	6/30/77	89			
6-96-52					
6-96-52P		36			
6-97-47		26			
6-97-48					
6-97-51A		37			Driller
6-97-51B		31			Driller
6-97-52	5/31/43				
6-98-49A		26			

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-98-49B					
6-98-54A					
6-98-54B					
6-98-54C					

Notes: Depths and intervals are in feet below the ground surface.

9.0 100-H REACTOR AREA

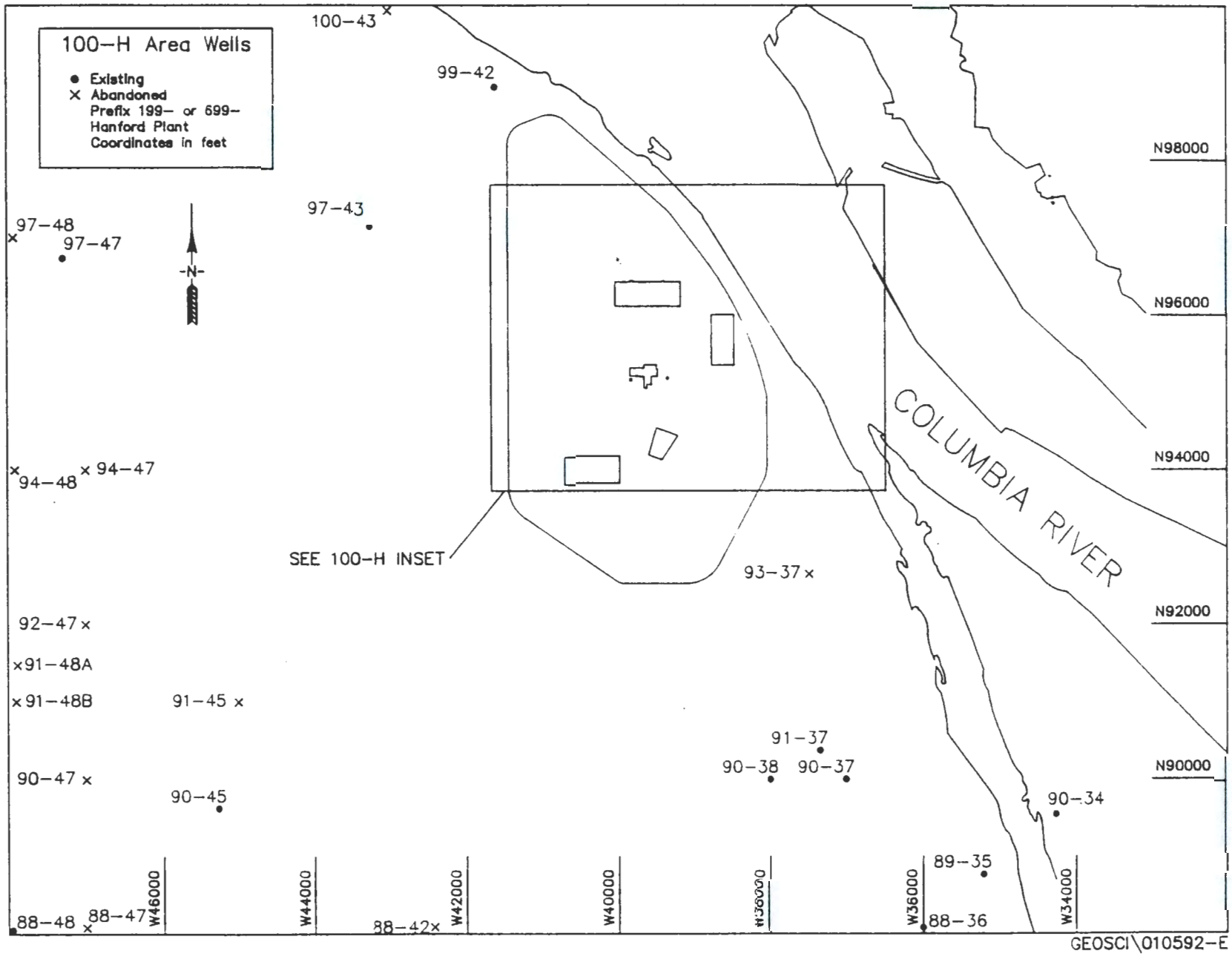

Figure 9-1. Well Location Map for 100-H Reactor Area.

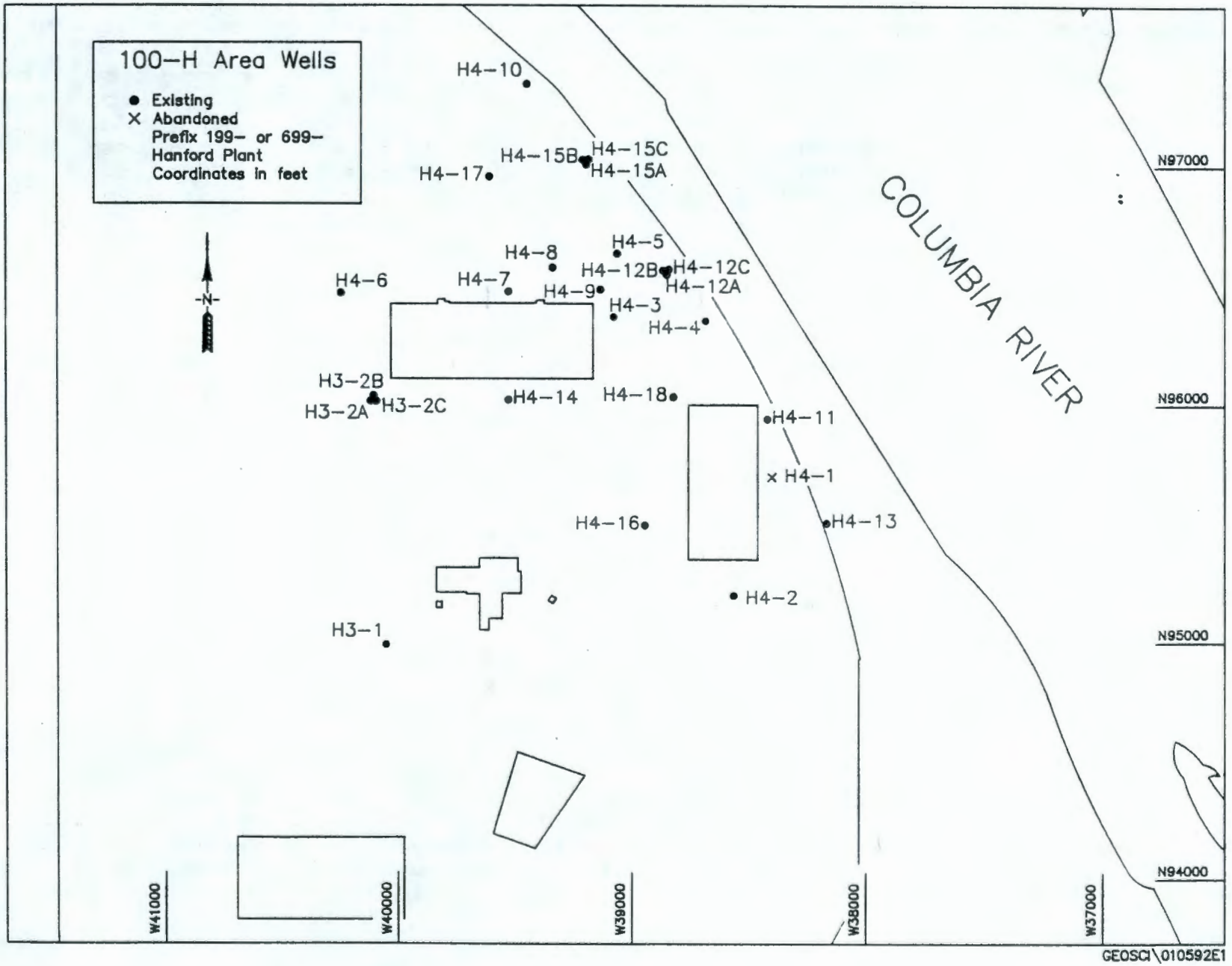

Figure 9-2. 100-H Area Wells.

12/02/91

TABLE 9-1: WELLS NEAR THE 100-H REACTOR AREA

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-H3-1	40052	94994		8/31/60	421.48	8	75	29	74	P	P-Hydstr			RCRA
1-H3-2A	40117	96019		11/30/86	417.83	6	51	36	51	S	P-Hydstr			RCRA
1-H3-2B	40105	96042		11/30/86	418.42	6	55	50	55	S	P-Hydstr			RCRA/SURV
1-H3-2C	40093	96019		10/31/86	418.22	6	110	100	110	S	P-Hydstr			RCRA
1-H4-1	38400	95700		3/31/52	417.75	6	38	25	38	P		Casing removed		
1-H4-10	39449	97349		9/30/86	404.44	6	38	23	38	S	P-Hydstr			RCRA
1-H4-11	38420	95944		10/31/86	416.84	6	53	38	53	S	P-Hydstr			RCRA
1-H4-12A	38854	96550		11/30/86	413.50	6	48	33	48	S	P-Hydstr			RCRA
1-H4-12B	38870	96568		11/30/86	413.52	6	50	45	50	S	P-Hydstr			RCRA/SURV
1-H4-12C	38845	96573		10/31/86	413.52	6	82	72	82	S	P-Hydstr			RCRA
1-H4-13	38167	95506		11/30/86	418.20	6	52	37	52	S	P-Hydstr			RCRA/SURV
1-H4-14	39529	96025		12/31/86	420.59	6	53	38	53	S	P-Hydstr			RCRA
1-H4-15A	39197	97012		11/30/86	407.21	6	42	27	42	S	P-Hydstr			RCRA/SURV
1-H4-15B	39212	97032		11/30/86	406.92	6	42	37	42	S	P-Hydstr			RCRA/SURV
1-H4-15CP	39186	97034		10/31/86	407.07	2	327	325	327	S		Piezometer		RCRA
1-H4-15CQ	39186	97034		10/31/86	407.27	2	297	295	297	S		Piezometer		RCRA
1-H4-15CR	39186	97034		10/31/86	407.37	2	196	194	196	S		Piezometer		RCRA
1-H4-15CS	39186	97034		10/31/86	407.44	2	80	78	80	S		Piezometer		RCRA
1-H4-16	38946	95496		4/30/87	424.23	6	58	43	58	S	P-Hydstr			RCRA
1-H4-17	39608	96961		5/31/87	419.09	6	48	35	45	S	P-Hydstr			RCRA/SURV
1-H4-18	38825	96037		5/31/87	421.82	6	50	40	50	S	P-Hydstr			RCRA
1-H4-2	38565	95200		5/31/52	421.12	6	311	25	50	P		Flowing; capped		
1-H4-3	39080	96373		5/31/74	420.29	6	55	34	55	P	P-Hydstr			RCRA
1-H4-4	38685	96356		6/30/83	413.70	6	50	33	43	S	P-Hydstr			RCRA/SURV/DOH
1-H4-5	39065	96639		5/31/83	416.21	6	60	32	42	S	P-Hydstr			RCRA/SURV
1-H4-6	40245	96473		5/31/83	419.58	6	54	39	49	S	P-Hydstr			RCRA
1-H4-7	39527	96479		9/30/86	420.59	6	53	38	53	S	P-Hydstr			RCRA
1-H4-8	39341	96580		5/31/86	420.00	6	48	38	48	S	P-Hydstr			RCRA/SURV
1-H4-9	39136	96488		9/30/86	418.08	6	46	36	46	S	P-Hydstr			RCRA
6-100-43	43000	100000	D		405.00	36						Filled in		
6-88-36	36000	88000	D			8	40					Farm well		

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-88-42	42425	88085			410.20	48						Filled in		
6-88-47	47000	88000	D		415.00	42	25					Filled in		
6-88-48	48000	88000	D											
6-89-35	35221	88767		9/30/61	397.46	8	64	20	64	P	P-Submrsbl			
6-90-34	34273	89550			392.39	60	35							
6-90-37	37000	90000	D		414.00	24	32							
6-90-38	38000	90000	D		418.40	12	43					12" corr. liner		
6-90-45	45276	89626			422.15	6	43	37	42	S	P-Submrsbl			SURV
6-90-47	47000	90000	D		424.87	48						Filled in		
6-91-37	37341	90373			422.93	12	53					12" corr. liner		
6-91-45	45000	91000	D		420.00	72	45					Filled in		
6-91-48A	47878	91474			424.30	60	35					Filled in		
6-91-48B	48000	91000	D		431.77	60	42					Filled in		
6-92-47	47000	92000	D		420.00	56	49					Filled in		
6-93-37	37475	92650			399.32	72						Filled in		
6-94-47	47000	94000	D		420.00	48						Filled in		
6-94-48	48000	94000	D		424.30	60						Filled in		
6-97-43	43241	97143		10/31/62	421.81	8	85	25	85	P	P-Submrsbl	Plug at 85'		SURV
6-97-43O	43241	97143		12/31/65	422.10	2	60	40	60	P		Casing removed		
6-97-43P	43241	97143		8/31/63	422.10	2	89	70	89	P		Casing removed		
6-97-47	47285	96735			413.00	48	26					Dug well		
6-97-48	48000	97000	D		409.25	60						Filled in		
6-99-42	41606	98944			412.88	12	36					Dug well		

Notes: Coordinates are Hanford Plant. "Qual" indicates quality of coordinate: D = dummy, no coordinate available; F = field checked, using new topographic base maps; and a blank means the coordinates are as listed in the Hanford Groundwater Data Base. Elevations are in feet above mean sea level. Casing diameter is in inches. Drilled depth and open intervals are in feet below ground surface. Types of open intervals are: P = perforated and S = screen. "Rehab'd" refers to the fitness-for-use evaluation described in Section 2.2 and shows the date of completion for the evaluation.

