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Revision 0

Calculation Title & Description: Calculation and Depiction of Groundwater Contamination for the Calendar Year 2012 (CY2012) Hanford Site Groundwater Monitoring Report

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788

CH2MHILL
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Richland, Washington 99352

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Terms

1-D	one dimension
2-D	two dimension
3-D	three dimension
BLUE	best linear unbiased estimator
CDF	cumulative distribution function
COI	contaminant of interest
CY	calendar year
ECF	environmental calculation brief
GIA	Groundwater Interest Area
GSLIB	Geostatistical Software Library
HEIS	Hanford Environmental Information System
LK	Log-Transform Kriging
MIK	Multiple Indicator Kriging
ODBC	Open Data-Base Connectivity
OK	Ordinary Kriging
P&T	pump-and-treat
PMP	Performance Monitoring Plan
QK	Quantile Kriging
RAO	Remedial Action Objective
RD/RA-WP	Remedial Design/Remedial Action Work Plan
RDR	Request for Data Review
RL	reporting limit
ROD	Record of Decision
RUM	Ringold Upper Mud
SK	Simple Kriging
TCE	trichloroethene
USGS	United States Geological Survey

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1. Purpose

The purpose of this environmental calculation brief (ECF) is to describe the methodology, input data, and calculations used to delineate contaminant plumes and the corresponding concentration distributions for the contaminants of interest (COIs) in each Groundwater Interest Area (GIA) of the Hanford Site in support of DOE/RL-2013-22, *Hanford Site Groundwater Monitoring for 2012*.

Although geostatistical techniques were used to construct the maps, rigorous analyses of the spatial statistics of each COI within each GIA were not completed. The overarching objective of the plume delineations described in this ECF is to construct piecewise-continuous (gridded) maps of the estimated extents of contamination that balance objectivity with qualitative input from project scientists and can be used to calculate simple summary statistics, such as plume area.

2. Methodology

Maps of the extent of contamination, referred to as contaminant plume maps, are developed by interpolating point sample data obtained from monitoring wells, injection wells, inactive extraction wells, and aquifer tubes to a fine grid using Ordinary Kriging (OK) in two dimensions (2-D). In some instances, sample data obtained within the monitoring period are supplemented with data obtained prior to the monitoring period.

Since concentration data often do not follow a normal distribution, being more often skewed or tailed, the sample data values are typically subject to a parametric or non-parametric transformation before employing the OK interpolation technique to produce a piecewise-continuous estimate of the extent of contamination. The following text details three data transformations used in the plume mapping process. Upon completion of the interpolation of the transformed dataset, back-transformation of the results provides contaminant distributions corresponding to the units and actual range of values for each COI in each GIA.

The plume mapping procedure involves the following steps:

1. Data overview to review and supplement, if necessary, the dataset to be used for mapping each COI plume in each GIA.
2. Data transformation, as necessary, depending on the data values and their distribution for each COI in each GIA.
3. Application of OK to interpolate the transformed data set.
4. Back-transformation of the OK interpolation results.
5. Estimation of plume areas corresponding to defined concentration intervals for each COI in each GIA.

These steps of the plume mapping procedure are detailed in the following subsections.

2.1 Data Overview

On February 6, 2013, the Hanford Environmental Information System (HEIS) was queried using a Microsoft Access Open Data-Base Connectivity (ODBC) module for all groundwater constituent concentration measurements collected between October 7, 1951 and December 31, 2012 (C. Arola, personal communication February 7, 2013). This query resulted in 3,294,821 records for 982 chemical constituents and physical parameters from 2,780 measurement locations across the Hanford Site, from monitoring wells, injection wells, extraction wells, and aquifer tubes.

Location and construction data for the measurement locations were provided in a comprehensive data set by CHPRC (C. Arola, personal communication, January 9, 2013). The data set included spatial location (XY coordinates) and location type (such as groundwater well or aquifer tube). Aquifer zone of screened interval for each groundwater measurement location (if available) had been provided previously for the Calendar Year (CY) 2011 annual report plume mapping analysis (C. Arola, personal communication, March 5, 2012). A list of aquifer zones is provided in Table A.1 of Appendix A. Measurement locations were added and/or spatial information was updated for selected measurement locations as additional information became available during the plume mapping process. The concentration data were combined with the location data in a Microsoft Access database, from which all mapping input files were generated as described in the following subsections.

2.1.1 Data Selection Rules

The mapping input data for each combination of GIA and COI were selected based on a multi-step process:

1. Using a Microsoft Access query, the chemical concentration table was linked to the location data table so each measurement was associated with its X-Y coordinates. A master table containing all chemical concentration measurements obtained from 2010 to 2012 was generated from this query.

2. Monitoring locations were removed from the master chemical concentration table if the screened interval was outside the aquifer zone of interest. A complete list of excluded locations is provided in Table B.1 of Appendix B.

3. Rejected samples (measurements flagged with qualifiers “R”) were removed from the dataset. Samples submitted for review [Request for Data Review (RDR)] or identified as erroneous by the project scientist were excluded from the dataset per the instruction of the project scientist or the value and/or flag was corrected by the project scientist (a complete list of those samples is provided in Table B-2 of Appendix B).

4. For each combination of GIA and COI, an input dataset required for interpolation was generated using an automated method developed in the open-source programming language R (R Development Core Team, 2012, *R: A Language and Environment for Statistical Computing*). For each input dataset, a single representative COI concentration was determined for each measurement location in the GIA, using the following process:

    a. All measurements for the specified GIA/COI combination were selected from the master chemical concentration table. Then, the annual average and maximum COI concentration for each measurement location were calculated for every year from 2010 to 2012.

    b. If at least one COI measurement was available for the location during 2012, the average concentration from 2012 was used for the kriging input dataset.

    c. If no COI measurements were available for 2012, the average concentration from 2011 was used for the kriging input dataset.

    d. If no COI measurements were available for 2011 or 2012, the average concentration from 2010 was used for the kriging input dataset.

    e. If the location was an aquifer tube, or if the samples were taken during drilling (characterization data), the maximum value rather than the average value was used. If both characterization data and routine measurements were available for a location, the routine measurement data were used. Specific data selections are discussed in the GIA-specific sections that follow.

5. If a measurement was flagged with the "U" qualifier or any combination including the "U" qualifier, then the reported value was replaced with zero (0.0) before the annual average (or maximum) value was calculated.

6. In some cases supplemental input data points, determined from measured values using logic other than that listed in Steps 1–5, or other points provided by the GIA project scientist, were included. This usually occurred in one of the following cases:

   a. A location was not measured for the specified COI since 2010, or the concentration selected by application of the logic sequence described previously was suspect. In this case, measurements from an earlier sampling event may be used.

   b. The origin, shape, or extent of a plume was considered well known based on previous investigations or geologic constraints. In this case, a synthetic data point may be added so the calculated plume better reflects this prior information.

These additional data points fall into one of three categories: values determined from historical measurements; values determined by geologic constraints; or values specified by the project scientist based on institutional knowledge. A discussion of each category is provided in Section 2.1.2. A complete list of additional data and other points used for each COI in each GIA is included in GIA-specific subsections in Section 3.1.

2.1.2 Additional Data and Other Points

Unless otherwise specified, data points used for mapping are determined from measured COI concentrations using the logic outlined in Section 2.1.1, Steps 1–5. These points are categorized as "Type 1" data points. In some cases, however, supplemental measured data points and/or other points are included to reflect known conditions at the site. These points are categorized by type:

- Type 1: point values that were also based on COI concentration measurements but were *not* determined based on the selection rules described in Section 2.1.1, Steps 1–5. For example, effluent concentrations from the corresponding treatment plant may be used to reflect conditions near an injection well, or a historical measurement outside the 2010-2012 timeframe may be used where more recent data are not available. These points are discussed in detail in the applicable GIA-specific subsections of Section 3.1, and are listed as "Type 1" in the Other Point table provided in those subsections. Additionally, measurements from sampling conducted during CY2012 but which were not included in the original data pull from HEIS are categorized as "Type 1" but listed separately in summary tables of other points used in the interpolation included in GIA-specific subsections in Section 3.1.

- Type 2: points determined by geologic constraints. For example, a COI concentration value of zero (0.0) may be included in areas where basalt outcrop is thought to provide a barrier to COI migration. These points are discussed in detail in the applicable GIA-specific subsections of Section 3.1, and are listed as "Type 2" in summary tables of other points used in the interpolation included in GIA-specific subsections in Section 3.1.

- Type 3: points determined by the project scientist, based on knowledge of plume sources, previous remediation activities, historical plume configuration, and so forth, including migrated and interpolated data as described in these subsections. These points are discussed in detail in the applicable GIA-specific subsections of Section 3.1 and are listed as "Type 3" in summary tables of other points used in the interpolation included in GIA-specific subsections in Section 3.1.

Interpolated and Migrated Data

In some cases, the value of a Type 3 point is determined using interpolation or migration calculations. A brief description follows, and calculations are presented in detail in the applicable GIA-specific subsections of Section 3.1.

The purpose of the Interpolated Data points is to ensure that the plume mapping procedure results in a contiguous region of mapped concentrations that correspond with historical high-valued sample(s). The following steps were used to define Interpolated Data points:

1. The location and sample data for the historical groundwater sample value was identified from the available sample records.
2. The location and sample data of the most-likely downgradient sampling location for which recent data are available, was identified from the available sample records.
3. A relationship was developed between the logarithm of the sampled concentration at the historical high-valued location and the logarithm of the sampled concentration at the recent downgradient location, versus the separation distance between the two locations.
4. A value was estimated for the COI at a location approximately midway between the two sampled locations, using this log(concentration)-versus-distance relationship.