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

TABLE 9-2: 100-H REACTOR AREA GROUNDWATER DATA

		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
1-H3-1	8/31/60	1/18/62	4/17/90	102	419	8090	2/22/62	7/26/91	208
1-H3-2A	11/30/86	1/30/87	4/11/91	22	393	1885	11/20/86	7/26/91	124
1-H3-2B	11/30/86	2/05/87	4/24/90	16	393	1722	11/20/86	7/26/91	116
1-H3-2C	10/31/86	12/23/86	4/24/90	16	392	1520	11/20/86	7/26/91	119
1-H4-1	3/31/52	6/01/55	1/23/63	13	3	13	5/23/52	12/31/64	122
1-H4-10	9/30/86	12/19/86	4/18/90	19	394	1517	11/20/86	7/26/91	117
1-H4-11	10/31/86	12/23/86	4/23/90	27	393	2043	11/20/86	7/26/91	127
1-H4-12A	11/30/86	2/02/87	4/17/90	27	393	2295	11/20/86	7/26/91	134
1-H4-12B	11/30/86	2/05/87	4/17/90	26	393	2202	11/20/86	7/26/91	127
1-H4-12C	10/31/86	12/31/86	4/17/90	29	393	2366	11/20/86	7/26/91	133
1-H4-13	11/30/86	2/06/87	4/24/90	16	393	1713	11/20/86	7/26/91	117
1-H4-14	12/31/86	2/05/87	4/25/90	22	394	1751	12/05/86	7/26/91	119
1-H4-15A	11/30/86	1/30/87	4/18/90	16	393	1522	11/20/86	7/26/91	119
1-H4-15B	11/30/86	2/10/87	4/18/90	16	393	1523	11/20/86	7/26/91	116
1-H4-15CP	10/31/86								
1-H4-15CQ	10/31/86						11/20/86	7/26/91	101
1-H4-15CR	10/31/86						11/20/86	7/26/91	103
1-H4-15CS	10/31/86						11/20/86	7/26/91	103
1-H4-16	4/30/87	5/07/87	4/20/90	19	394	1397	5/07/87	7/26/91	109
1-H4-17	5/31/87	6/15/87	4/20/90	16	394	1187	5/13/87	7/26/91	104
1-H4-18	5/31/87	6/15/87	4/20/90	24	394	1929	6/15/87	7/26/91	111
1-H4-2	5/31/52	6/01/55	5/16/79	11	2	12	5/23/52	6/01/84	152
1-H4-3	5/31/74	11/25/74	5/06/90	148	433	7897	6/19/85	8/01/91	165
1-H4-4	6/30/83	12/13/83	5/06/90	64	414	4455	1/22/85	8/01/91	205
1-H4-5	5/31/83	12/13/83	4/18/90	51	414	3809	1/22/85	7/26/91	191
1-H4-6	5/31/83	12/13/83	4/23/90	52	414	3224	1/22/85	7/26/91	188
1-H4-7	9/30/86	12/18/86	4/23/90	20	393	1688	11/20/86	7/26/91	122
1-H4-8	5/31/86	12/31/86	4/25/90	18	393	1512	11/20/86	7/26/91	118
1-H4-9	9/30/86	1/30/87	5/06/90	30	393	2387	11/20/86	8/01/91	131
6-100-43									
6-88-36									

Notes: (See end of table for explanation)

Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
6-88-42							12/11/61	5/01/74	18
6-88-47									:
6-88-48									
6-89-35	9/30/61	2/15/62	10/26/89	74	179	394	12/04/61	7/26/91	252
6-90-34							7/12/73	7/26/91	85
6-90-37									
6-90-38							7/12/73	10/18/74	3
6-90-45		10/11/82	10/26/89	60	170	450	12/11/61	7/26/91	209
6-90-47		10/12/82	5/20/85	30	2	47	3/19/51	6/22/61	95
6-91-37							7/12/73	7/26/91	188
6-91-45							2/15/89	2/15/89	1
6-91-48A							3/30/67	11/29/67	44
6-91-48B									
6-92-47									
6-93-37		2/01/56	2/01/56	1	1	1	3/16/51	7/09/62	70
6-94-47									
6-94-48							3/30/67	6/05/67	17
6-97-43	10/31/62	2/16/83	4/13/89	50	127	538	10/22/62	7/26/91	226
6-97-430	12/31/65								
6-97-43P	8/31/63								
6-97-47							4/25/67	11/08/67	37
6-97-48		2/01/56	2/01/56	1	1	1	3/19/51	6/22/61	78
6-99-42							7/12/73	7/26/91	58

Notes: Sampling events are a count of the number of sampling dates listed in the Hanford Groundwater Data Base. Number of analytes is a count of the different U.S. Testing Corporation constituent codes listed for the well. Number of results is the total number of analytical results for all dates and constituent codes.

Notes: (See end of table for explanation)

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-H3-1	8/31/60	75	5-75		Driller
1-H3-2A	11/30/86	51	5-56		Geologist
1-H3-2B	11/30/86	55	5-58		Geologist
1-H3-2C	10/31/86	110	5-155		Geologist
1-H4-1	3/31/52	38	5-75		Driller
1-H4-10	9/30/86	38	5-38		Geologist
1-H4-11	10/31/86	53	5-55		Geologist
1-H4-12A	11/30/86	48	5-55		Geologist
1-H4-12B	11/30/86	50	5-51		Geologist
1-H4-12C	10/31/86	82	5-220		Geologist
1-H4-13	11/30/86	52	5-61		Geologist
1-H4-14	12/31/86	53	5-60		Geologist
1-H4-15A	11/30/86	42	5-45		Geologist
1-H4-15B	11/30/86	42	5-44		Geologist
1-H4-15CP	10/31/86	327			Geologist
1-H4-15CQ	10/31/86	297			
1-H4-15CR	10/31/86	196			
1-H4-15CS	10/31/86	80			
1-H4-16	4/30/87	58	5-61		Geologist
1-H4-17	5/31/87	48	5-50		Geologist
1-H4-18	5/31/87	50	5-50		Geologist
1-H4-2	5/31/52	311	5-385	5-385	Driller
1-H4-3	5/31/74	55	5-55		Driller
1-H4-4	6/30/83	50			Driller
1-H4-5	5/31/83	60			Driller
1-H4-6	5/31/83	54			Driller
1-H4-7	9/30/86	53	5-55		Geologist
1-H4-8	5/31/86	48	5-55		Geologist
1-H4-9	9/30/86	46	5-51		Geologist
6-100-43					
6-88-36		40			

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-88-42					
6-88-47		25			
6-88-48					
6-89-35	9/30/61	64	5-75	5-75	Driller
6-90-34		35			
6-90-37		32			
6-90-38		43			
6-90-45		43			None
6-90-47					
6-91-37		53			
6-91-45		45			
6-91-48A		35			
6-91-48B		42			
6-92-47		49			
6-93-37					
6-94-47					
6-94-48					
6-97-43	10/31/62	85		0-55	Driller
6-97-43O	12/31/65	60			
6-97-43P	8/31/63	89			
6-97-47		26			
6-97-48					
6-99-42		36			

Notes: Depths and intervals are in feet below the ground surface.

10.0 100-F REACTOR AREA

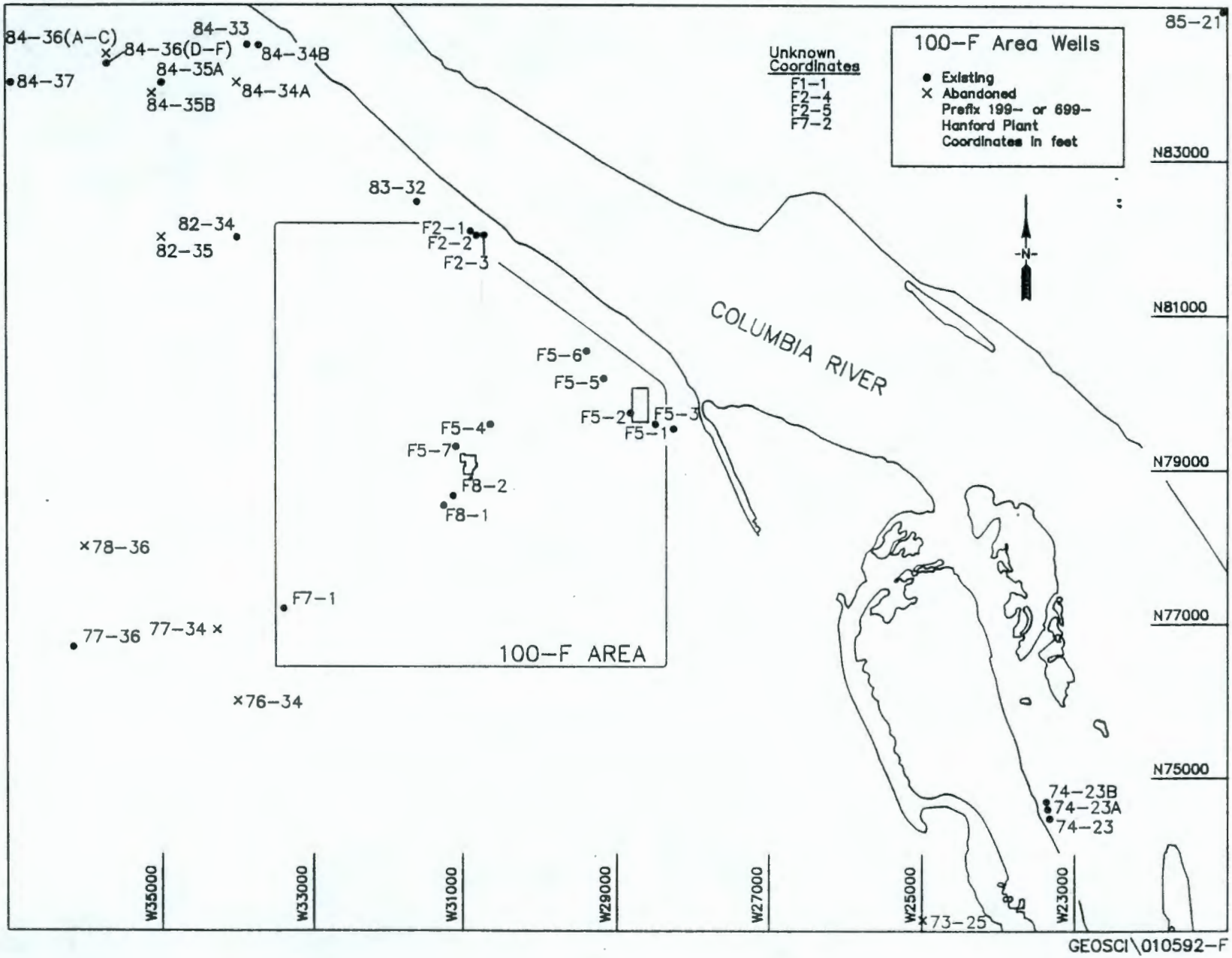

Figure 10-1. Well Location Map for 100-F Reactor Area.