The purpose of the Migrated Data points is to ensure that historical high-valued samples are not excluded from the data set used for plume mapping, but are incorporated in an approximate manner using first-order estimates of the likely transport of the corresponding contaminant from the sampled location. The following analytical steps were used to migrate the historical groundwater conditions through to the present day:

1. The location and sample data for the historical groundwater sample value was identified from the available sample records.
2. The typical groundwater flow direction and rate (i.e., hydraulic gradient) was estimated from historical water level data.
3. The approximate movement of the contamination from the historical high-valued location, from the time of sampling to CY2012, was calculated assuming advection and retardation (sorption) as the dominant transport processes, using the tabulated parameter values. The resultant location downgradient of the measured location is identified as the “migrated location.”
4. The approximate concentration at the migrated location during CY2012 was adjusted to account for radioactive decay using the tabulated radioactive decay half-life. This concentration is referred to as the “migrated concentration.”

The complete set of parameters and data used in the interpolation/migration calculations are provided in the corresponding GIA-specific subsection of Section 3.1.

2.1.3 Exceptions to Data Selection Rules

While the rules outlined in Section 2.1.1 determined the data selection process, some adjustments were made to the process and/or input datasets for specific GIA/COI combinations. For example:

- Cases where plume depictions were assumed dependent upon the stage of the Columbia River-in this case, plume maps were prepared using measurements obtained during (a) high or (b) low river stage rather than using annual average or maximum concentration values. Detailed description of the data selection process is provided in the GIA-specific subsections of Section 3.1.

- For Iodine-129 measurements flagged with the "U" qualifier or any combination including the "U" qualifier, the reported concentration was used in place of zero for all measurements, at the direction of the GIA project scientists.

A detailed description of the data selection process for each COI and GIA is provided in Section 3.1.

2.1.4 Removed Data

In some cases, individual data points were excluded at the direction of the project scientist because the points were not considered representative of site conditions. Removed data points are discussed in detail the GIA-specific subsections of Section 3.1, and are listed in Tables B-2 and B-3 of Appendix B. Where values were excluded from the mapping input dataset, the prefix "REM" (as shorthand for "REMOVE") appears at the beginning of the corresponding line in the input file (Appendix C).

2.2 Data Transformations

Geostatistical interpolation (kriging) is described as a best linear unbiased estimator (BLUE) for spatially dependent variables: best in the sense that it is a minimum variance estimator; linear in the sense that the estimator is a linear combination of independent variables; and unbiased in the sense that the average error of the estimator is zero. However, for tailed or skewed data distributions and/or for non-stationary data (data for which the mean value is dependent on the location)—such as contaminant concentrations in groundwater—the contaminant distribution, the irregularity of the monitoring network, and the skewedness of the dataset can result in extrapolation and unrealistic plume depictions when using OK interpolation of the raw sample data. To mitigate this against common difficulty, the interpolation of parametric or non-parametric transformations of the raw sample data is commonplace (Journel and Deutsch, 1997, "Rank Order Geostatistics: A Proposal for a Unique Coding and Common Processing of Diverse Data;" Reed et. al, 2004, "Spatial Interpolation Methods for Nonstationary Plume Data"). The most common of these methods are logarithmic transformation, rank transformation, and indicator transformation.

As a result, one of the following three data transformations were used for developing the COI plume maps described in this ECF: (1) the Logarithmic-(Log-) Transform, (2) the Quantile (rank) Transform, or (3) the Multiple Indicator-Transform. The appropriate transformation for each COI/GIA interpolation was selected collaboratively between CHPRC and SSP&A such that the resulting interpolated plume reflected the origin, shape, and/or extent as defined based on previous investigations. Following is A description of each.

- Log-Transform Kriging (LK): A common form of kriging for environmental sampling data. The raw sample data are log-transformed, OK is undertaken on the log-transformed values, and the resulting interpolated grid is back-transformed to the original concentration units (Deutsch and Journel, 1992; Journel and Deutsch, 1997; and Reed et. al, 2004). Desirable qualities of the LK approach versus OK of the raw sample data include improved robustness and mitigated extrapolation in the presence of censored data (i.e., non-detects).
- Quantile Kriging (QK): A uniform-score transform is applied to the raw sample data, wherein the data are ranked in ascending order to define a cumulative distribution between zero and one. The values that are ascribed to each sampled location from the cumulative distribution are then interpolated to the grid using the OK technique, and subsequently back-transformed to the original concentration units (Deutsch and Journel, 1992; Journel and Deutsch, 1997; and Reed et. al, 2004). Desirable qualities of the QK approach, versus OK and on some occasions LK, include improved robustness and mitigated extrapolation in the presence of censored data (i.e., non-detects). Journel and Deutsch (1997) first proposed rank-order geostatistics. Transforming the actual measured data values into standardized ranks—that is, sorting and ranking the data and then kriging the ranks—mitigates the requirement that the transformed data exhibit a Gaussian distribution. There are no specific

requirements regarding the distribution of the transformed data: the standardized ranks actually follow a uniform distribution.

- Multiple Indicator Kriging: The Multiple Indicator Kriging (MIK) approach used here can also be described as prescribed rank or prescribed category kriging for the following reasons. The sample data are evaluated and assigned indicators that correspond with concentration levels of interest, such as cleanup standards. For example, concentrations of interest when depicting chromium contamination include 10 µg/L, 20 µg/L, 48 µg/L, and 100 µg/L. In this case, sample concentrations within each interval are transformed using a cumulative distribution function (CDF) to assign to each sample concentration a probability the given concentration will be exceeded. The sample data are transformed into cumulative probabilities using the CDF and kriged, after which the CDF is used to back-transform the result into concentration units. Desirable qualities of this variant of MIK versus OK, LK, and on some occasions QK. include improved robustness and mitigated extrapolation in the presence of censored data (i.e., non-detects).

Use of these transform-based interpolation methods provides for relatively objective depictions of contamination that respect sample data. Review of the mapped contamination plumes by experienced GIA scientists ensures that the resulting contaminant depictions comport with independent knowledge and do not violate conditions or constraints imposed by the site operations or natural conditions. The output of a single sample data interpolation exercise is a smoothly varying, piecewise-continuous grid of estimated concentration values that can be depicted using contours and/or color-flooding with appropriate concentration intervals.

2.3 Numerical Interpolation

LK, QK, and the variant of MIK used here are accomplished using the program QUANTILE (SSP&A, 2013, *User's Guide for Interpolation Using QUANTILE, Version 1.2*), which is based upon the United States Geological Survey (USGS) kriging routines of Skrivan and Karlinger, 1980, *Semi-Variogram Estimation and Universal Kriging Program*. QUANTILE is programmed in Fortran 90/95 using a modular program structure. It has been developed to be independent of any specific computer platform, requiring simple ASCII input files and producing ASCII output files. QUANTILE incorporates routines to conduct the logarithmic, quantile, and categorical indicator data transforms, undertake OK of the transformed values, and complete the necessary back-transformations. QUANTILE undertakes spatial interpolation in 2-D.

A detailed description of the input file structure and data required by QUANTILE is provided in the program documentation (SSP&A, 2013).

2.3.1 Variogram Parameters

Qualitatively, the variogram (or, semi-variogram) is a descriptor of how the relationship between two values sampled from a random field changes with increasing separation distance of their sampled locations. Quantitatively, if the random field exhibits a constant mean, then the spatial relationship is described in terms of the variance of the difference between the sampled values at the two locations. Chiles and Delfiner, 1999, *Geostatistics: Modeling Spatial Uncertainty*, among others, provide detailed descriptions and examples of the types, construction, and application of variograms.

The interpolation program used to create the plume maps in this ECF uses the variogram subroutines provided as part of the Geostatistical Software Library (GSLIB) (Deutsch and Journel, 1998, *GSLIB: Geostatistical Software Library and User's Guide*). As a result, definition of the variogram structures used by the program follows the protocols detailed in the GSLIB user's guide.

Variograms are generally presented as one-dimensional (1-D) curves that depict the theoretical (semi-)variance versus separation distance (h). Although nested variogram structures can be defined using the GSLIB protocols and subroutines, for purposes of the interpolation described in this ECF, only single-structure variograms were used. A single-structure variogram used for purposes of 2D (i.e., single-layer) interpolation can be defined in terms of the following parameters:

- Sill—the value of the (semi-)variance at which the variogram levels off (i.e., in a single-structure variogram, this is equivalent to the total [semi-]variance).
- Range—the distance at which the semi-variogram reaches the sill value.
- Nugget—small-scale variability that occurs within separate distances smaller than the typical sample spacing. The nugget typically incorporates measurement and/or sample support error(s).

The most common variogram structures—and those that are implemented within the GSLIB routines-are the (a) spherical (use actual range); (b) exponential (use practical range); (c) Gaussian (use practical range); (d) power law; and (e) hole effect variogram structures (as shown in Figure 2-1).