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
1-F1-1	36000	74000	D	5/31/43	394.38	2	41					Not located		
1-F2-1	30906	82085		5/31/43	403.71	6	31							
1-F2-2	30827	82029		5/31/43	401.87	6	30							
1-F2-3	30730	82034		5/31/43	399.25	6	49							
1-F2-4	36000	73900	D	5/31/43	409.11	2	63							
1-F2-5	36000	73800	D	5/31/43	407.05		49							
1-F5-1	28255	79531		9/30/48	406.56	6	67	35	63	P	P-Submrsbl			
1-F5-2	28828	79738		2/28/53	413.02	8	100	25	100	P				
1-F5-3	28496	79588		1/31/53	408.62	8	63	22	90	P	Bailer	Plug at 63 ft		
1-F5-4	30650	79069		2/28/53	412.12	8	80	35	80	P	P-Submrsbl	Plug at 80 ft		SURV/OPER
1-F5-5	29174	80185		1/31/53	412.51	8	100	15	80	P				
1-F5-6	29402	80537		8/31/56	412.95	8	170	35	192	P	P-Submrsbl			SURV/OPER
1-F5-7	31100	79300		4/30/58	412.76	6	28							
1-F7-1	33394	77199		8/31/56	389.74	8	55	10	55	P	P-Submrsbl	Plug at 55 ft		SURV/OPER
1-F7-2	36000	73700	D	3/31/88		6	30	15	30	S				
1-F8-1	31265	78536		8/31/60	405.86	8	57	13	53	P	P-Submrsbl			SURV/OPER
1-F8-2	31138	78661		8/31/60	410.74	8	52	10	52	P	Bailer			SURV
6-73-25	25000	73000				24						Filled in		
6-74-23	23330	74490		5/31/43	376.48	6	50					Silted in		
6-75-23A	23350	74590		5/31/43	379.07	6	35					Silted in		
6-75-23B	23370	74690		5/31/43	380.00	6	36					Silted in		
6-76-34	34000	76000	D		375.01	24	19					Filled in		
6-77-34	34275	76925			397.24	72	21					Filled in		
6-77-36	36150	76700		4/30/57	412.28	8	82	32	82	P	P-Submrsbl	Plug at 82 ft		SURV
6-78-36	36000	78000	D		405.00	48						Filled in		
6-82-34	34000	82000	D		400.00	12	54							
6-82-35	35000	82000	D		400.00	24						Filled in		
6-83-32	31611	82464			407.58	12								
6-83-36	36000	83000			418.63		42					Dug well		

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-84-33	33860	84489			393.10									
6-84-34A	34000	84000	D									Filled in		
6-84-34B	33705	84482		2/28/81	392.55	3	3328					3"casng to 1085		DC-14
6-84-35A	34996	83999		10/31/62	400.05	8	103	10	103	P				
6-84-35AO	34996	83999		5/31/65	400.33	2	103	10	103	P	Bailer			
6-84-35AP	34996	83999		6/30/63	400.28	2	338	325	338	P				
6-84-35AQ	34996	83999		6/30/63	400.28	2	281	255	281	P				
6-84-35AR	34996	83999		6/30/63	400.28	2	217	191	217	P				
6-84-35AS	34996	83999		6/30/63	400.28	2	153	127	153	P				
6-84-35B	35000	84000	D		400.00	24						Filled in		
6-84-36A	35700	84375			408.01	42						Filled in		
6-84-36B	36000	84000	D									Filled in		
6-84-36C	36000	83900	D									Filled in		
6-84-36D	36000	83800	D	4/30/74		6	35	29	30	P		4" liner		
6-84-36E	36000	83700	D	4/30/74		6	35	29	30	P		4" liner		
6-84-36F	36000	83600	D	4/30/74		6	35	29	30	P		4" liner		
6-84-37	37000	84000	D		410.00	48	28							
6-85-21	21000	85000	D		681.06	2								

Notes: Coordinates are Hanford Plant. "Qual" indicates quality of coordinate: D = dummy, no coordinate available; F = field checked, using new topographic base maps; and a blank means the coordinates are as listed in the Hanford Groundwater Data Base. Elevations are in feet above mean sea level. Casing diameter is in inches. Drilled depth and open intervals are in feet below ground surface. Types of open intervals are: P = perforated and S = screen. "Rehab'd" refers to the fitness-for-use evaluation described in Section 2.2 and shows the date of completion for the evaluation.

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

		CHEMICAL AND RADIOLOGICAL DATA					WATER LEVEL DATA		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
1-F1-1	5/31/43								
1-F2-1	5/31/43								
1-F2-2	5/31/43								
1-F2-3	5/31/43								
1-F2-4	5/31/43								
1-F2-5	5/31/43								
1-F5-1	9/30/48	6/01/55	2/28/90	89	175	619	10/31/52	6/04/91	157
1-F5-2	2/28/53	7/01/55	8/27/84	59	4	66			
1-F5-3	1/31/53	1/01/55	2/28/90	91	88	261	1/15/53	5/31/91	49
1-F5-4	2/28/53	6/01/55	3/05/90	79	167	745	7/16/65	3/05/90	39
1-F5-5	1/31/53	8/05/63	8/05/63	1	1	1			
1-F5-6	8/31/56	7/01/59	5/14/90	50	119	331	7/11/57	5/14/90	68
1-F5-7	4/30/58						5/29/58	12/11/61	15
1-F7-1	8/31/56	2/01/62	2/28/90	62	164	815	7/11/57	2/28/90	19
1-F7-2	3/31/88								
1-F8-1	8/31/60	1/18/62	2/28/90	101	170	842	7/16/65	2/28/90	47
1-F8-2	8/31/60	2/28/78	2/28/90	47	87	256	2/23/90	2/23/90	1
6-73-25									
6-74-23	5/31/43								
6-75-23A	5/31/43								
6-75-23B	5/31/43								
6-76-34									
6-77-34									
6-77-36	4/30/57	12/27/57	1/26/89	84	131	900	5/10/57	6/26/91	106
6-78-36									
6-82-34									
6-82-35									
6-83-32							7/17/73	12/01/80	21
6-83-36							7/12/73	7/15/75	15

Notes: (See end of table for explanation)

		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
6-84-33									
6-84-34A									
6-84-34B	2/28/81								
6-84-35A	10/31/62	1/17/63	12/07/76	27	2	38	10/23/62	12/01/83	58
6-84-35AO	5/31/65	1/08/71	1/26/89	44	5	78			
6-84-35AP	6/30/63						7/23/63	6/01/81	45
6-84-35AQ	6/30/63								
6-84-35AR	6/30/63								
6-84-35AS	6/30/63								
6-84-35B									
6-84-36A									
6-84-36B									
6-84-36C									
6-84-36D	4/30/74								
6-84-36E	4/30/74								
6-84-36F	4/30/74								
6-84-37									
6-85-21									

Notes: Sampling events are a count of the number of sampling dates listed in the Hanford Groundwater Data Base. Number of analytes is a count of the different U.S. Testing Corporation constituent codes listed for the well. Number of results is the total number of analytical results for all dates and constituent codes.

Notes: (See end of table for explanation)

12/02/91 TABLE 10-3: 100-F GEOLOGIC DATA INVENTORY Page 1

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
1-F1-1	5/31/43	41			
1-F2-1	5/31/43	31			
1-F2-2	5/31/43	30			Driller
1-F2-3	5/31/43	49			Driller
1-F2-4	5/31/43	63			Driller
1-F2-5	5/31/43	49			
1-F5-1	9/30/48	67	5-60		Driller
1-F5-2	2/28/53	100	5-100		Driller
1-F5-3	1/31/53	63	5-90		Driller
1-F5-4	2/28/53	80	5-110		Driller
1-F5-5	1/31/53	100	5-100		Driller
1-F5-6	8/31/56	170	5-190		Driller
1-F5-7	4/30/58	28			
1-F7-1	8/31/56	55	5-150		Driller
1-F7-2	3/31/88	30	4-30		Geologist
1-F8-1	8/31/60	57	5-55		Driller
1-F8-2	8/31/60	52	5-55		Driller
6-73-25					
6-74-23	5/31/43	50			
6-75-23A	5/31/43	35			
6-75-23B	5/31/43	36			
6-76-34		19			
6-77-34		21			
6-77-36	4/30/57	82		5-150	Driller
6-78-36					
6-82-34		54			
6-82-35					
6-83-32					
6-83-36		42			

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-84-33					
6-84-34A					
6-84-34B	2/28/81	3328			
6-84-35A	10/31/62	103	5-370	5-370	Driller
6-84-35AO	5/31/65	103	5-370	5-370	
6-84-35AP	6/30/63	338	5-370	5-370	
6-84-35AQ	6/30/63	281	5-370	5-370	
6-84-35AR	6/30/63	217	5-370	5-370	
6-84-35AS	6/30/63	153	5-370	5-370	
6-84-35B			5-370	5-370	Driller
6-84-36A					
6-84-36B					
6-84-36C					
6-84-36D	4/30/74	35			
6-84-36E	4/30/74	35			
6-84-36F	4/30/74	35			
6-84-37		28			
6-85-21					

Notes: Depths and intervals are in feet below the ground surface.

11.0 600 AREA

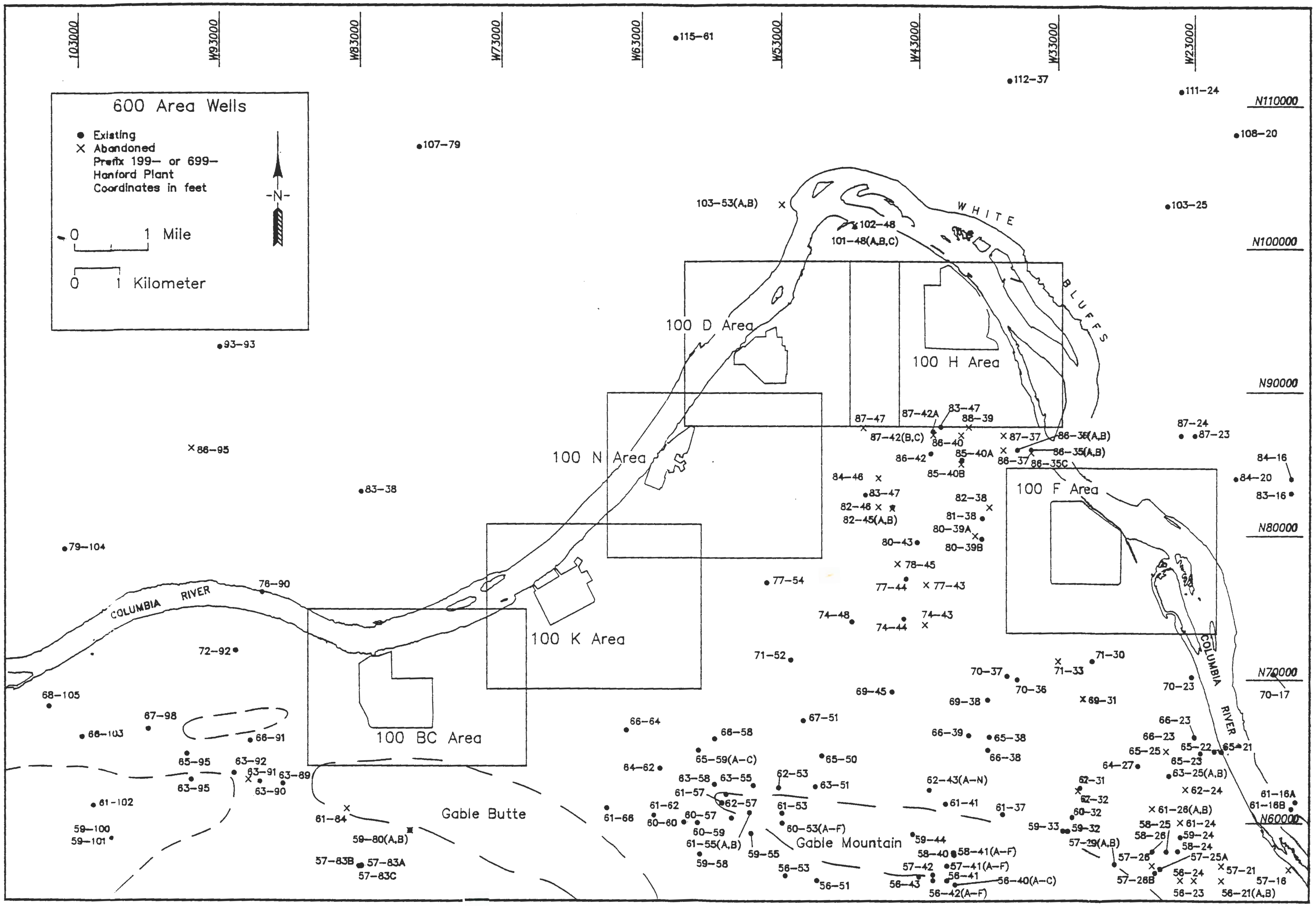

Figure 11-1. Well Location Map for the 600 Area.