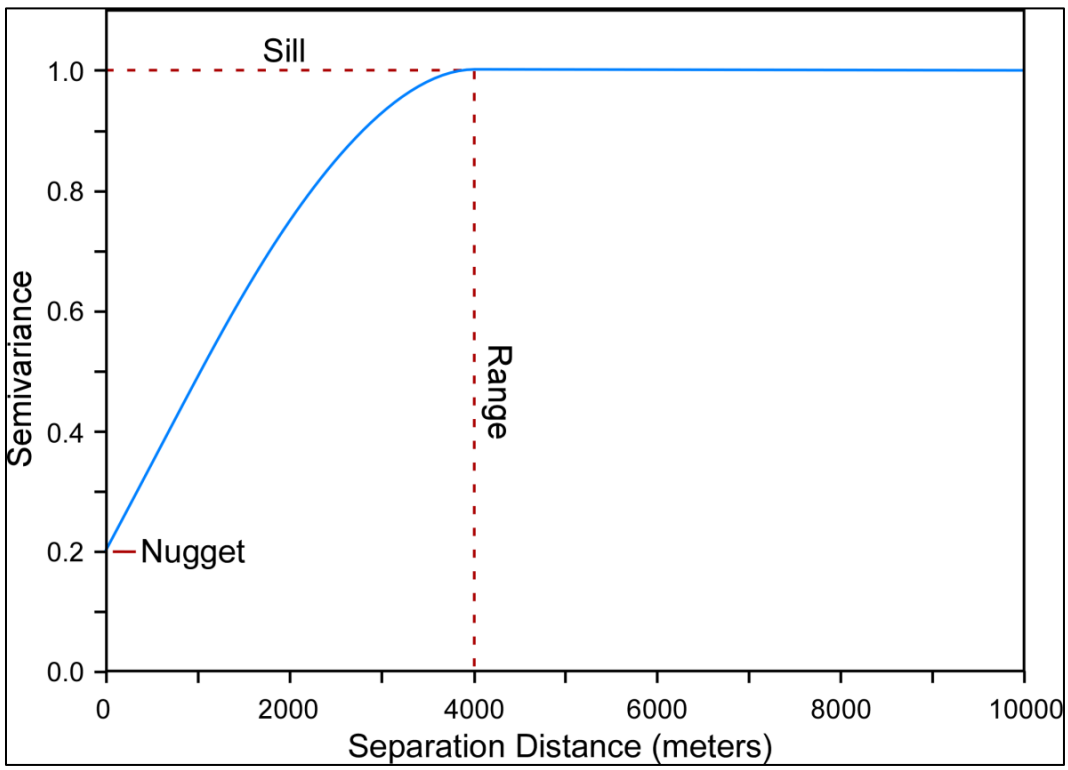


Figure 2-1. Schematic of a Modeled (Semi-)Variogram (after Bohling, 2005)

In the case that the relationship between the (semi-)variance and separation distance is the same in all directions, the variogram is isotropic. Often, however, the relationship is not isotropic. For example, when mapping groundwater contamination, it is often the case that sampled values are more similar in the direction of groundwater flow (and, presumably, contaminant transport) than in the direction orthogonal to groundwater flow. In such cases, an anisotropic variogram can be defined by specifying a principal direction (angle) and a range in that direction and specifying a range in the secondary direction, which is in most cases orthogonal to the principal direction. The ratio of the ranges in the principal (maximum) and secondary (minimum) directions is referred to as the (horizontal) anisotropy.

3. Calculations

Data interpolation was conducted for each GIA and COI using the QUANTILE program implementing the OK technique. The datasets were developed following compilation and review of all available sample data as described in Section 2. During the data review process, sample data were excluded based on criteria associated with aquifer correspondence and/or suspect values. In addition, other points were included per direction from the GIA project scientist, if necessary, to supplement the sample dataset and provide control during plume delineation based on prior information and institutional knowledge. The development of the qualified datasets for each COI and GIA, the data transformation algorithm, and the interpolation parameters for the OK interpolation algorithm are presented separately for each COI and GIA in the following subsections. Plume area calculations for each GIA/COI combination are also tabulated and summarized.

3.1 Plume Mapping by Interest Area

The following subsections describe the plume mapping process for each COI and GIA. All kriging input datasets are provided in Appendix C. The resulting COI plume maps are provided in Appendix D.

3.1.1 100-BC-5

A list of the COIs in 100-BC-5 and the corresponding OK interpolation parameters is provided in Table 3-1. Each COI was mapped using a single kriging grid covering the entire GIA. The QUANTILE input datasets are provided in Appendix C. The data selection procedure, as detailed in Section 2, was followed for each COI.

Table 3-1. COIs and Interpolation Parameters for 100-BC-5

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Chromium	MIK	700	900	20	100BC5_Chromium_AveF.dat
Nitrate	QK	1200	1500	0	100BC5_Nitrate_AveF.dat
Strontium-90	QK	1200	1500	0	100BC5_Sr90_AveF_v2.dat
Tritium	MIK	1200	1600	15	100BC5_Tritium_AveF.dat

The chromium dataset comprised average concentration values calculated using hexavalent chromium (filtered or unfiltered) and filtered total chromium measurements at each monitoring location. Types 1, 2, and 3 points were included to better define plume concentrations. Chromium concentrations measured in 2010 for wells 199-B8-7 and 199-B8-8 were excluded. Instead, point values of 50 µg/L were used because the wells had been decommissioned and there was evidence that waste site remediation dust suppression water had contributed to increased groundwater concentrations at these locations. Two Type 2 points were added (CP41 and CP42, Table 3-2).

Two measurements from early 2013 were added as Type 1 points at locations 199-B5-2 and C6233 and historical sampling results were added at locations AT-B-7-M and C7782.

Two migrated data points (199-B8-7 MIG and 199-B8-8 MIG) were added to the tritium dataset. Parameters used in the calculations are tabulated in Table 3-3 and the migrated concentrations are provided in Tables 3-4 and 3-5.

Table 3-2. Basis for Data Selection Exceptions in 100-BC5

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
565405.4375	144939.6875	12.5	199-B5-2	Strontium-90	1	2013 Sampling Result. Sampling event was scheduled for December 2012, but sampling was not completed until January 3, 2013.
566143.3125	145680.04688	0	AT-B-7-M	Strontium-90	1	Result from last sampling event on 11/08/2007. Based on the data selection rules, the result of the non-detect was assigned a value of 0.
565566.125	145495.70313	0	C6233	Strontium-90	1	2013 Sampling Result. Sampling event was scheduled for December 2012, but sampling was not completed until January 15, 2013. Based on the data selection rules, the result of the non-detect was assigned a value of 0
565752.625	145558.53125	5.3	C7782	Strontium-90	1	2010 Sampling Result (Data point became available after original data pull)
563781	142732	0	CP41	Hexavalent Chromium	2	Geologic Control. Value selected to represent inferred paleochannel with expected low concentration.
565715	142355	0	CP42	Hexavalent Chromium	2	Geologic Control. Value selected to represent inferred paleochannel with expected low concentration.
564760.875	144045.17188	50	199-B8-7	Hexavalent Chromium	3	Well decommissioned in 2010. Concentration based on historical results from well and water sampling from the 100-C-7:1 waste site excavation area (PNNL-21845).
565006.125	144001.01563	50	199-B8-8	Hexavalent Chromium	3	Well decommissioned in 2010. Concentration based on historical results from well and water sampling from the 100-C-7:1 waste site excavation area (PNNL-21845).
564879	144185	23693	199-B8-7 MIG	Tritium	3	Migrated Data
565124	144140	23693	199-B8-8 MIG	Tritium	3	Migrated Data

Source: PNNL-21845, Investigation of Hexavalent Chromium Flux to Groundwater at the 100-C-7:1 Excavation Site.

Table 3-3. Parameters Used in Interpolation-Migration Calculations

Parameter	Tritium	Unit(s)
Hydraulic Conductivity	200[1]	m/d
Mobile Porosity	0.18*	-
Distribution Coefficient	0.0*	m^3/kg
Bulk density	1900*	kg/m^3
Retardation Rate	1000.*	-
Half Life	12.3*	years
Half Life	4,493*	days
Rate of Decay	1.543E-04*	1/day

* Parameters are based upon those presented in ECF-200P01-09-2352, *200-PO-1 Remedial Investigation Report – Near-Field Groundwater Contaminant Fate and Transport Modeling*; ECF-100KR4-11-0113, *Modeling of RI/FS Design Alternatives for 100-KR-4*; ECF-100KR2-12-0021, *Modeling Evaluation of Waste Sites Near 100-KE Reactor*; SGW-46279 , *Conceptual Framework and Numerical Implementation of 100 Areas Groundwater Flow and Transport Model*; PNNL-14031, *Evaluation of Potential Sources for Tritium Detected in Groundwater at Well 199-K-111A, 100-K Area*; PNNL-13404, *Hanford Site Groundwater Monitoring for Fiscal Year 2000*.