THIS PAGE INTENTIONALLY
LEFT BLANK

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-101-48A	47884	101470		5/31/43	389.29	6	49	43	47	S				
6-101-48B	47787	101450		5/31/43	390.15	6	43	43	43	S	P-Submrsbl			
6-101-48C	47985	101480		5/31/43	388.59	6	55	43	47	S				
6-102-48	47790	101550		5/31/43	390.00	6						Casing removed		
6-103-25	25000	103000	D	12/31/80	675.94		378							
6-103-53A	53000	103000	D		433.00	5						Filled in		
6-103-53B	53000	102900	D		450.00	36						Filled in		
6-105-1	1000	105000	D		824.00	6	550					Stock well		
6-107-79	78890	107000		5/31/52	659.02	20	938							
6-108-20	20000	108000	D		685.00		630					Army well		
6-111-24	24000	111000		2/28/52	699.14	20	631	244	354	P		Army well		
6-112-37	36569	111740		11/30/53	741.82	16	1140	876	879	P		Army well		
6-114-11	11000	114000	D	12/31/66	836.00		95							
6-114-127	127080	114110		2/28/72	935.79	2	5002							DH-5
6-115-61	60557	114630		12/31/53	790.60	16	880					Army well		
6-115-7	7238	115430		11/30/71	936.78	2	4776							DH-4
6-117-11	11000	117000	D	12/31/66	910.00		910							
6-118-87	87000	118000	D		922.00	6	662							
6-119-11	11000	119000	D	12/31/66			63							DH-3
6-122-11	11000	122000	D	12/31/66			59							
6-56-21A	21000	56000	D		396.02							Filled in		
6-56-21B	21000	55900	D		397.57	60						Filled in		
6-56-23	23000	56000	D		401.51	36						Filled in		
6-56-24	24000	56000	D		409.95	60						Filled in		
6-56-26B	25810	56486		6/30/75	414.61	6	81	68	78	P				
6-56-40A	40425	55696		1/31/81	567.08	6	225							
6-56-40B	40465	56108		3/31/81	643.70	6	70							
6-56-40C	40000	56000	D	3/31/81	611.90	6	418							
6-56-41	41000	56000	D	2/28/81	591.20	6	412							

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-56-42A	42000	56000	D	1/31/81	532.10	6	245							
6-56-42B	42000	55900	D	2/28/81	543.90	6	250							
6-56-42C	42000	55800	D	2/28/81	527.10	6	354							
6-56-42D	42000	55700	D	4/30/81	559.90	6	670					4"PVC to 670 ft		
6-56-42E	42000	55600	D	5/31/81	538.10	6	700					4"PVC to 700 ft		
6-56-42F	42000	55500	D	6/30/81	524.70	8	520					4"PVC to 520 ft		
6-56-43	43048	56261		6/30/71	540.42	6	154	130	155	S	Bailer	Perf 130-137		
6-56-51	50500	56000		7/31/84		10	105	55	105	S				
6-56-53	52779	56343		3/31/82	434.34	8	270	190	270	P	Bailer	10"liner to 104		OPER
6-57-16	16159	56772		9/30/43	384.32	24		25	35	P		Filled in		
6-57-21	21000	57000	D		410.00	48	57					Filled in		
6-57-25A	25477	56755		7/31/71	414.57	6	64	52	80	P	P-Submrsbl			
6-57-25B	25490	56755		6/30/75	415.00	6	81							
6-57-26	26000	57000	D		412.00	36		50	65	P		Filled in		
6-57-29A	28732	57100		10/31/44	408.47	8	68	50	65	P	P-Submrsbl			
6-57-29B	28686	57108		6/30/75	416.18	6	81	60	80	P				
6-57-41A	41000	57000	D	5/31/81	704.20	8	173							
6-57-41B	41000	56900	D	5/31/81	707.30	8	459					4"PVC to 460 ft		
6-57-41C	41000	56800	D	12/31/81	705.00	6								
6-57-41D	41000	56700	D	4/30/81	705.20	6	301					4"PVC to 270 ft		
6-57-41E	41000	56600	D	6/30/81	695.00	6	119							
6-57-41F	41000	56500	D	6/30/81		6	608							
6-57-42	42000	56400	D	4/30/81	660.00	8	394							
6-57-83A	82993	57020		12/31/60	577.96	8	200	145	200	P	P-Submrsbl	Plug at 200 ft		
6-57-83AO	82993	57020		4/30/65	578.21	2	170	140	170	P		Removed		
6-57-83AP	82993	57020		6/30/64	578.21	2	355	335	355	P		Removed		
6-57-83AQ	82993	57020		6/30/64	578.21	2	292	270	290	P		Removed		
6-57-83AR	82993	57020		6/30/64	578.21	2	232	210	230	P		Removed		
6-57-83B	83178	56979		8/31/85	579.59		2770							
6-57-83C	83000	57000	D	4/30/86			3532							

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-58-24	24181	58012		7/31/71	418.80	6	61	45	60	S	Bailer			
6-58-25	25000	58000	D			4						Dug well		
6-58-26	26000	58000	D			4						Dug well		
6-58-40	40484	57764		12/31/80	743.13	3	249					Uncased		
6-58-41A	40520	57953		12/31/80	707.46	6	21							
6-58-41B	40575	57988		12/31/80	701.18	6	70							
6-58-41C	41000	58000	D	11/30/80	699.30	6	103							
6-58-41D	40703	58071		12/31/80	699.43	6	78					4"PVC to 30 ft		
6-58-41E	41000	57900	D	3/31/81	698.60	6	387					4"PVC to 390 ft		
6-58-41F	41000	57800	D	5/31/81	696.80	10	262					4"PVC to 600 ft		
6-59-100	100660	58919			580.00									
6-59-101	100660	58919		3/31/76	580.00	8	122							
6-59-24	24000	59000	D		397.95	12	33					Farm well		
6-59-32	32378	59424		7/31/71	424.29	6	74			S	P-Submrsbl			
6-59-33	32679	59439			404.52	2	45	41	44	P		Well point		
6-59-44	43514	59231		12/31/80	757.76	6	70							
6-59-55	55217	59276		12/31/76	431.88	8	150							DH-10
6-59-58	57763	58859		7/31/72	497.77	6	104	85	100	S	P-Submrsbl			
6-59-80A	79548	59445		7/31/48	581.20	8	95					Abandoned		
6-59-80B	79548	59453		8/31/48	583.25	8	183	152	184	P	Bailer	Plug at 183 ft		
6-60-32	32032	60390		7/31/71	425.30	6	85			S	P-Submrsbl			
6-60-53A	53000	60000	D	12/31/80	820.00									
6-60-53B	53000	59900	D	12/31/80	820.00									
6-60-53C	53000	59800	D	12/31/80	820.00									
6-60-53D	53000	59700	D	12/31/80	820.00									
6-60-53E	53000	59600	D	12/31/80	820.00									
6-60-53F	52760	60334		12/31/80	820.00									
6-60-57	56612	60350		7/31/72	469.64	8	154	55	142	S	P-Submrsbl			
6-60-59	59000	60000	D									Not in Han. W.		DC-18
6-60-60	59964	60030		6/30/48	512.03	8	110	100	110	P	Bailer	Plug at 110 ft		

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-60-60P	59964	60030		6/30/77	512.03	2	125	120	125	S				
6-61-102	102100	61207			653.49	6								
6-61-16A	15673	61467		2/28/50	412.52	8	607	122	213	P				
6-61-16B	16000	61000	D		408.00	5	81							
6-61-24	24000	61000	D		390.00	48						Filled in		
6-61-26A	26250	61050		3/31/43	410.00	6						Casing removed		
6-61-26B	26000	61000	D		410.00	48	51					Filled in		
6-61-37	37043	60618		7/31/71	442.94	6	76	60	64	P	P-Submrsbl	Screen 71-76 ft		
6-61-41	41118	61355		7/31/71	428.92	6	52	30	40	P	P-Submrsbl			
6-61-53	53026	60693		1/31/78	763.80	3	385							DC-11
6-61-55A	55339	60718		3/31/76	461.52	4	234							DH-8A
6-61-55B	55286	60724			455.40	6	250							DH-8B
6-61-57	57281	61410		9/30/77	441.85	4	589	490	589	S				
6-61-62	62217	60532		6/30/72	497.51	8	179	86	100	P	P-Submrsbl	Plug at 179 ft		
6-61-66	65626	61062		6/30/55	522.18	8	164	105	160	P	P-Submrsbl	Plug at 165 ft		
6-61-84	84000	61000	D	9/30/43	570.00	12	111					Filled in		
6-62-24	23625	62350			386.70	60	44					Filled in		
6-62-31	31412	62454		7/31/71	434.12	6	84	74	84	S	P-Submrsbl			SURV
6-62-32	31575	62250			431.82	60	75					Filled in		
6-62-43A	42880	61938		6/30/44	432.30	8	59	55	65	P				
6-62-43B	42880	62338		3/31/54	421.46	12	68							
6-62-43C	42680	62338		3/31/54	429.66	8	52	38	52	P				
6-62-43D	42630	62338		3/31/54	428.56	8	54	37	54	P				
6-62-43E	42651	62356		8/31/59	421.82	8	83	35	75	P				
6-62-43F	42718	62324		8/31/59	423.34	8	81	25	73	P	P-Submrsbl			
6-62-43G	42748	62368		8/31/59	419.95	8	75	33	73	P				
6-62-43H	42755	62279		8/31/59	427.41	8	90	40	80	P				
6-62-43I	42752	62332		8/31/59	421.90	8	79	28	68	P				
6-62-43J	42787	62340		9/30/59	422.05	8	80	29	69	P				
6-62-43K	42722	62289		9/30/59	428.44	8	74	33	73	P				

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-62-43L	42809	62337		9/30/59	420.53	12	75	28	75	P				
6-62-43M	42769	62305		10/31/59	424.49	8	78	30	70	P				
6-62-43N	42790	62317		10/31/59	422.09	8	69	14	54	P				
6-62-53	53244	62468		12/31/77	438.40	3	456							DC-10
6-62-57	57000	62000	D		441.88									DB-9
6-63-25A	24806	63312		8/31/49	395.15	8	100	28	96	P	P-Submrsbl			SURV
6-63-25B	24600	63200		1/31/67	385.00	6	50							
6-63-51	50622	62557		7/31/71	424.54	6	36	18	31	P	P-Submrsbl			
6-63-55	55061	62616		7/31/72	426.54	6	65	23	65	P	P-Submrsbl	Plug at 65 ft		SURV
6-63-58	57789	62691		7/31/72	491.90	8	130	80	120	S	P-Submrsbl			SURV
6-63-89	88504	62751		4/30/73	512.40	6	218					Basalt well		
6-63-90	90264	62892		12/31/48	509.73	8	160	95	147	P	P-Submrsbl	Plug at 160 ft	8/21/91	
6-63-91	91000	63000	D	12/31/75		6						Casing removed		
6-63-92	92042	63467		4/30/73	497.50	6	120					Basalt well		
6-63-95	95020	63009		4/30/73	484.20	4	707							DB-12
6-64-27	27000	64000	D		414.29	6	81	50	74	P	P-Submrsbl			SURV
6-64-62	61746	63786		6/30/72	500.25	6	113	90	110	S	P-Submrsbl			SURV
6-65-114A	113930	64770		12/31/49	462.10	8	185							
6-65-114B	114450	65300		12/31/53	461.40	10	102							
6-65-21	21000	65000			391.10									
6-65-22	21528	65006			391.10	48	32							
6-65-23	22542	64883			387.93	54	25				Bailer			
6-65-25	25000	65000	D		391.01	4	26					Filled in		
6-65-38	37991	66002		6/30/60	433.58	2	33					Well point		
6-65-50	50146	64699		8/31/55	467.06	8	125	55	125	P	P-Submrsbl	Plug at 125 ft		
6-65-59A	58931	65050		11/30/58	506.96	8	139	100	125	P	P-Submrsbl	Plug at 145 ft		SURV
6-65-59AP	58931	65050			507.20	2	190	170	190	P		Casing removed		
6-65-59B	58940	65060		4/30/76	506.00	12	175	100	175	P				
6-65-59C	58940	65050		5/31/76	506.00	6	140	100	140	P				
6-65-95	95341	64788		4/30/73	452.26	6	104					Basalt well		

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-66-103	102780	65980		1/31/44	463.01	12	124				Bailer	Plug at 124 ft		
6-66-114	113980	65600		12/31/52	463.20	10	132							
6-66-23	22997	65994		10/31/61	389.01	8	80	20	80	P	P-Submrsbl	Plug at 80 ft		SURV
6-66-23P	22997	65994		9/30/63	389.27	2	81	80	81	P		Casing removed		
6-66-38	38000	66000		10/31/62	436.20	8	75	29	75	P	P-Submrsbl	Plug at 75 ft		
6-66-38O	38000	66000		5/31/65	436.46	2	60					Casing removed		
6-66-38P	38000	66000		9/30/63	436.46	2	125					Casing removed		
6-66-38Q	38000	66000		9/30/63	436.46	2	110	90	110	P		Casing removed		
6-66-39	39459	66099		7/31/71	453.70	6	88	38	65	P	P-Submrsbl	Plug at 88 ft		
6-66-58	57768	65807		7/31/72	503.33	6	114	93	112	S	P-Submrsbl			SURV
6-66-64	64249	66483		6/30/72	505.92	6	120	96	116	S	P-Submrsbl		9/16/91	
6-66-91	90879	65708		5/31/73	467.75	6	138					Basalt well	9/11/91	
6-67-51	51490	67103		1/31/61	524.59	8	170	100	170	P	P-Submrsbl	Plug at 170 ft		
6-67-51P	51490	67103		5/31/77	523.09	2	235	230	235	S				
6-67-51Q	51490	67103		5/31/77	524.59	2	194	184	194	S				
6-67-98	98000	66501		10/31/60	455.47	8	110	50	110	P	P-Submrsbl	Plug at 110 ft		
6-68-105	105210	68139		12/31/52	451.85	8	89	45	88	P	Bailer			
6-69-31	31200	68650			383.65	72						Filled in		
6-69-38	38090	68592			422.93	30	30				Bailer	Dug well		
6-69-45	44995	69129		1/31/61	486.94	8	148	80	148	P				
6-69-45O	44995	69129		4/30/64	487.18	2	117	97	117	P				
6-69-45P	44995	69129		3/31/62	487.17	2	265	255	265	P				
6-69-45Q	44995	69129		3/31/62	487.17	2	235	210	235	P				
6-69-45R	44995	69129		3/31/62	487.17	2	178	153	178	P				
6-70-17	17320	70387		3/31/80	884.50	4	776							DH-19
6-70-23	23227	70191			391.71	60	29							
6-70-36	36000	70000	D		390.00	2						Well point		
6-70-37	36740	70243		6/30/60	386.69	2	15					Well point		
6-71-30	30400	71300		4/30/57	400.68	8	80	25	80	P	P-Submrsbl	Plug at 80 ft		
6-71-33	33025	71275		3/31/43	399.50	10	25					Filled in		

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-71-52	52368	71310		7/31/54	523.04	8	147	120	147	P	P-Submrsbl	Plug at 147 ft		
6-72-92	91963	71890		9/30/61	452.22	8	90	44	90	P	P-Submrsbl	Plug at 90 ft	8/24/91	
6-72-92O	91963	71890		5/31/65	452.48	2	86					Casing removed		
6-72-92P	91963	71890		8/31/63	452.48	2	183	165	185	P		Casing removed		
6-72-92Q	91963	71890		8/31/63	452.48	2	136	117	136	P		Casing removed		
6-72-98	98300	72100			454.19	42	56					Dug well		
6-74-43	42600	73800			422.87	48	25					Filled in		
6-74-44	44200	74200		5/31/57	445.18	8	67	17	67	P	P-Submrsbl	Plug at 67 ft		
6-74-48	48000	74000		10/31/62	487.18	8	100	80	147	P				
6-74-48O	48000	74000		5/31/65	487.44	2	100	80	100	P		Casing removed		
6-74-48P	48000	74000		9/30/63	487.44	2	128	110	128	P		Casing removed		
6-76-90	90000	76000	D		414.00	36	41					Dug well		
6-77-43	42500	76600			441.37	72	44					Filled in		
6-77-44	44000	77000	D											
6-77-54	54100	76700		5/31/57	480.59	8	118	70	118	P	P-Submrsbl	Plug at 120 ft	9/16/91	
6-78-45	44625	78050			432.00	60						Filled in		
6-79-104	104000	79000	D	2/28/53	774.00	16	703	429	678	P				
6-80-11	11000	80000	D		736.50		106							
6-80-2	2000	80000	D		775.00	8						Filled in		
6-80-39A	39000	80000	D		400.00	60	22					Filled in		
6-80-39B	38544	79801		2/28/44	404.54	16	53							
6-80-43P	43176	79538		12/31/65	413.58	2	447	437	447	S	Bailer			
6-80-43Q	43178	79588		12/31/65	412.69	2	230	212	230	S	Bailer			
6-80-43R	43180	79638		12/31/65	412.77	2	140	116	140	S	Bailer			
6-80-43S	43182	79685		12/31/65	412.52	2	50	30	50	S	Bailer			
6-81-38	38353	81312			406.47	72	34							
6-81-5	5000	81000	D		740.17		53							
6-82-38	38000	82000	D	12/31/48	413.00	16	254					Filled in		
6-82-45A	45000	82000	D		413.73	10	26					Concrete casing		
6-82-45B	45000	81900	D		419.00	96						Filled in		

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-82-46	46000	82000	D		415.00	36						Filled in		
6-83-11	11000	83000	D		736.85		99							
6-83-16	16000	83000	D		731.92		112							
6-83-38	83000	83000	D		406.47									
6-83-47	47100	82850		4/30/57	435.27	8	85	35	85	P	P-Submrsbl	Plug at 85 ft		
6-83-5	5000	83000	D		750.00	8	415							
6-84-16	16000	84000	D		721.86		116							
6-84-20	20000	84000	D		676.01	2	96							
6-84-46	46000	84000	D			48						Filled in		
6-85-11	11000	85000	D		733.75		91							
6-85-40A	39846	85478			412.38	12	44							
6-85-40B	40000	85000	D		405.01	48	36					Filled in		
6-86-11	11000	86000	D		728.37		60							
6-86-35A	35000	86000	D			24	41							
6-86-35B	35000	85900	D			18								
6-86-35C	35000	85800	D			48						Filled in		
6-86-36A	36000	86000	D	12/31/84		8	190					Shot hole		
6-86-36B	36000	85900	D	12/31/84		8	150					Shot hole		
6-86-37	37000	86000	D		400.00	60						Filled in		
6-86-42	42135	85693			409.92	72	33					Dug well		
6-86-95	95000	86000	D			24		492	503	P		Not located		
6-87-2	2000	87000	D		820.00	8	500							
6-87-23	23000	87000	D				70							
6-87-24	24000	87000	D			2	68							
6-87-37	37000	87000	D		410.00	48	42					Filled in		
6-87-40	40000	87000	D		410.00	60	43					Filled in		
6-87-42A	42331	87187			416.53	12	39					Dug well		
6-87-42B	42000	87000	D		410.00	78	45					Filled in		
6-87-42C	42000	86900	D		410.00	63	36					Filled in		
6-87-47	47150	87475			405.01	60	28					Filled in		

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

Well Number	Plant West	Plant North	Qual	Completion Date	Casing Elev	Casing Diam	Drilled Depth	Open Min	Open Max	Open Type	Sampler	Comments	Rehab'd	User Program
6-88-39	39475	87550			414.01	72	27					Filled in		
6-88-41	41454	87575			416.04	12	38							
6-92-14	14000	92000		11/30/53	862.01	12	328	139	328	P		Army camp well		
6-93-93	93000	93000	D	5/31/53	637.01	20	515	262	515	P				
6-HAN-7	16159	56772		9/30/43	384.32	24	42	25	35	P		Filled in		

Notes: Coordinates are Hanford Plant. "Qual" indicates quality of coordinate: D = dummy, no coordinate available; F = field checked, using new topographic base maps; and a blank means the coordinates are as listed in the Hanford Groundwater Data Base. Elevations are in feet above mean sea level. Casing diameter is in inches. Drilled depth and open intervals are in feet below ground surface. Types of open intervals are: P = perforated and S = screen. "Rehab'd" refers to the fitness-for-use evaluation described in Section 2.2 and shows the date of completion for the evaluation.

Notes: (See end of table) Hanford coordinates (feet); elevation and depth (feet): diameter (inches). D = dummy; F = field checked; P = perforated; S = Screen

TABLE 11-2: 600 AREA GROUNDWATER DATA

Well Number	Completion Date	CHEMICAL AND RADIOLOGICAL DATA: Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	WATER LEVEL DATA: Earliest Measurement	Most Recent Measurement	Number of Measurements
6-101-48A	5/31/43						7/12/73	7/15/75	6
6-101-48B	5/31/43	10/10/73	11/01/89	40	119	464	7/12/73	6/05/91	9
6-101-48C	5/31/43								
6-102-48	5/31/43								
6-103-25	12/31/80								
6-103-53A									
6-103-53B									
6-105-1									
6-107-79	5/31/52								
6-108-20									
6-111-24	2/28/52								
6-112-37	11/30/53								
6-114-11	12/31/66								
6-114-127	2/28/72								
6-115-61	12/31/53	10/11/72	4/03/74	4	3	8	12/08/76	6/20/90	2
6-115-7	11/30/71								
6-117-11	12/31/66								
6-118-87									
6-119-11	12/31/66								
6-122-11	12/31/66								
6-56-21A									
6-56-21B									
6-56-23									
6-56-24									
6-56-26B	6/30/75						12/03/75	6/01/80	9
6-56-40A	1/31/81								
6-56-40B	3/31/81								
6-56-40C	3/31/81								
6-56-41	2/28/81								

Notes: (See end of table for explanation)

Well Number	Completion Date	CHEMICAL AND RADIOLOGICAL DATA: Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	WATER LEVEL DATA: Earliest Measurement	Most Recent Measurement	Number of Measurements
6-56-42A	1/31/81								
6-56-42B	2/28/81								
6-56-42C	2/28/81								
6-56-42D	4/30/81								
6-56-42E	5/31/81								
6-56-42F	6/30/81								
6-56-43	6/30/71	1/23/79	5/01/90	43	11	99	9/08/71	6/10/91	41
6-56-51	7/31/84	10/03/84	9/08/87	14	5	38			
6-56-53	3/31/82	4/18/86	5/02/90	16	24	58	6/03/82	6/10/91	472
6-57-16	9/30/43								
6-57-21									
6-57-25A	7/31/71	2/25/78	11/02/87	39	5	78	9/08/71	6/06/91	37
6-57-25B	6/30/75								
6-57-26									
6-57-29A	10/31/44	3/22/62	4/26/90	31	75	206	12/20/48	1/30/91	140
6-57-29B	6/30/75						12/03/75	6/26/91	28
6-57-41A	5/31/81								
6-57-41B	5/31/81								
6-57-41C	12/31/81								
6-57-41D	4/30/81								
6-57-41E	6/30/81								
6-57-41F	6/30/81								
6-57-42	4/30/81								
6-57-83A	12/31/60	4/27/61	12/22/87	80	5	80	12/07/60	6/06/91	81
6-57-83AQ	4/30/65						12/07/77	6/01/82	9
6-57-83AP	6/30/64								
6-57-83AQ	6/30/64								
6-57-83AR	6/30/64								
6-57-83B	8/31/85						12/08/89	12/12/90	15
6-57-83C	4/30/86						12/08/89	6/10/91	7

Notes: (See end of table for explanation)

Well Number	Completion Date	CHEMICAL AND RADIOLOGICAL DATA: Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	WATER LEVEL DATA: Earliest Measurement	Most Recent Measurement	Number of Measurements
6-58-24	7/31/71	5/31/78	11/08/87	33	5	66	9/10/71	6/06/91	53
6-58-25									
6-58-26									
6-58-40	12/31/80								
6-58-41A	12/31/80								
6-58-41B	12/31/80								
6-58-41C	11/30/80								
6-58-41D	12/31/80								
6-58-41E	3/31/81								
6-58-41F	5/31/81								
6-59-100									
6-59-101	3/31/76								
6-59-24							8/15/73	10/18/74	4
6-59-32	7/31/71	9/26/72	11/08/87	46	5	84	9/08/71	6/26/91	58
6-59-33		9/18/67	9/19/85	10	2	11	4/13/61	7/07/75	42
6-59-44	12/31/80								
6-59-55	12/31/76						6/01/84	6/10/91	420
6-59-58	7/31/72	2/01/73	4/27/90	80	58	268	10/05/72	6/10/91	81
6-59-80A	7/31/48	11/01/51	3/01/54	8	1	8			
6-59-80B	8/31/48	2/01/55	4/30/90	104	10	122	11/26/48	6/06/91	192
6-60-32	7/31/71	9/26/72	11/08/87	45	5	82	9/08/71	6/26/91	58
6-60-53A	12/31/80								
6-60-53B	12/31/80								
6-60-53C	12/31/80								
6-60-53D	12/31/80								
6-60-53E	12/31/80								
6-60-53F	12/31/80								
6-60-57	7/31/72	2/01/73	4/27/90	65	44	174	10/05/72	4/27/90	200
6-60-59							3/27/90	6/10/91	6
6-60-60	6/30/48	11/01/51	5/16/90	120	36	234	12/20/48	6/10/91	227

Notes: (See end of table for explanation)

Well Number	Completion Date	CHEMICAL AND RADIOLOGICAL DATA: Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	WATER LEVEL DATA: Earliest Measurement	Most Recent Measurement	Number of Measurements
6-60-60P	6/30/77						6/01/84	8/09/85	30
6-61-102									
6-61-16A	2/28/50								
6-61-16B									
6-61-24							7/17/73	4/21/74	7
6-61-26A	3/31/43								
6-61-26B									
6-61-37	7/31/71	2/23/78	4/03/89	43	8	67	9/08/71	6/26/91	59
6-61-41	7/31/71	5/31/78	4/03/89	43	8	94	9/08/71	6/26/91	58
6-61-53	1/31/78								
6-61-55A	3/31/76								
6-61-55B							6/20/90	6/20/90	1
6-61-57	9/30/77						6/20/90	6/20/90	1
6-61-62	6/30/72	9/18/67	1/04/90	69	50	219	10/05/72	6/10/91	84
6-61-66	6/30/55	6/01/55	1/04/90	88	14	192	8/31/55	6/10/91	117
6-61-84	9/30/43								
6-62-24									
6-62-31	7/31/71	9/26/72	4/03/89	52	5	53	9/08/71	6/26/91	57
6-62-32		6/01/55	5/12/72	17	3	17	3/15/49	4/12/73	133
6-62-43A	6/30/44	11/14/57	2/25/83	22	4	31	12/20/48	6/26/91	163
6-62-43B	3/31/54								
6-62-43C	3/31/54						6/14/54	1/08/65	34
6-62-43D	3/31/54								
6-62-43E	8/31/59								
6-62-43F	8/31/59	6/11/71	11/08/87	53	43	129	8/16/65	6/01/82	47
6-62-43G	8/31/59	1/13/77	1/13/77	1	12	12			
6-62-43H	8/31/59	5/25/61	5/25/61	1	1	1			
6-62-43I	8/31/59								
6-62-43J	9/30/59								
6-62-43K	9/30/59								

Notes: (See end of table for explanation)