Table 3-4. Summary of Migrated Data used in the 100-BC-5 Mapping Analysis - Well: 199-B8-7

Date	Grad Mag (degrees)	Grad Azim (degrees)	Easting (m)	Northing (m)	Value (pCi/L)
1/13/2010	n/a	n/a	564761	144045	28,000
12/31/2011	0.00009	40.30221404	564807	144100	25,069
12/31/2012	0.000273177	40.30221404	564879	144185	23,693

Table 3-5. Summary of Migrated Data used in the 100-BC-5 Mapping Analysis—Well: 199-B8-8

Date	Grad Mag (degrees)	Grad Azim (degrees)	Easting (m)	Northing (m)	Value (pCi/L)
1/13/2010	n/a	n/a	565006	144001	28,000
12/31/2011	0.00009	40.30221404	565052	144056	25,069
12/31/2012	0.000273177	40.30221404	565124	144140	23,693

[1] Estimated hydraulic conductivity value per project scientist, based on the recent PNNL tracer study conducted at the 100-C-7:1 excavation site (PNNL-21845, *Investigation of Hexavalent Chromium Flux to Groundwater at the 100-C-7:1 Excavation Site*) and data from previous investigations at the GIA (SGW-44022, *Geohydrologic Data Package in Support of 100-BC-5 Modeling*). Reported hydraulic conductivity estimates in PNNL-21845 are significantly higher than those reported previously, but reflect local-scale hydraulic properties in the lower vadose zone near the water table.

Some older characterization data were excluded from the chromium, strontium-90, and nitrate datasets by the GIA project scientist. A full list of removed data is provided in Table B-3 of Appendix B.

3.1.2 100-KR4

A list of the COIs in 100-KR-4 and corresponding kriging interpolation parameters is provided in Table 3-6. To ensure continuity in the depictions of COIs that cross the GIA boundary, some measured data and other points from the 100-NR-2 area (Section 3.1.3) were included in the datasets for 100-KR-4. The QUANTILE input datasets are provided in Appendix C.

Table 3-6. COIs and Interpolation Parameters for 100-KR-4

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Carbon-14	QK	280	700	315	100KR4_Carbon14_Ave.dat
Chromium High River Stage	MIK	650	1170	345	100KR4_Chromium_high_CMiller.dat
Chromium Low River Stage	MIK	650	1170	344	100KR4_Chromium_low_CMiller.dat
Nitrate	QK	830	1100	315	100KR4_Nitrate_Ave.dat
Strontium-90	MIK	400	600	335	100KR4_Sr90_Ave.dat
Trichloroethene (TCE)	LOG	400	750	315	100KR4_TCE_Ave.dat
Tritium	MIK	830	1200	315	100KR4_Tritium_Ave.dat

The data selection procedure, as detailed in Section 2, was followed for all COIs except chromium.

The chromium dataset comprised average concentration values calculated using hexavalent chromium (filtered or unfiltered) and filtered total chromium measurements at each monitoring location. Chromium plume maps were developed for high and low river stage conditions. High river stage corresponds to the period between March 16, 2012 and August 31, 2012 and low river stage corresponds to the period between September 1, 2012 and December 31, 2012. The data selection procedure described in Section 2 was modified as follows:

For High River Stage Maps:

1. For aquifer tubes and wells, the average concentration measured during the high river stage period (March 16, 2012 to August 31, 2012) was used.
2. If an aquifer tube was not measured during the high river stage period, but was below the reporting limit (RL) during low river stage, a concentration value of zero (0.0) was used. Otherwise, the aquifer tube was excluded.
3. If a well was not measured during the high river stage period, then the average concentration during the entire year (2012) was used. If no data were available for 2012, then the average concentration during 2011 or 2010 was used, according to the logic described in Section 2.1.1

For Low River Stage Maps:

1. For aquifer tubes and wells, the average concentration measured during the low river stage period (September 1, 2012 – December 31, 2012) was used.
2. If an aquifer tube was not measured during the low river stage period, it was excluded.
3. If a well was not measured during the low river stage period, then the average concentration during the entire year (2012) was used. If no data were available for 2012, then the average concentration during 2011 or 2010 was used, according to the logic described in Section 2.1.1.

The highest concentration per aquifer tube cluster was selected in each COI. Points representing average effluent concentrations were added at the location of the 100-K Area injection wells for each COI. In addition, in the 100-KR4 GIA, other points were used to support the interpolation of the strontium-90 and carbon-14 plumes. The supplemental other points comprise two categories: migrated data and interpolated data. A list of all other points is provided in Table 3-7. A description of the techniques used to calculate values and locations for the supplemental migrated data and interpolated data is provided in Section 3.1.2.1.

Table 3-7. Other Points in 100-KR-4

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
569122.2	146748.5	118	199-K-109A	Carbon-14	1	Result from last sampling event on 3/19/2008. Well decommissioned in May 2008
570017.2	147418.3	10.5	199-K-121A	Carbon-14	1	Average 2012 P&T Effluent concentration
569975.1	147172.9	10.5	199-K-122A	Carbon-14	1	Average 2012 P&T Effluent concentration
569931.1	147090.3	10.5	199-K-123A	Carbon-14	1	Average 2012 P&T Effluent concentration
570009.6	147257.5	10.5	199-K-128	Carbon-14	1	Average 2012 P&T Effluent concentration
570934.4	148088.3	28.2	199-K-143	Carbon-14	1	Average 2012 P&T Effluent concentration
569674	147270.9	28.2	199-K-156	Carbon-14	1	Average 2012 P&T Effluent concentration
568627.4	146164.4	402.5	199-K-158	Carbon-14	1	Average 2012 P&T Effluent concentration
570911.8	149159.6	28.2	199-K-159	Carbon-14	1	Average 2012 P&T Effluent concentration
570919.6	149116	28.2	199-K-160	Carbon-14	1	Average 2012 P&T Effluent concentration
571202.3	148903.7	28.2	199-K-164	Carbon-14	1	Average 2012 P&T Effluent concentration
569989	147555	28.2	199-K-169	Carbon-14	1	Average 2012 P&T Effluent concentration

Table 3-7. Other Points in 100-KR-4

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
570009	147491.4	28.2	199-K-170	Carbon-14	1	Average 2012 P&T Effluent concentration
570871.7	147166.4	28.2	199-K-172	Carbon-14	1	Average 2012 P&T Effluent concentration
568915.4	146222.5	402.5	199-K-174	Carbon-14	1	Average 2012 P&T Effluent concentration
568882.8	146008.8	402.5	199-K-175	Carbon-14	1	Average 2012 P&T Effluent concentration
569847.3	147481.9	10.5	199-K-179	Carbon-14	1	Average 2012 P&T Effluent concentration
571116.1	147449.1	28.2	199-K-180	Carbon-14	1	Average 2012 P&T Effluent concentration
569155.9	146763.8	323	199-K-27	Carbon-14	1	Result from last sampling event on 3/19/2008. Well decommissioned in May 2008.
570017.2	147418.3	2.6	199-K-121A	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
569975.1	147172.9	2.6	199-K-122A	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
569931.1	147090.3	2.6	199-K-123A	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
570009.6	147257.5	2.6	199-K-128	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
570934.4	148088.3	2.4	199-K-143	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
569674	147270.9	2.4	199-K-156	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
568627.4	146164.4	0	199-K-158	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
570911.8	149159.6	2.4	199-K-159	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
570919.6	149116	2.4	199-K-160	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
571202.3	148903.7	2.4	199-K-164	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
569989	147555	2.4	199-K-169	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
570009	147491.4	2.4	199-K-170	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration

Table 3-7. Other Points in 100-KR-4

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
570871.7	147166.4	2.4	199-K-172	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
568915.4	146222.5	0	199-K-174	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
568882.8	146008.8	0	199-K-175	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
569847.3	147481.9	2.6	199-K-179	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
571116.1	147449.1	2.4	199-K-180	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
569238.1	146781	7.3	199-K-30	Hexavalent Chromium	1	Result from last sampling event on 12/2/2010. Well decommissioned in January 2011. (Data point became available after original data pull)
569122.2	146748.5	14000	199-K-109A	Nitrate	1	Result from last sampling event on 3/19/2008. Well decommissioned in May 2008.
570017.2	147418.3	15867	199-K-121A	Nitrate	1	Average 2012 P&T Effluent concentration
569975.1	147172.9	15867	199-K-122A	Nitrate	1	Average 2012 P&T Effluent concentration
569931.1	147090.3	15867	199-K-123A	Nitrate	1	Average 2012 P&T Effluent concentration
570009.6	147257.5	15867	199-K-128	Nitrate	1	Average 2012 P&T Effluent concentration
570934.4	148088.3	12200	199-K-143	Nitrate	1	Average 2012 P&T Effluent concentration
569674	147270.9	12200	199-K-156	Nitrate	1	Average 2012 P&T Effluent concentration
568627.4	146164.4	24250	199-K-158	Nitrate	1	Average 2012 P&T Effluent concentration
570911.8	149159.6	12200	199-K-159	Nitrate	1	Average 2012 P&T Effluent concentration
570919.6	149116	12200	199-K-160	Nitrate	1	Average 2012 P&T Effluent concentration
571202.3	148903.7	12200	199-K-164	Nitrate	1	Average 2012 P&T Effluent concentration
569989	147555	12200	199-K-169	Nitrate	1	Average 2012 P&T Effluent concentration