Well Number	Completion Date	CHEMICAL AND RADIOLOGICAL DATA: Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	WATER LEVEL DATA: Earliest Measurement	Most Recent Measurement	Number of Measurements
6-62-43L	9/30/59								
6-62-43M	10/31/59								
6-62-43N	10/31/59								
6-62-53	12/31/77								
6-62-57									
6-63-25A	8/31/49	12/27/57	12/06/89	76	10	138	11/08/56	6/04/91	90
6-63-25B	1/31/67	5/24/71	1/22/74	13	1	13			
6-63-51	7/31/71	10/30/74	11/08/87	33	5	66	9/08/71	6/26/91	58
6-63-55	7/31/72	2/02/73	12/08/89	64	7	138	10/05/72	1/30/91	25
6-63-58	7/31/72	2/01/73	12/08/89	74	13	195	10/05/72	6/10/91	85
6-63-89	4/30/73						7/05/73	6/01/80	35
6-63-90	12/31/48	11/01/51	4/19/89	102	23	242	1/09/49	6/11/91	321
6-63-91	12/31/75								
6-63-92	4/30/73						8/13/73	6/11/91	51
6-63-95	4/30/73						8/13/73	6/01/80	84
6-64-27		1/17/63	1/19/89	51	20	104	1/08/63	6/04/91	51
6-64-62	6/30/72	2/01/73	4/04/89	66	13	163	10/05/72	6/10/91	49
6-65-114A	12/31/49								
6-65-114B	12/31/53								
6-65-21							7/11/73	1/08/75	9
6-65-22		5/23/78	5/23/78	1	2	2	7/11/73	4/11/89	31
6-65-23		8/11/78	1/19/89	11	4	21	7/11/73	6/01/84	12
6-65-25									
6-65-38	6/30/60	11/07/78	5/18/81	4	2	8	4/13/61	12/01/81	36
6-65-50	8/31/55	2/01/56	12/08/89	98	10	188	8/31/55	6/26/91	120
6-65-59A	11/30/58	2/01/59	4/04/89	90	14	199	10/11/58	6/14/91	89
6-65-59AP									
6-65-59B	4/30/76								
6-65-59C	5/31/76								
6-65-95	4/30/73						10/15/73	6/11/91	100

Notes: (See end of table for explanation)

Well Number	Completion Date	CHEMICAL AND RADIOLOGICAL DATA: Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	WATER LEVEL DATA: Earliest Measurement	Most Recent Measurement	Number of Measurements
6-66-103	1/31/44	5/24/71	1/05/90	33	13	96	3/21/49	6/11/91	175
6-66-114	12/31/52								
6-66-23	10/31/61	3/22/62	10/25/89	55	43	94	12/04/61	6/04/91	69
6-66-23P	9/30/63								
6-66-38	10/31/62	1/17/63	12/07/89	69	6	69	10/23/62	6/26/91	65
6-66-38O	5/31/65						12/08/76	12/01/80	8
6-66-38P	9/30/63								
6-66-38Q	9/30/63								
6-66-39	7/31/71	9/26/72	12/07/89	51	4	51	9/10/71	6/26/91	51
6-66-58	7/31/72	7/31/63	10/24/89	68	13	172	10/05/72	6/14/91	44
6-66-64	6/30/72	2/02/73	10/23/89	70	26	234	10/05/72	6/11/91	42
6-66-91	5/31/73						10/15/73	6/11/91	35
6-67-51	1/31/61	4/27/61	10/31/89	91	7	157	2/13/61	6/26/91	80
6-67-51P	5/31/77								
6-67-51Q	5/31/77								
6-67-98	10/31/60	8/01/63	10/23/89	63	65	193	12/09/60	6/11/91	124
6-68-105	12/31/52	6/03/71	3/23/89	33	8	76	12/26/62	6/11/91	47
6-69-31									
6-69-38		6/01/55	10/24/89	71	16	143	3/16/51	6/26/91	148
6-69-45	1/31/61	4/27/61	8/05/76	31	3	44	2/03/61	6/07/90	68
6-69-45O	4/30/64						12/08/76	6/26/91	19
6-69-45P	3/31/62								
6-69-45Q	3/31/62								
6-69-45R	3/31/62								
6-70-17	3/31/80								
6-70-23							7/11/73	6/04/91	40
6-70-36									
6-70-37	6/30/60						4/05/61	7/07/75	40
6-71-30	4/30/57	12/27/57	10/26/89	64	118	493	5/10/57	6/06/91	110
6-71-33	3/31/43								

Notes: (See end of table for explanation)

Well Number	Completion Date	CHEMICAL AND RADIOLOGICAL DATA: Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	WATER LEVEL DATA: Earliest Measurement	Most Recent Measurement	Number of Measurements
6-71-52	7/31/54	10/01/54	10/24/89	84	158	595	4/19/55	6/14/91	129
6-72-92	9/30/61	9/15/61	1/18/89	50	7	93	9/19/61	6/11/91	72
6-72-92O	5/31/65						12/07/77	6/01/82	9
6-72-92P	8/31/63								
6-72-92Q	8/31/63								
6-72-98		8/20/66	6/10/86	13	4	24	9/03/58	6/01/84	44
6-74-43									
6-74-44	5/31/57	1/30/58	11/09/89	81	128	545	5/24/57	6/26/91	101
6-74-48	10/31/62	1/17/63	7/05/77	25	13	61	10/22/62	6/26/91	61
6-74-48O	5/31/65								
6-74-48P	9/30/63								
6-76-90									
6-77-43									
6-77-44									
6-77-54	5/31/57	1/30/58	11/09/89	79	169	325	6/07/57	6/14/91	119
6-78-45									
6-79-104	2/28/53						12/08/76	12/08/76	1
6-80-11									
6-80-2									
6-80-39A									
6-80-39B	2/28/44								
6-80-43P	12/31/65	1/08/71	5/06/90	29	30	65	3/01/66	6/01/80	34
6-80-43Q	12/31/65	1/29/76	5/06/90	19	30	55			
6-80-43R	12/31/65	1/29/76	5/06/90	20	30	56			
6-80-43S	12/31/65	1/08/71	5/06/90	47	30	93	3/01/66	6/01/82	45
6-81-38							7/12/73	6/26/91	40
6-81-5									
6-82-38	12/31/48								
6-82-45A							7/11/73	6/17/91	42
6-82-45B									

Notes: (See end of table for explanation)

Well Number	Completion Date	CHEMICAL AND RADIOLOGICAL DATA: Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	WATER LEVEL DATA: Earliest Measurement	Most Recent Measurement	Number of Measurements
6-82-46									
6-83-11									
6-83-16									
6-83-38									
6-83-47	4/30/57	1/30/58	3/16/89	56	180	714	6/07/57	6/04/91	105
6-83-5									
6-84-16									
6-84-20									
6-84-46									
6-85-11									
6-85-40A							7/17/73	11/04/86	54
6-85-40B									
6-86-11									
6-86-35A									
6-86-35B									
6-86-35C									
6-86-36A	12/31/84								
6-86-36B	12/31/84								
6-86-37									
6-86-42							7/12/73	6/27/91	41
6-86-95									
6-87-2		8/03/65	8/24/65	2	1	2			
6-87-23									
6-87-24									
6-87-37									
6-87-40									
6-87-42A		1/11/71	9/11/80	18	3	29	10/19/72	7/07/75	16
6-87-42B									
6-87-42C									
6-87-47									

Notes: (See end of table for explanation)

		<---------- CHEMICAL AND RADIOLOGICAL DATA ---------->					<--------- WATER LEVEL DATA --------->		
Well Number	Completion Date	Earliest Sample Date	Most Recent Sample Date	Sampling Events	Number of Analytes	Number of Results	Earliest Measurement	Most Recent Measurement	Number of Measurements
6-88-39									
6-88-41							7/23/63	7/26/91	177
6-92-14	11/30/53	6/08/83	7/23/84	5	2	5			
6-93-93	5/31/53						6/15/76	12/15/76	3
6-HAN-7	9/30/43								

Notes: Sampling events are a count of the number of sampling dates listed in the Hanford Groundwater Data Base. Number of analytes is a count of the different U.S. Testing Corporation constituent codes listed for the well. Number of results is the total number of analytical results for all dates and constituent codes.

Notes: (See end of table for explanation)

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-101-48A	5/31/43	49			Driller
6-101-48B	5/31/43	43			Driller
6-101-48C	5/31/43	55			Driller
6-102-48	5/31/43				Driller
6-103-25	12/31/80	378			
6-103-53A					
6-103-53B					
6-105-1		550			
6-107-79	5/31/52	938			
6-108-20		630			
6-111-24	2/28/52	631			
6-112-37	11/30/53	1140			
6-114-11	12/31/66	95			
6-114-127	2/28/72	5002			
6-115-61	12/31/53	880			
6-115-7	11/30/71	4776			
6-117-11	12/31/66	910			
6-118-87		662			
6-119-11	12/31/66	63			
6-122-11	12/31/66	59			
6-56-21A					
6-56-21B					
6-56-23					
6-56-24					
6-56-26B	6/30/75	81			
6-56-40A	1/31/81	225			
6-56-40B	3/31/81	70			
6-56-40C	3/31/81	418			
6-56-41	2/28/81	412			

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-56-42A	1/31/81	245			
6-56-42B	2/28/81	250			
6-56-42C	2/28/81	354			
6-56-42D	4/30/81	670			
6-56-42E	5/31/81	700			
6-56-42F	6/30/81	520			
6-56-43	6/30/71	154			
6-56-51	7/31/84	105			
6-56-53	3/31/82	270			
6-57-16	9/30/43				
6-57-21		57			
6-57-25A	7/31/71	64			
6-57-25B	6/30/75	81			
6-57-26					
6-57-29A	10/31/44	68			
6-57-29B	6/30/75	81			
6-57-41A	5/31/81	173			
6-57-41B	5/31/81	459			
6-57-41C	12/31/81				
6-57-41D	4/30/81	301			
6-57-41E	6/30/81	119			
6-57-41F	6/30/81	608			
6-57-42	4/30/81	394			
6-57-83A	12/31/60	200			
6-57-83AO	4/30/65	170			
6-57-83AP	6/30/64	355			
6-57-83AQ	6/30/64	292			
6-57-83AR	6/30/64	232			
6-57-83B	8/31/85	2770			
6-57-83C	4/30/86	3532			

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-58-24	7/31/71	61			
6-58-25					
6-58-26					
6-58-40	12/31/80	249			
6-58-41A	12/31/80	21			
6-58-41B	12/31/80	70			
6-58-41C	11/30/80	103			
6-58-41D	12/31/80	78			
6-58-41E	3/31/81	387			
6-58-41F	5/31/81	262			
6-59-100					
6-59-101	3/31/76	122			
6-59-24		33			
6-59-32	7/31/71	74			
6-59-33		45			
6-59-44	12/31/80	70			
6-59-55	12/31/76	150			
6-59-58	7/31/72	104			
6-59-80A	7/31/48	95			
6-59-80B	8/31/48	183			
6-60-32	7/31/71	85			
6-60-53A	12/31/80				
6-60-53B	12/31/80				
6-60-53C	12/31/80				
6-60-53D	12/31/80				
6-60-53E	12/31/80				
6-60-53F	12/31/80				
6-60-57	7/31/72	154		40-143	
6-60-59					
6-60-60	6/30/48	110			

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-60-60P	6/30/77	125			
6-61-102					
6-61-16A	2/28/50	607	5-605	0-605	Driller
6-61-16B		81			
6-61-24					
6-61-26A	3/31/43				
6-61-26B		51			
6-61-37	7/31/71	76		5-75	
6-61-41	7/31/71	52		5-50	
6-61-53	1/31/78	385			
6-61-55A	3/31/76	234			
6-61-55B		250			
6-61-57	9/30/77	589			
6-61-62	6/30/72	179	5-188	X	Driller
6-61-66	6/30/55	164	5-225	5-225	Driller
6-61-84	9/30/43	111			
6-62-24		44			
6-62-31	7/31/71	84			
6-62-32		75			
6-62-43A	6/30/44	59			
6-62-43B	3/31/54	68			
6-62-43C	3/31/54	52			
6-62-43D	3/31/54	54			
6-62-43E	8/31/59	83			
6-62-43F	8/31/59	81			
6-62-43G	8/31/59	75			
6-62-43H	8/31/59	90			
6-62-43I	8/31/59	79			
6-62-43J	9/30/59	80			
6-62-43K	9/30/59	74			

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-62-43L	9/30/59	75			
6-62-43M	10/31/59	78			
6-62-43N	10/31/59	69			
6-62-53	12/31/77	456			
6-62-57					
6-63-25A	8/31/49	100			
6-63-25B	1/31/67	50			
6-63-51	7/31/71	36		5-35	
6-63-55	7/31/72	65	5-108	5-112	Driller
6-63-58	7/31/72	130		55-118	
6-63-89	4/30/73	218			
6-63-90	12/31/48	160	5-250	5-250	Driller
6-63-91	12/31/75				
6-63-92	4/30/73	120			
6-63-95	4/30/73	707			
6-64-27		81			
6-64-62	6/30/72	113		5-116	
6-65-114A	12/31/49	185			
6-65-114B	12/31/53	102			
6-65-21					
6-65-22		32			
6-65-23		25			
6-65-25		26			
6-65-38	6/30/60	33			
6-65-50	8/31/55	125	5-580	5-585	Driller
6-65-59A	11/30/58	139	5-200	5-200	Driller
6-65-59AP		190	5-200	5-200	
6-65-59B	4/30/76	175	5-200	5-200	Driller
6-65-59C	5/31/76	140	5-200	5-200	Driller
6-65-95	4/30/73	104	5-160		

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-66-103	1/31/44	124			
6-66-114	12/31/52	132			
6-66-23	10/31/61	80		5-100	
6-66-23P	9/30/63	81			
6-66-38	10/31/62	75	5-150	5-150	Driller
6-66-38O	5/31/65	60			
6-66-38P	9/30/63	125			
6-66-38Q	9/30/63	110			
6-66-39	7/31/71	88			
6-66-58	7/31/72	114		5-112	
6-66-64	6/30/72	120		5-116	Driller
6-66-91	5/31/73	138	5-190		Geologist
6-67-51	1/31/61	170	5-250		Driller
6-67-51P	5/31/77	235			
6-67-51Q	5/31/77	194			
6-67-98	10/31/60	110		5-185	
6-68-105	12/31/52	89			
6-69-31					
6-69-38		30			
6-69-45	1/31/61	148	5-300	5-300	Driller
6-69-45O	4/30/64	117			
6-69-45P	3/31/62	265			
6-69-45Q	3/31/62	235			
6-69-45R	3/31/62	178			
6-70-17	3/31/80	776			
6-70-23		29			
6-70-36					
6-70-37	6/30/60	15			
6-71-30	4/30/57	80	5-150	35-150	Driller
6-71-33	3/31/43	25			

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-71-52	7/31/54	147	5-210	5-210	Driller
6-72-92	9/30/61	90		5-200	None
6-72-92O	5/31/65	86			
6-72-92P	8/31/63	183			
6-72-92Q	8/31/63	136			
6-72-98		56			
6-74-43		25			
6-74-44	5/31/57	67	5-150	5-150	Driller
6-74-48	10/31/62	100	5-150		Driller
6-74-48O	5/31/65	100			
6-74-48P	9/30/63	128			
6-76-90		41			
6-77-43		44			
6-77-44					
6-77-54	5/31/57	118	5-150	5-150	None
6-78-45					
6-79-104	2/28/53	703		90-672	
6-80-11		106			
6-80-2					
6-80-39A		22			
6-80-39B	2/28/44	53			
6-80-43P	12/31/65	447	5-445	1-440	Driller
6-80-43Q	12/31/65	230			
6-80-43R	12/31/65	140			
6-80-43S	12/31/65	50			
6-81-38		34			
6-81-5		53			
6-82-38	12/31/48	254			
6-82-45A		26			
6-82-45B					

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-82-46					
6-83-11		99			
6-83-16		112			
6-83-38					
6-83-47	4/30/57	85	5-150	5-150	Driller
6-83-5		415			
6-84-16		116			
6-84-20		96			
6-84-46					
6-85-11		91			
6-85-40A		44			
6-85-40B		36			
6-86-11		60			
6-86-35A		41			
6-86-35B					
6-86-35C					
6-86-36A	12/31/84	190			
6-86-36B	12/31/84	150			
6-86-37					
6-86-42		33			
6-86-95					
6-87-2		500			
6-87-23		70			
6-87-24		68			
6-87-37		42			
6-87-40		43			
6-87-42A		39			
6-87-42B		45			
6-87-42C		36			
6-87-47		28			

Notes: Depths and intervals are in feet below the ground surface.

Well Number	Completion Date	Drilled Depth	Sampled Interval	ROCSAN Interval	Logs Available
6-88-39		27			
6-88-41		38			
6-92-14	11/30/53	328	5-925	90-925	
6-93-93	5/31/53	515		27-520	
6-HAN-7	9/30/43	42			

Notes: Depths and intervals are in feet below the ground surface.

12.0 REFERENCES

Buske, N. and L. Josephson, 1988, *Water and Sediment Reconnaissance of the Hanford Shoreline*, Hanford Reach Project, Data Report No. 4, Fall 1988, SEARCH Technical Services, Davenport, Washington. 30 pp. plus Appendices.

Delaney, C. D., K. A. Lindsey, and S. P. Reidel, 1991, *Geology and Hydrology of the Hanford Site: A Standardized Text for use in Westinghouse Hanford Company Documents and Reports*, WHC-SD-ER-TI-003, Rev. 0, September 1991, Westinghouse Hanford Company, Richland, Washington. Approx. 67 pp.

Dirkes, R. L., 1990, *1988 Hanford Riverbank Springs Characterization Report*, PNL-7500, December 1990, Pacific Northwest Laboratory, Richland, Washington. 40 pp. plus Appendices.

Dirkes, R. L., 1992, *Columbia River Monitoring Data Compilation*, WHC-SD-EN-DP-024, Rev. 0, February 1992, Prepared by Pacific Northwest Laboratory for Westinghouse Hanford Company, Richland, Washington. 30 pp plus Appendix

Fecht, K. R. and J. T. Lillie, 1982, *A Catalog of Borehole Lithologic Logs from the 600 Area, Hanford Site*, RHO-LD-158, March 1982, Rockwell Hanford Operations, Richland, Washington. 234 pp. plus 2 folded Plates.

Hartman, M. J., 1991, *Groundwater Monitoring Plan for the 1301-N, 1324-N/NA, and 1325-N Facilities*, WHC-SD-EN-AP-038, March 1991, Westinghouse Hanford Company, Richland, Washington. Approx. 40 pp. plus Appendices.

Ledgerwood, R. K., 1991, *Summaries of Well Construction Data and Field Observations for Existing 100 Aggregate Area Operable Unit Resource Protection Wells*, WHC-SD-ER-006, Draft October 11, 1991. Westinghouse Hanford Company, Richland, Washington. 336 pp.

Liikala, T. L., 1988, *Geohydrologic Characterization of the Area Surrounding the 183-H Solar Evaporation Basins*, PNL-6728, December 1988, Pacific Northwest Laboratory, Richland, Washington. 168 pp. plus Appendices.

Lindsey, K. A., 1991, *Revised Stratigraphy for the Ringold Formation, Hanford Site, South-Central Washington*, WHC-SD-EN-EE-004, Rev. 0, March 1991. Westinghouse Hanford Company, Richland, Washington. 12 pp.

McCormack, W. D. and J. M. V. Carlile, 1984, *Investigation of Ground-Water Seepage from the Hanford Shoreline of the Columbia River*, PNL-5289, November 1984, Pacific Northwest Laboratory, Richland, Washington. 20 pp. plus Appendices.

McGhan, V. L., 1989, *Hanford Wells*, PNL-6907, June 1989, Pacific Northwest Laboratory, Richland, Washington. Approx. 336 pp.

Newcomb, R. C., J. R. Strand, and F. J. Frank, 1972, *Geology and Ground-Water Characteristics of the Hanford Reservation of the U.S. Atomic Energy Commission, Washington*, Geological Survey Professional Paper 717. 78 pp. plus 3 folded Plates.

Perkins, C. J., 1989, *Characterization of Radionuclide Concentrations Along the N-Springs Shoreline for 1988*, WHC-SP-0480, June 1989. Westinghouse Hanford Company, Richland, Washington. 18 pp.

PNL, 1990, *Hanford Ground-Water Database Management Guide*, PNL-MA-588, February 1990, Pacific Northwest Laboratory, Richland, Washington.

WHC, 1991, *Environmental Investigations and Site Characterization Manual*, EII 6.6, "Resource Protection Well Characterization and Evaluation", WHC-CM-7-7, Westinghouse Hanford Company, Richland, Washington.

WPPSS, 1974, *Preliminary Safety Analysis Report*, WPPSS Nuclear Project No. 1, Amendment 5, Section 2.5 and Appendix 2, Washington Public Power Supply System, Richland, Washington.

WPPSS, 1981, *Final Safety Analysis Report, WPPSS Nuclear Project No. 2*, Amendment 18, Chapter 2: Geology and Seismicity, Washington Public Power Supply System, Richland, Washington.

This page intentionally left blank.

APPENDIX A

CONTINUOUS DATA LOGGER RECORDS

This page intentionally left blank.

Well Number	Start Date	End Date	Sampling Frequency	Sensor(s)	Recorder Type	Radio-Tele ?	User Program	Comments
1-B3-1	9/26/91		00:30	P-trans; Temper	Data logger	Y	CERC	Operating
1-B4-1	9/26/91		00:30	P-trans; Temper	Data logger	Y	CERC	Operating
1-B4-4	9/26/91		00:30	P-trans; Temper	Data logger	Y	CERC	Operating
100BC River				P-trans; Temper	Data logger	Y	CERC	Not yet installed
1-N-3	2/21/90	9/28/91	01:00	Float; Capacitance	Stevens w/ chart		OPER	N-Reactor
1-N-8S	1/10/90	9/28/91	00:30	P-trans	Data logger		OPER	N-Reactor
1-N-8S				P-trans	Data logger		CERC	Not yet installed
1-N-8P	1/10/90	9/28/91	00:30	P-trans	Data logger		OPER	N-Reactor
1-N-14	5/03/90	9/30/90	00:30	P-trans	Data logger		OPER	Instru drift; N-Reactor
1-N-20	12/28/89	12/03/90	00:30	Float; Capacitance	Stevens		OPER	N-Reactor
1-N-23	12/20/89	5/03/90	01:00	Float; Capacitance	Stevens		OPER	N-Reactor
1-N-25	12/20/89	7/03/90	01:00	Float; Capacitance	Stevens w/ chart		OPER	N-Reactor
1-N-27	10/25/89	9/28/91	00:30	Float; Capacitance	Stevens		OPER	N-Reactor
1-N-34	12/20/89	12/03/90	01:00	Float; Capacitance	Stevens w/ chart		OPER	N-Reactor
1-N-34				P-trans	Data logger		CERC	Not yet installed
1-N-51	12/05/89	12/03/90	01:00	Float; Capacitance	Stevens w/ chart		OPER	N-Reactor
1-N-56				P-trans	Data logger		CERC	Not yet installed
1-N-57	5/03/90	12/03/90	00:30	P-trans	Data logger		OPER	N-Reactor
1-N-58	12/22/89	7/03/90	00:30	P-trans	Data logger		OPER	N-Reactor
1-N-66	2/14/90	5/03/90	00:30	P-trans	Data logger		OPER	N-Reactor
1-N-67	10/19/89	2/14/90	00:30	P-trans	Data logger		OPER	Instru drift; N-Reactor
1-N-67	3/20/90	9/20/90	00:30	P-trans	Data logger		OPER	Instru drift; N-Reactor
100N River A	10/01/89	10/09/91	01:00	Air bubbler	Air bubbler w/ chart		OPER	N-Reactor
100N River B				P-trans	Data logger		CERC	Not yet installed
1-D8-3	3/15/90	4/26/90		P-trans	Data logger		RCRA	
1-D5-12	3/15/90	4/26/90		P-trans	Data logger		RCRA	
1-D2-5	3/15/90	4/26/90		P-trans	Data logger		RCRA	
1-H3-2A				P-trans	Data logger		CERC	Not yet installed
1-H3-2C				P-trans; Temper	Data logger		CERC	Not yet installed
1-H4-4	1/01/85	7/01/86		P-trans			RCRA	Freq/type unk; dates uncert

Notes: (See end of table for explanatory notes)

Well Number	Start Date	End Date	Sampling Frequency	Sensor(s)	Recorder Type	Radio-Tele ?	User Program	Comments
1-H4-5	1/30/85	10/07/86		P-trans			RCRA	Freq/type unk; dates uncert
1-H4-12A	9/26/91		00:30	P-trans; Temper	Data logger	Y	CERC	Operating
1-H4-12C				P-trans; Temper	Data logger		CERC	Not yet installed
1-H4-9	9/26/91		00:30	P-trans; Temper	Data logger	Y	CERC	Operating
1-H4-7	9/26/91		00:30	P-trans; Temper	Data logger	Y	CERC	Operating
100H River A	1/30/85	2/28/85		P-trans	Data logger		RCRA	Freq/locate unk; dates uncert
100H River A	3/26/85	4/07/85	00:30	P-trans	Data logger		RCRA	Location unknown
100H River A	5/13/85	6/17/85	00:30	P-trans	Data logger		RCRA	Location unknown
100H River B	9/15/88	6/18/90	00:30	P-trans	Data logger		RCRA/CERC	
100H River B	7/31/90		00:30	P-trans	Data logger	Y	RCRA/CERC	Operating
1-F5-1	9/26/91		00:30	P-trans; Temper	Data logger	Y	CERC	Operating
1-F5-6	9/26/91		00:30	P-trans; Temper	Data logger	Y	CERC	Operating
1-F5-4	9/26/91		00:30	P-trans; Temper	Data logger	Y	CERC	Operating
100F River				P-trans	Data logger	Y	CERC	Not yet installed

Notes: Sampling frequency is the measurement interval in minutes. Sensors include pressure transducers (P-trans), thermister wire (Temper), and other miscellaneous sensors. "Radiotele?" indicates that data are sent from the field to an office computer via radio link.