Table 3-7. Other Points in 100-KR-4

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
570009	147491.4	12200	199-K-170	Nitrate	1	Average 2012 P&T Effluent concentration
570871.7	147166.4	12200	199-K-172	Nitrate	1	Average 2012 P&T Effluent concentration
568915.4	146222.5	24250	199-K-174	Nitrate	1	Average 2012 P&T Effluent concentration
568882.8	146008.8	24250	199-K-175	Nitrate	1	Average 2012 P&T Effluent concentration
569847.3	147481.9	15867	199-K-179	Nitrate	1	Average 2012 P&T Effluent concentration
571116.1	147449.1	12200	199-K-180	Nitrate	1	Average 2012 P&T Effluent concentration
569155.9	146763.8	20100	199-K-27	Nitrate	1	Result from last sampling event on 3/19/2008. Well decommissioned in May 2008. (Data point became available after original data pull)
568592	146978.8	48700	C6241	Nitrate	1	2011 Sampling Result (Data point became available after original data pull)
569122.2	146748.5	1120	199-K-109A	Strontium-90	1	Result from last sampling event on 3/19/2008. Well decommissioned in May 2008
570017.2	147418.3	1.9	199-K-121A	Strontium-90	1	Average 2012 P&T Effluent concentration
569975.1	147172.9	1.9	199-K-122A	Strontium-90	1	Average 2012 P&T Effluent concentration
569931.1	147090.3	1.9	199-K-123A	Strontium-90	1	Average 2012 P&T Effluent concentration
570009.6	147257.5	1.9	199-K-128	Strontium-90	1	Average 2012 P&T Effluent concentration
570934.4	148088.3	2.5	199-K-143	Strontium-90	1	Average 2012 P&T Effluent concentration
569674	147270.9	2.5	199-K-156	Strontium-90	1	Average 2012 P&T Effluent concentration
568627.4	146164.4	0.14	199-K-158	Strontium-90	1	Average 2012 P&T Effluent concentration
570911.8	149159.6	2.5	199-K-159	Strontium-90	1	Average 2012 P&T Effluent concentration
570919.6	149116	2.5	199-K-160	Strontium-90	1	Average 2012 P&T Effluent

Table 3-7. Other Points in 100-KR-4

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
						concentration
571202.3	148903.7	2.5	199-K-164	Strontium-90	1	Average 2012 P&T Effluent concentration
569989	147555	2.5	199-K-169	Strontium-90	1	Average 2012 P&T Effluent concentration
570009	147491.4	2.5	199-K-170	Strontium-90	1	Average 2012 P&T Effluent concentration
570871.7	147166.4	2.5	199-K-172	Strontium-90	1	Average 2012 P&T Effluent concentration
568915.4	146222.5	0.14	199-K-174	Strontium-90	1	Average 2012 P&T Effluent concentration
568882.8	146008.8	0.14	199-K-175	Strontium-90	1	Average 2012 P&T Effluent concentration
569847.3	147481.9	1.9	199-K-179	Strontium-90	1	Average 2012 P&T Effluent concentration
571116.1	147449.1	2.5	199-K-180	Strontium-90	1	Average 2012 P&T Effluent concentration
569155.9	146763.8	0.613	199-K-27	Strontium-90	1	Result from most recent sampling event on 3/19/2008. Well decommissioned in May 2008. Measurement was below detection limit. Reported value is used.
569238.1	146781	0	199-K-30	Strontium-90	1	Result from last sampling event on 12/2/2010. Well decommissioned in January 2011. (Data point became available after original data pull)
568627.4	146164.4	4.45	199-K-158	TCE	1	Average 2012 P&T Effluent concentration
568915.4	146222.5	4.45	199-K-174	TCE	1	Average 2012 P&T Effluent concentration
568882.8	146008.8	4.45	199-K-175	TCE	1	Average 2012 P&T Effluent concentration
570017.2	147418.3	15333	199-K-121A	Tritium	1	Average 2012 P&T Effluent concentration
569975.1	147172.9	15333	199-K-122A	Tritium	1	Average 2012 P&T Effluent concentration
569931.1	147090.3	15333	199-K-123A	Tritium	1	Average 2012 P&T Effluent concentration
570009.6	147257.5	15333	199-K-128	Tritium	1	Average 2012 P&T Effluent

Table 3-7. Other Points in 100-KR-4

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
						concentration
570934.4	148088.3	1900	199-K-143	Tritium	1	Average 2012 P&T Effluent concentration
569674	147270.9	1900	199-K-156	Tritium	1	Average 2012 P&T Effluent concentration
568627.4	146164.4	1625	199-K-158	Tritium	1	Average 2012 P&T Effluent concentration
570911.8	149159.6	1900	199-K-159	Tritium	1	Average 2012 P&T Effluent concentration
570919.6	149116	1900	199-K-160	Tritium	1	Average 2012 P&T Effluent concentration
571202.3	148903.7	1900	199-K-164	Tritium	1	Average 2012 P&T Effluent concentration
569989	147555	1900	199-K-169	Tritium	1	Average 2012 P&T Effluent concentration
570009	147491.4	1900	199-K-170	Tritium	1	Average 2012 P&T Effluent concentration
570871.7	147166.4	1900	199-K-172	Tritium	1	Average 2012 P&T Effluent concentration
568915.4	146222.5	1625	199-K-174	Tritium	1	Average 2012 P&T Effluent concentration
568882.8	146008.8	1625	199-K-175	Tritium	1	Average 2012 P&T Effluent concentration
569847.3	147481.9	15333	199-K-179	Tritium	1	Average 2012 P&T Effluent concentration
571116.1	147449.1	1900	199-K-180	Tritium	1	Average 2012 P&T Effluent concentration
569155.9	146763.8	3500	199-K-27	Tritium	1	Result from last sampling event on 3/19/2008. Well decommissioned in May 2008
568690	146544	39532	199-K-106A MIG	Carbon-14	3	Migrated Data
569229	146833	22948	199-K-30 MIG	Carbon-14	3	Migrated Data
569131	146894	2196.71	C14 2-East	Carbon-14	3	Interpolated Data
568636	146614	3761.82	C14 2-West	Carbon-14	3	Interpolated Data
568578	146480	49.2	199-K-107A MIG	Strontium-90	3	Migrated Data
569120	146760	13195	199-K-109A	Strontium-90	3	Migrated Data

Table 3-7. Other Points in 100-KR-4

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
			MIG			
569060	146840	686.16	Sr90 2-East	Strontium-90	3	Interpolated Data
568577	146597	14.21	Sr90 2-West	Strontium-90	3	Interpolated Data

3.1.2.1 Interpolated and Migrated Data Points in the 100-KR-4 Area

Interpolated and migrated data points were determined for strontium-90 and carbon-14 as described in Section 2.1.1. The historical high-valued samples of carbon-14 that were considered in the migration calculations are presented in Table 3-8. The historical locations of measured high-concentration carbon-14 are both immediately downgradient of the reactor gas dryer condensate cribs, known release points for carbon-14-contaminated wastewater:

Table 3-8. Historic High Carbon-14 Samples

WELL_NAME	NORTHING (m)	EASTING (m)	C14 Max (pCi/L)	Sample Date
199-K-30 (vicinity of 105-KE)	146781	569238	23,000	6/3/1993
199-K-106A (vicinity of 105-KW)	146502	568697	39,600	9/29/1997

Two interpolated values (C14 2-East and C14 2-West) were also added to the carbon-14 input dataset.

For strontium-90, the historical high-valued samples that were considered in the migration calculations are presented in Table 3-9. Note that the historical locations of measured high-concentration strontium-90 are both immediately downgradient of the reactor fuel storage basin overflow cribs/reverse wells, known release points for strontium-90-contaminated wastewater:

Table 3-9. Historic High Strontium-90 Samples

WELL_NAME	NORTHING (m)	EASTING (m)	Sr90 Max (pCi/L)	Sample Date
199-K-107A (vicinity of 105-KW)	146469	568580	70.1	4/24/1997
199-K-109A (vicinity of 105-KE)	146748	569122	18,600	9/25/1997

Two interpolated values (Sr90 2-East and Sr90 2-West) were also added in the strontium-90 dataset. Parameters used in the calculations are tabulated in this subsection as shown in Table 3-10:

Table 3-10. Parameters Used in Interpolation-Migration Calculations

Parameter	Strontium-90	Carbon-14	Unit(s)
Hydraulic Conductivity	8	8	m/d
Hydraulic Gradient (Magnitude)	0.00292[a], 0.005[b]	0.00292[a], 0.005[b]	-

Table 3-10. Parameters Used in Interpolation-Migration Calculations

Parameter	Strontium-90	Carbon-14	Unit(s)
Hydraulic Gradient (Azimuth)	350	350	-
Mobile Porosity	0.18	0.18	-
Distribution Coefficient	0.007	0.0018	m^3/kg
Bulk Density	1900	1900	kg/m^3
Retardation Rate	74.9	20.0	-
Half Life	28.8	5730	years
Half Life	10,519	2,092,883	days
Rate of Decay	6.59E-05	3.31E-07	1/day

a. Prior to KW P&T remedy

b. Following commencement of KW P&T remedy

* Parameters are based upon those presented in ECF-200P01-09-2352, *200-PO-1 Remedial Investigation Report – Near-Field Groundwater Contaminant Fate and Transport Modeling*; ECF-100KR4-11-0113, *Modeling of RI/FS Design Alternatives for 100-KR-4*; ECF-100KR2-12-0021, *Modeling Evaluation of Waste Sites Near 100-KE Reactor*; SGW-46279, *Conceptual Framework and Numerical Implementation of 100 Areas Groundwater Flow and Transport Model*; PNNL-14031, *Evaluation of Potential Sources for Tritium Detected in Groundwater at Well 199-K-111A, 100-K Area*; PNNL-13404, *Hanford Site Groundwater Monitoring for Fiscal Year 2000*.