Notes: (See end of table for explanatory notes)

APPENDIX B

100 AGGREGATE AREA RIVERBANK SEEPAGE DATA

This page intentionally left blank.

River Mile	PNL Seep Number	Data Source	Sample Date	Nitrate	Tritium	Chromium	Gross Alpha	Gross Beta	SR-90
2.50		SEARCH88	6/19/88	4400					
2.50	2-1	PNL88	11/14/88	800	-320		.49	1.37	
3.00	3-1A	PNL84	12/18/82	1280	260				
3.00	3-1B	PNL84							
3.00	RIVER	PNL84	12/18/82	5300	-273				
3.00	RIVER	PNL84	1/22/83	710	297				
3.00	MIDRIVER	PNL84	12/18/82	260	-105				
3.30	3-2	PNL84							
3.30	3-2	PNL88	11/14/88	6700	1100		1.67	7.87	
3.30	3-3	PNL84							
3.50	3-3	PNL84	12/18/82	180	550				
3.50	3-4	PNL84							
3.50	RIVER	PNL84	12/18/82	310	-251				
3.75	3-5	PNL84							
3.75	3-6	PNL84							
3.90	4-0	PNL84							
4.00	4-0	PNL84	12/18/82	7840	1100				
4.00	RIVER	PNL84	12/18/82	220	-161				
4.00	RIVER	PNL84	1/02/83						.55
4.00	RIVER	PNL84	1/22/83	1240	270				
4.10		SEARCH88	7/10/88	15000					
4.10		SEARCH88	8/14/88						
4.20	4-1	PNL84	12/18/82	750	5920				
4.25	4-2	PNL84	12/18/82	1680	5810				
4.50	RIVER	PNL84	12/18/82	580	385				
4.50	RIVER	PNL84	1/22/83	970	-91				
4.70		SEARCH88	6/19/88	18200					
5.00	5-1	PNL84	12/18/82	440	639				
5.00	5-2	PNL84							
5.00	RIVER	PNL84	12/18/82	530	-280				

Notes: (See end of table for explanatory notes)

River Mile	PNL Seep Number	Data Source	Sample Date	Nitrate	Tritium	Chromium	Gross Alpha	Gross Beta	SR-90
5.00	RIVER	PNL84	1/22/83	800	-63				
5.00	RIVER	PNL84	1/22/83	930	-82				
5.25	5-3	PNL84							
5.25	5-4	PNL84	12/18/82	4430	871				
5.50	5-4A	PNL84	12/18/82	800	873				
5.60	5-4A	PNL84							
5.50	RIVER	PNL84	12/18/82	180	-326				
5.50	MIDRIVER	PNL84	12/18/82	440	309				
5.60	5-5	PNL84							
5.90	5-6	PNL84							
6.00	6-1	PNL84	12/18/82	800	5490				
6.00	RIVER	PNL84	12/18/82	90	-277				
6.20	6-2	PNL84							
6.20	6-3	PNL84							
6.20		SEARCH88	6/19/88	39900					
6.30		SEARCH88	6/19/88	9500					
6.50	RIVER	PNL84	12/18/82	400	1280				.18
6.80	7-0	PNL84							
6.90	7-1	PNL84							
7.00	7-1	PNL84	12/18/82	400	1400				
7.00	RIVER	PNL84	12/18/82	580	350				
7.10		SEARCH88	7/10/88	10800					
7.25	7-2	PNL84							
7.25	7-3	PNL84							
7.30	7-4	PNL84							
7.50	RIVER	PNL84	12/18/82	620	-185				
7.90		SEARCH88	7/10/88	4700					
8.00	8-1	PNL84	12/18/82	440	3970				
8.00	RIVER	PNL84	12/18/82	350	133				
8.00	MIDRIVER	PNL84	12/18/82	90	149				
8.25	8-1	PNL84							

Notes: (See end of table for explanatory notes)

River Mile	PNL Seep Number	Data Source	Sample Date	Nitrate	Tritium	Chromium	Gross Alpha	Gross Beta	SR-90
8.30	8.25-1	PNL84							
8.30		SEARCH88	7/10/88	14400					
8.50	8-10	PNL84	12/18/82	1020	486				
8.50	RIVER	PNL84	12/18/82	180	310				
8.60		SEARCH88	7/10/88	2800					
8.60	8-10	PNL84							
8.70		SEARCH88	7/10/88	9600					
8.75	8-11	PNL84							
8.75	8-12	PNL84							
8.75	RIVER	PNL84	12/18/82						28.00
8.90	8-13	PNL84							
8.90	N8T	PNL88							
8.90	RIVER	PNL88	9/15/88		76400				
8.90	SPR	PNL88	9/06/88	28630	74000	0	.55	13800.00	6680.00
8.90	SPR	PNL88	9/15/88		75800		.00	10800.00	7270.00
9.00	9-0	PNL84	12/18/82	10400	38500				
9.00	RIVER	PNL84	12/18/82	1340	4430				
9.10		SEARCH88	7/10/88	44300					
9.25	9-1	PNL84							
9.25	9-2	PNL84							
9.25	9-3	PNL84							
9.25	9-4	PNL84	12/18/82	3540	22400				
9.30		SEARCH88	7/10/88	34500					
9.30		SEARCH88	9/06/88	64200					
9.50	RIVER	PNL84	12/18/82	1370	761				
9.50	SPR	PNL88	9/06/88		111000		.37	73.80	.31
9.75	N-SPR	PNL88							
10.00	RIVER	PNL84	12/18/82	1990	830				
10.00	MIDRIVER	PNL84	12/18/82	440	204				
10.50	RIVER	PNL84	12/18/82	220	314				
10.80		SEARCH88	8/14/88						

Notes: (See end of table for explanatory notes)

River Mile	PNL Seep Number	Data Source	Sample Date	Nitrate	Tritium	Chromium	Gross Alpha	Gross Beta	SR-90
11.00	11-1	PNL84	1/22/83	1110	8				
11.00	RIVER	PNL84	12/18/82	240	310				
11.00	11-1	PNL88	11/14/88	2200	22		.30	1.65	1.41
11.00	RIVER	PNL84	12/18/82						1.10
11.10		SEARCH88	8/14/88						
11.50	RIVER	PNL84	12/18/82	175	-249				
12.00	RIVER	PNL84	12/18/82	180	296				
14.00	RIVER	PNL84	12/18/82	310	-156				
14.00	RIVER	PNL84	1/22/83	260	-63				
14.00	RIVER	PNL84	9/11/83	100	603				
14.00	MIDRIVER	PNL84	12/18/82		474				
14.00	MIDRIVER	PNL84	1/22/83	660	-49				
14.00	MIDRIVER	PNL84	9/11/83	30	-65				
14.50	14-4	PNL84	12/27/82	1060	1210				
14.50	14-4	PNL84	9/11/83					2.50	
14.50	RIVER	PNL84	1/22/83	440	-17				
14.50	RIVER	PNL84	9/11/83	150	-130				
14.50	14-5	PNL84							
14.50	SPR	PNL88		500		0			
14.70		SEARCH88	7/10/88	18300					
15.00	15-0	PNL84	12/27/82	5750	580				
15.00	15-0	PNL84	1/22/83	1550	451				
15.00	15-0	PNL84	9/11/83					3.20	
15.00	RIVER	PNL84	1/22/83	440	389				
15.00	RIVER	PNL84	9/11/83	250	-32				
15.00	15-0	PNL88	9/12/88		545		.30	1.63	
15.00	RIVER	PNL88	9/12/88		66				
15.25	15-4	PNL84							
15.50	15-5	PNL84							
15.50	RIVER	PNL84	1/22/83	440	-162				
15.50	RIVER	PNL84	9/11/83	20	234				

Notes: (See end of table for explanatory notes)

River Mile	PNL Seep Number	Data Source	Sample Date	Nitrate	Tritium	Chromium	Gross Alpha	Gross Beta	SR-90
15.70		SEARCH88	6/26/88	24200					
15.75		SEARCH88	6/26/88	9000					
15.75	RIVER	PNL84	1/22/83						.50
16.00	RIVER	PNL84	1/22/83	580	-8				
16.00	RIVER	PNL84	9/11/83	430	349				
16.50	RIVER	PNL84	1/22/83	310	-98				
16.50	RIVER	PNL84	9/11/83	150	245				
15.80		SEARCH88	6/26/88	15400					
17.00	RIVER	PNL84	1/22/83	440	-172				
17.00	RIVER	PNL84	9/11/83	200	-135				
17.50	RIVER	PNL84	1/22/83	440	-53				
17.50	RIVER	PNL84	9/11/83	20	-34				
17.80		SEARCH88	6/26/88	20100					
18.00	18-0	PNL84							
18.00	RIVER	PNL84	1/22/83	440	-670				
18.00	RIVER	PNL84	9/11/83	230	-173				
18.00	MIDRIVER	PNL84	1/22/83	800	-13				
18.00	MIDRIVER	PNL84	9/11/83	50	-131				
18.00	18-1	PNL84							
18.25	18-1	PNL84	1/22/83	660	-158				
18.50	RIVER	PNL84	1/22/83	440	242				
18.50	RIVER	PNL84	9/11/83	240	-131				
18.50		SEARCH88	6/26/88	7900					
18.60	18-2	PNL84							
19.00	18-3	PNL84	1/22/83	880	269				
19.00	18-3	PNL84	9/11/83					12.00	
19.00	RIVER	PNL84	1/22/83	260	-199				
19.00	RIVER	PNL84	9/11/83	100	210				
19.00	19-1	PNL84							
19.50	RIVER	PNL84	1/22/83	440	233				
19.50	RIVER	PNL84	9/11/83	50	-201				

Notes: (See end of table for explanatory notes)

River Mile	PNL Seep Number	Data Source	Sample Date	Nitrate	Tritium	Chromium	Gross Alpha	Gross Beta	SR-90
20.00	RIVER	PNL84	1/22/83						.93
20.00	RIVER	PNL84	1/22/83	440	-166				
20.00	RIVER	PNL84	9/11/83	160	-192				
20.50	RIVER	PNL84	9/11/83	20	-69				
21.00	RIVER	PNL84	9/11/83	100	254				
21.50	RIVER	PNL84	1/22/83	660	337				
21.50	RIVER	PNL84	9/11/83	250	-123				
22.00	22-1	PNL84	1/22/83	660	211				
22.00	RIVER	PNL84	1/22/83	660	285				
22.20	22-1	PNL84							
22.20	22-1A	PNL84							
22.25	22-2	PNL84							
22.50	22-3	PNL84							
22.60		SEARCH88	7/17/88	1400					
22.75	22-4	PNL84	1/22/83	880	313				
22.75	22-4	PNL84	9/11/83	6870	235			4.60	
23.00	23-1	PNL84							
23.25	23-2	PNL84							
23.50	23-3	PNL84							
23.60	23-4	PNL84	9/11/83	380	222			.46	
23.75	23-4	PNL84							
23.80		SEARCH88	7/17/88	1500					

Notes: River mile refers to the distance downstream from Vernita Bridge. Data sources are: PNL84 = McCormack and Carlile (1984); PNL88 = Dirkes (1990); and SEARCH88 = Buske and Josephson (1989). Nitrate and chromium are in parts per billion; tritium, gross alpha, gross beta, and strontium-90 are in picoCuries per liter.

Notes: (See end of table for explanatory notes)

DISTRIBUTION SHEET

To: Distribution

From: R. E. Peterson

Date: 2/28/92

Project Title/Work Order:

Hydrologic and Geologic Data Available for th Region North of Gable Mountain, Hanford Site, Washington

EDT No.: 157073 ECN No.:

Name	MSIN	With Attachment	EDT/ECN & Comment	EDT/ECN Only
U.S. Department of Energy - Field Office, Richland				
E. D. Goller (6)	A5-19	x		
J. D. Goodenough	A5-19	x		
K. M. Thompson	A5-19	x		
Pacific Northwest Laboratory				
B. N. Bjornstad	K6-96	x		
R. W. Bruce	K6-96	x		
Westinghouse Hanford Company				
J. W. Fassett	G6-50	x		
K. R. Fecht	H4-56	x		
B. H. Ford	H5-29	x		
M. G. Gardner	N3-06	x		
J. A. Knepp	H4-56	x		
M. J. Hartman	H4-56	x		
D. G. Horton	H4-56	x		
R. L. Jackson	H4-56	x		
V. G. Johnson	H4-56	x		
G. G. Kelty	H5-29	x		
A. G. Law	H4-56	x		
R. K. Ledgerwood	N3-05	x		
K. A. Lindsey	H4-56	x		
R. E. Peterson (5)	H4-56	x		
R. F. Raidl	H4-56	x		
J. W. Roberts	H4-55	x		
J. A. Serkowski	H4-56	x		
K. R. Simpson	H5-29	x		
S. J. Trent	H4-56	x		
S. E. Vukelich	H4-55	x		
S. Weiss	H4-55	x		
Central Files	L8-04	x		
EDMC (2)	H4-22	x		
IRM Clearance	H4-17	x		

THIS PAGE INTENTIONALLY
LEFT BLANK