The migrated data and interpolated data that result from these calculations are presented in Table 3-11 and 3.12, respectively. It should be noted that the inputs and outputs for these calculations are identical to those presented in last year's report, per the instruction from the project scientist.

Table 3-11. Summary of Migrated Data used in the 100-KR-4 Mapping Analysis

Date	Grad Mag (degrees)	Grad Azim (degrees)	Easting (m)	Northing (m)	Value (pCi/L)
Contaminant: Strontium-90 Well: 199-K-107A					
4/24/1997	n/a	n/a	568580	146469	70.1
1/1/2007	0.00292	350	568579	146475	55.5
12/31/2011	*0.005*	*350*	*568578*	*146480*	*49.2*
Contaminant: Strontium-90 Well: 199-K-109A					
9/25/1997	n/a	n/a	569122	146748	18,600
1/1/2007	0.00292	350	569121	146754	14,881
12/31/2011	*0.005*	*350*	*569120*	*146760*	*13,195*
Contaminant: Carbon-14 Well: 199-K-30A					
6/3/1993	n/a	n/a	569238	146781	23,000
1/1/2007	0.00292	350	569233	146813	22,962

Table 3-11. Summary of Migrated Data used in the 100-KR-4 Mapping Analysis

Date	Grad Mag (degrees)	Grad Azim (degrees)	Easting (m)	Northing (m)	Value (pCi/L)
12/31/2011	*0.005*	*350*	*569229*	*146833*	*22,948*
Contaminant: Carbon-14 Well: 199-K-106A					
9/29/1997	n/a	n/a	568697	146502	39,600
1/1/2007	0.00292	350	568694	146524	39,556
12/31/2011	*0.005*	*350*	*568690*	*146544*	*39,532*

Table 3-12. Summary of Interpolated Data used in the 100-KR-4 Mapping Analysis

Relative Location	Well	Easting (m)	Northing (m)	Value (pCi/L)	Sample Date
Contaminant: Strontium-90 Location: K-East					
Upgradient	199-K-109A	569122	146748	18,600	9/25/1997
Downgradient	199-K-32A	569024	147007	4.66	2011
Interpolated	*"Sr90 2-East"*	*569060*	*146840*	*686.16*	*n/a*
Contaminant: Strontium-90 Location: K-West					
Upgradient	199-K-107A	568580	146469	70.10	4/24/1997
Downgradient	199-K-185	568574.9	146726.2	2.85	2011
Interpolated	*"Sr90 2-West"*	*568577*	*146597*	*14.21*	*n/a*
Contaminant: Carbon-14 Location: K-East					
Upgradient	199-K-30	569238	146781	23,000.00	6/3/1993
Downgradient	199-K-32A	569024	147007	207.50	2011
Interpolated	"C14 2-East"	569131	146894	2,196.71	n/a
Contaminant: Carbon-14 Location: K-West					
Upgradient	199-K-106A	568697	146502	39,600	9/29/1997
Downgradient	199-K-185	568575	146726	354.75	2011
Interpolated	"C14 2-West"	568636	146614	3761.82	n/a

3.1.2.2 Discussion

The resulting migrated data and interpolated data locations and values were used, along with recent sample data, to describe local conditions during preparation of groundwater contaminant plumes for these local areas (Table 3-7). As a result, the inferred groundwater plumes of strontium-90 and carbon-14 near

the 105-DE and 105-KW Reactors exhibit substantially higher maximum concentrations and larger apparent spatial distribution than would have been inferred if the calculated concentrations had not been included in the plume construction.

Addition of these supplemental points yields results that are qualitatively consistent with recent findings; for example, influent concentrations at groundwater P&T extraction wells. For example, well 199-K-141, located downgradient of the strontium-90 plume at 105-KE Reactor, had not exhibited any detectable strontium-90 until it entered service as an extraction well. The strontium-90 concentration at this well has increased steadily since that time and the concentration is consistent with the inferred plume distribution based on the derived migrated and interpolated data points described in this subsection.

The strontium-90 concentration time series for former well 199-K-109A, located near the fuel storage basin crib/reverse well, is shown in Figure 3-1. The decrease in measured concentration between about 1997 and the last year of measurement at that well (2008) is greater than can be attributed to radioactive decay. The plume has, therefore, undergone migration that resulted in movement of the water at peak concentration away from the release point. Figure 3-1 shows that the strontium-90 concentration in well 199-K-141 was below detection limits for several years, followed by the rapid and apparently linear increase in concentration since initiation of groundwater extraction from that well. Well 199-K-32A exhibits a historical detection of strontium-90 and was selected as the downgradient well for interpolation, and well 199-K-142 recently exhibited its first detection of strontium-90 (Figure 3-1).

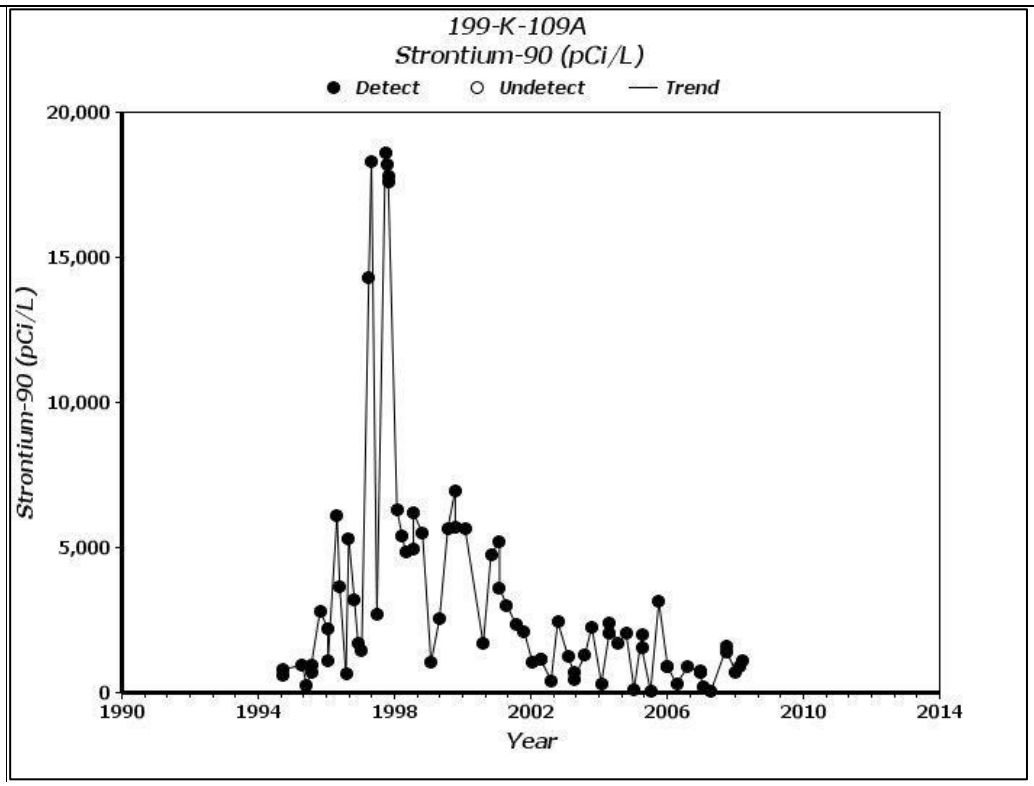
3.1.3 100-NR-2

The data selection procedure, as detailed in Section 2, was followed for each COI. A list of the COIs in 100-NR-2 and corresponding kriging interpolation parameters are provided in Table 3-13. Plume maps were developed using a single kriging grid for the entire GIA. To ensure continuity in the depictions of COIs that cross the GIA boundary, some measured data and other points from the 100-KR-4 area were included in the datasets for 100-NR-2, and points representing average effluent concentrations were added at the 100-NR Area injection wells, as described in Section 3.1.2 (Table 3-7). The QUANTILE input datasets are provided in Appendix C.

The stontium-90 concentration value at well 199-N-32 was excluded from the dataset by the project scientist since the results from this well (non-detects since September 2001) appear nonrepresentative of aquifer concentrations compared to concentrations detected in nearby wells; however, the excluded value is posted on the plume map provided in Appendix D. Well 199-N-182 was also removed from the strontium-90 plume because it is screened in the deeper part of the aquifer and, therefore, strontium-90 concentrations at that well are not representative of conditions at the water table. A full list of wells and/or measurements excluded from the mapping analysis is provided in Tables B-1 through B-3 of Appendix B.

3.1.4 100-HR-3

A list of the COIs in 100-HR-3 and corresponding kriging interpolation parameters are provided in Table 3-14. The QUANTILE input datasets are provided in Appendix C. Nitrate, strontium-90, and tritium plume maps were developed using a single variogram and kriging grid for the entire GIA. Chromium maps were developed considering two separate areas, roughly corresponding to 100-D and the Horn/100-H, respectively, using a fine interpolation grid in each area.



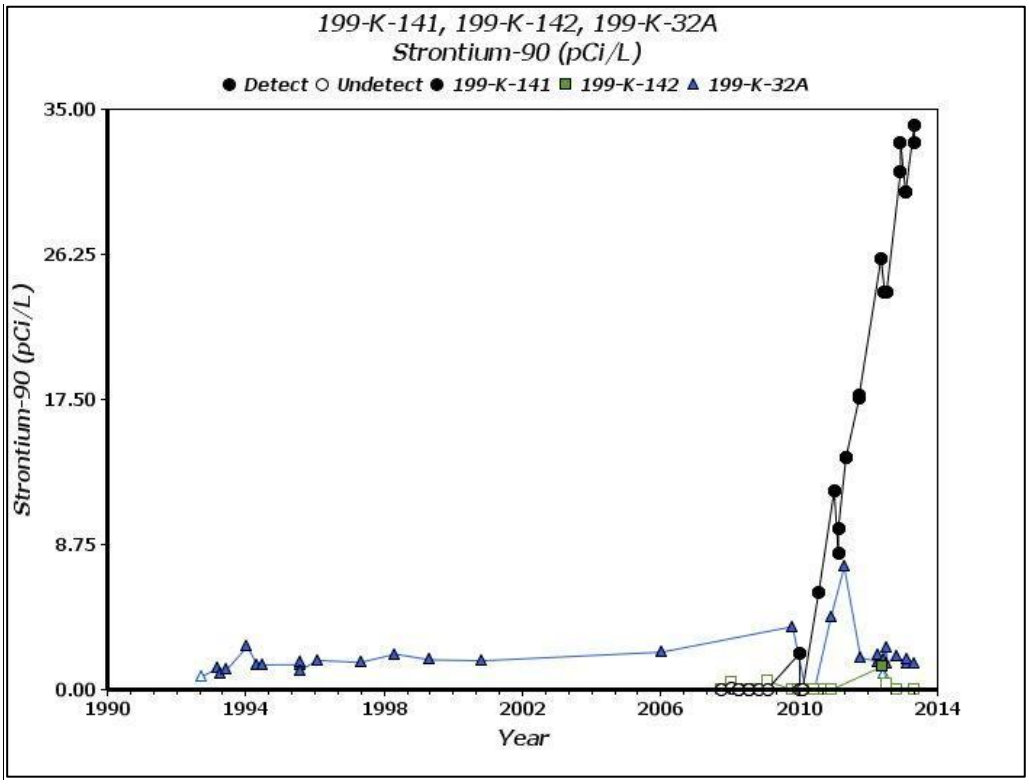


Figure 3-1. Strontium-90 Time-Series Plots

Table 3-13. COIs and Interpolation Parameters for 100-NR-2

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Nitrate	MIK	850	1700	330	100NR2_Nitrate_Ave.dat
Strontium-90	MIK	400 80	600 200	10 335	100NR2_Sr90_Ave.dat 100NR2_Sr90_Ave_C7934.dat
TPH - diesel	MIK	700	1400	290	100NR2_TPHd_Ave.dat
Tritium	QK	400	350	40	100NR2_Tritium_Ave_Rev1.dat

Table 3-14. COIs and Interpolation Parameters for 100-HR-3

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Chromium High river stage 100-D area	MIK	2000	2000	0	100D_Chromium_high_Matt_MIK.dat
Chromium High river stage 100-H area	MIK	1000	1300	90	100D_Chromium_low_matt_MIK.dat
Chromium Low river stage 100-D area	MIK	2000	2000	-40	100H_Chromium_high_Matt_MIK.dat
Chromium Low river stage 100-H area	MIK	1000	1300	80	100H_Chromium_low_matt_MIK.dat
Nitrate	MIK	1000	1000	45	100HR3_Nitrate_Ave_Matt.dat
Strontium-90	MIK	300	600	100	100HR3_Sr90_Ave_Matt.dat
Tritium	MIK	1000	1000	0	100HR3_Tritium_Ave_Matt.dat

The data selection procedure, as detailed in Section 2, was followed for all COIs except chromium.

The chromium dataset comprised average concentration values calculated using hexavalent chromium (filtered or unfiltered) and filtered total chromium measurements at each monitoring location. Chromium plume maps were developed for high and low river stage conditions. High river stage corresponds to the period between March 16, 2012 and August 31, 2012 and low river stage corresponds to the period between September 1, 2012 and December 31, 2012. The data selection procedure described in Section 2 was modified as follows:

For High River Stage Maps:

1. For aquifer tubes and wells, the average concentration measured during the high river stage period (March 16, 2012 to August 31, 2012) was used.
2. If an aquifer tube was not measured during the high river stage period, but was below the RL during low river stage, a concentration value of zero (0.0) was used. Otherwise, the aquifer tube was excluded.
3. If a well was not measured during the high river stage period, then the average concentration during the entire year (2012) was used. If no data were available during 2012, then the average concentration during 2011 or 2010 was used, according to the logic described in Section 2.1.1.

For Low River Stage Maps:

1. For aquifer tubes and wells, the average concentration measured during the low river stage period (September 1, 2012 – December 31, 2012) was used.
2. If an aquifer tube was not measured during the low river stage period, it was excluded.
3. If a well was not measured during the low river stage period, then the average concentration during the entire year (2012) was used. If no data were available for 2011, then the average concentration during 2011 or 2010 was used, according to the logic described in Section 2.1.1.

The highest concentration per aquifer tube cluster was selected for each COI. Data for 2011 and 2010 were excluded from the chromium and nitrate input data sets. A full list of removed data is provided in Tables B-2 and B-3 of Appendix B.

For each COI, points representing average effluent concentrations were added at the location of the 100-HR-3 Area injection wells (Table 3-15).

Table 3-15. Other Points in 100-HR-3

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
574470.9	153465.2	1.58	199-D2-10	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
574343.4	153300	1.58	199-D2-12	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
573622.4	151237.3	1.58	199-D5-128	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
573735.5	151465.1	1.58	199-D5-129	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
573479.8	151622.7	1.58	199-D5-42	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
572993.6	151835.7	1.58	199-D5-44	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
574129.9	151691.7	1.58	199-D6-1	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
574544.6	151970.2	1.58	199-D6-2	Hexavalent	1	Average 2012 P&T

Table 3-15. Other Points in 100-HR-3

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
				Chromium		Effluent concentration
574377.1	152369.6	1.58	199-D7-4	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
574434.3	152678.7	1.58	199-D7-5	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
573620.9	152364.3	1.58	199-D8-55	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
574148.7	153085.8	1.58	199-D8-93	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
574047.8	152949.5	1.58	199-D8-94	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
574006.8	152364.4	1.58	199-D8-99	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
575706.1	154183.6	0.67	199-H1-20	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
575896.8	154163.8	0.67	199-H1-21	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
577410.4	152978.5	0.67	199-H3-25	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
577440.8	152846.5	0.67	199-H3-26	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
577567.1	152811.1	0.67	199-H3-27	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
577803.8	152752.4	0.67	199-H4-14	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
577779.2	153037.6	0.67	199-H4-17	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
578018.3	152756.5	0.67	199-H4-18	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
578010.6	152581.5	0.67	199-H4-71	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
578036.3	152500.1	0.67	199-H4-72	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
577940.6	152370	0.67	199-H4-73	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
577239.1	152268.8	0.67	199-H4-74	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
576168.3	152166.1	0.67	199-H4-78	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration

Table 3-15. Other Points in 100-HR-3

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
575659.1	151989.3	0.67	199-H4-79	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
577886.5	152194.1	0.67	199-H6-2	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
574470.9	153465.2	27433.33	199-D2-10	Nitrate	1	Average 2012 P&T Effluent concentration
574343.4	153300	27433.33	199-D2-12	Nitrate	1	Average 2012 P&T Effluent concentration
573622.4	151237.3	27433.33	199-D5-128	Nitrate	1	Average 2012 P&T Effluent concentration
573735.5	151465.1	27433.33	199-D5-129	Nitrate	1	Average 2012 P&T Effluent concentration
573479.8	151622.7	27433.33	199-D5-42	Nitrate	1	Average 2012 P&T Effluent concentration
572993.6	151835.7	27433.33	199-D5-44	Nitrate	1	Average 2012 P&T Effluent concentration
574129.9	151691.7	27433.33	199-D6-1	Nitrate	1	Average 2012 P&T Effluent concentration
574544.6	151970.2	27433.33	199-D6-2	Nitrate	1	Average 2012 P&T Effluent concentration
574377.1	152369.6	27433.33	199-D7-4	Nitrate	1	Average 2012 P&T Effluent concentration
574434.3	152678.7	27433.33	199-D7-5	Nitrate	1	Average 2012 P&T Effluent concentration
573620.9	152364.3	27433.33	199-D8-55	Nitrate	1	Average 2012 P&T Effluent concentration
574148.7	153085.8	27433.33	199-D8-93	Nitrate	1	Average 2012 P&T Effluent concentration
574047.8	152949.5	27433.33	199-D8-94	Nitrate	1	Average 2012 P&T Effluent concentration
574006.8	152364.4	27433.33	199-D8-99	Nitrate	1	Average 2012 P&T Effluent concentration
575706.1	154183.6	14050	199-H1-20	Nitrate	1	Average 2012 P&T Effluent concentration
575896.8	154163.8	14050	199-H1-21	Nitrate	1	Average 2012 P&T Effluent concentration
577410.4	152978.5	14050	199-H3-25	Nitrate	1	Average 2012 P&T Effluent concentration
577440.8	152846.5	14050	199-H3-26	Nitrate	1	Average 2012 P&T Effluent concentration

Table 3-15. Other Points in 100-HR-3

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
577567.1	152811.1	14050	199-H3-27	Nitrate	1	Average 2012 P&T Effluent concentration
577803.8	152752.4	14050	199-H4-14	Nitrate	1	Average 2012 P&T Effluent concentration
577779.2	153037.6	14050	199-H4-17	Nitrate	1	Average 2012 P&T Effluent concentration
578018.3	152756.5	14050	199-H4-18	Nitrate	1	Average 2012 P&T Effluent concentration
578010.6	152581.5	14050	199-H4-71	Nitrate	1	Average 2012 P&T Effluent concentration
578036.3	152500.1	14050	199-H4-72	Nitrate	1	Average 2012 P&T Effluent concentration
577940.6	152370	14050	199-H4-73	Nitrate	1	Average 2012 P&T Effluent concentration
577239.1	152268.8	14050	199-H4-74	Nitrate	1	Average 2012 P&T Effluent concentration
576168.3	152166.1	14050	199-H4-78	Nitrate	1	Average 2012 P&T Effluent concentration
575659.1	151989.3	14050	199-H4-79	Nitrate	1	Average 2012 P&T Effluent concentration
577886.5	152194.1	14050	199-H6-2	Nitrate	1	Average 2012 P&T Effluent concentration
574470.9	153465.2	0.54	199-D2-10	Strontium-90	1	Average 2012 P&T Effluent concentration
574343.4	153300	0.54	199-D2-12	Strontium-90	1	Average 2012 P&T Effluent concentration
573622.4	151237.3	0.54	199-D5-128	Strontium-90	1	Average 2012 P&T Effluent concentration
573735.5	151465.1	0.54	199-D5-129	Strontium-90	1	Average 2012 P&T Effluent concentration
573479.8	151622.7	0.54	199-D5-42	Strontium-90	1	Average 2012 P&T Effluent concentration
572993.6	151835.7	0.54	199-D5-44	Strontium-90	1	Average 2012 P&T Effluent concentration
574129.9	151691.7	0.54	199-D6-1	Strontium-90	1	Average 2012 P&T Effluent concentration
574544.6	151970.2	0.54	199-D6-2	Strontium-90	1	Average 2012 P&T Effluent concentration
574377.1	152369.6	0.54	199-D7-4	Strontium-90	1	Average 2012 P&T Effluent concentration

Table 3-15. Other Points in 100-HR-3

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
574434.3	152678.7	0.54	199-D7-5	Strontium-90	1	Average 2012 P&T Effluent concentration
573620.9	152364.3	0.54	199-D8-55	Strontium-90	1	Average 2012 P&T Effluent concentration
574148.7	153085.8	0.54	199-D8-93	Strontium-90	1	Average 2012 P&T Effluent concentration
574047.8	152949.5	0.54	199-D8-94	Strontium-90	1	Average 2012 P&T Effluent concentration
574006.8	152364.4	0.54	199-D8-99	Strontium-90	1	Average 2012 P&T Effluent concentration
575706.1	154183.6	1.66	199-H1-20	Strontium-90	1	Average 2012 P&T Effluent concentration
575896.8	154163.8	1.66	199-H1-21	Strontium-90	1	Average 2012 P&T Effluent concentration
577410.4	152978.5	1.66	199-H3-25	Strontium-90	1	Average 2012 P&T Effluent concentration
577440.8	152846.5	1.66	199-H3-26	Strontium-90	1	Average 2012 P&T Effluent concentration
577567.1	152811.1	1.66	199-H3-27	Strontium-90	1	Average 2012 P&T Effluent concentration
577803.8	152752.4	1.66	199-H4-14	Strontium-90	1	Average 2012 P&T Effluent concentration
577779.2	153037.6	1.66	199-H4-17	Strontium-90	1	Average 2012 P&T Effluent concentration
578018.3	152756.5	1.66	199-H4-18	Strontium-90	1	Average 2012 P&T Effluent concentration
578010.6	152581.5	1.66	199-H4-71	Strontium-90	1	Average 2012 P&T Effluent concentration
578036.3	152500.1	1.66	199-H4-72	Strontium-90	1	Average 2012 P&T Effluent concentration
577940.6	152370	1.66	199-H4-73	Strontium-90	1	Average 2012 P&T Effluent concentration
577239.1	152268.8	1.66	199-H4-74	Strontium-90	1	Average 2012 P&T Effluent concentration
576168.3	152166.1	1.66	199-H4-78	Strontium-90	1	Average 2012 P&T Effluent concentration
575659.1	151989.3	1.66	199-H4-79	Strontium-90	1	Average 2012 P&T Effluent concentration
577886.5	152194.1	1.66	199-H6-2	Strontium-90	1	Average 2012 P&T Effluent concentration

Table 3-15. Other Points in 100-HR-3

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
574470.9	153465.2	2166.67	199-D2-10	Tritium	1	Average 2012 P&T Effluent concentration
574343.4	153300	2166.67	199-D2-12	Tritium	1	Average 2012 P&T Effluent concentration
573622.4	151237.3	2166.67	199-D5-128	Tritium	1	Average 2012 P&T Effluent concentration
573735.5	151465.1	2166.67	199-D5-129	Tritium	1	Average 2012 P&T Effluent concentration
573479.8	151622.7	2166.67	199-D5-42	Tritium	1	Average 2012 P&T Effluent concentration
572993.6	151835.7	2166.67	199-D5-44	Tritium	1	Average 2012 P&T Effluent concentration
574129.9	151691.7	2166.67	199-D6-1	Tritium	1	Average 2012 P&T Effluent concentration
574544.6	151970.2	2166.67	199-D6-2	Tritium	1	Average 2012 P&T Effluent concentration
574377.1	152369.6	2166.67	199-D7-4	Tritium	1	Average 2012 P&T Effluent concentration
574434.3	152678.7	2166.67	199-D7-5	Tritium	1	Average 2012 P&T Effluent concentration
573620.9	152364.3	2166.67	199-D8-55	Tritium	1	Average 2012 P&T Effluent concentration
574148.7	153085.8	2166.67	199-D8-93	Tritium	1	Average 2012 P&T Effluent concentration
574047.8	152949.5	2166.67	199-D8-94	Tritium	1	Average 2012 P&T Effluent concentration
574006.8	152364.4	2166.67	199-D8-99	Tritium	1	Average 2012 P&T Effluent concentration
575706.1	154183.6	1450	199-H1-20	Tritium	1	Average 2012 P&T Effluent concentration
575896.8	154163.8	1450	199-H1-21	Tritium	1	Average 2012 P&T Effluent concentration
577410.4	152978.5	1450	199-H3-25	Tritium	1	Average 2012 P&T Effluent concentration
577440.8	152846.5	1450	199-H3-26	Tritium	1	Average 2012 P&T Effluent concentration
577567.1	152811.1	1450	199-H3-27	Tritium	1	Average 2012 P&T Effluent concentration
577803.8	152752.4	1450	199-H4-14	Tritium	1	Average 2012 P&T Effluent concentration

Table 3-15. Other Points in 100-HR-3

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
577779.2	153037.6	1450	199-H4-17	Tritium	1	Average 2012 P&T Effluent concentration
578018.3	152756.5	1450	199-H4-18	Tritium	1	Average 2012 P&T Effluent concentration
578010.6	152581.5	1450	199-H4-71	Tritium	1	Average 2012 P&T Effluent concentration
578036.3	152500.1	1450	199-H4-72	Tritium	1	Average 2012 P&T Effluent concentration
577940.6	152370	1450	199-H4-73	Tritium	1	Average 2012 P&T Effluent concentration
577239.1	152268.8	1450	199-H4-74	Tritium	1	Average 2012 P&T Effluent concentration
576168.3	152166.1	1450	199-H4-78	Tritium	1	Average 2012 P&T Effluent concentration
575659.1	151989.3	1450	199-H4-79	Tritium	1	Average 2012 P&T Effluent concentration
577886.5	152194.1	1450	199-H6-2	Tritium	1	Average 2012 P&T Effluent concentration

3.1.5 100-FR-3

A list of the COIs in 100-FR-3 and corresponding kriging interpolation parameters is provided in Table 3-16. Plume maps were developed using a single kriging grid covering the entire GIA. The QUANTILE input datasets are provided in Appendix C. The data selection procedure, as detailed in Section 2, was followed for each COI.

Table 3-16. COIs and Interpolation Parameters for 100-FR-3

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Chromium	MIK	800	1400	45	100FR3_Chromium_Ave.dat 100FR3_Chromium_Ave_RevV4.dat
Nitrate	QK	3000	3000	130	100FR3_Nitrate_Ave.dat
Strontium-90	MIK	400	400	45	100FR3_Sr90_Ave.dat
TCE	MIK	1000	1000	70	100FR3_TCE_Ave_Rev.dat

The chromium dataset comprised average concentration values calculated using hexavalent chromium (filtered or unfiltered) and filtered total chromium measurements at each monitoring location. Concentration values for all COIs from borehole locations C8218, C8219, C8220, C8221, and C8222

were excluded from all COI datasets at the direction of the project scientist; these tubes were installed for characterization in the bottom of a waste site excavation and were not considered representative. A full list of wells excluded from the mapping analysis is provided in Table B-1 of Appendix B.

The highest concentration per aquifer tube cluster was selected for each COI.

3.1.6 200-BP-5

The data selection procedure, as detailed in Section 2, was followed for each COI. However, for several COIs, selected measured concentration values were excluded and other points were included in the input datasets in order to better define plume concentrations and extents. Type 2 points were also included to reflect areas where basalt outcrops are thought to impede COI migration. Where multiple source locations occur or distinct historical migration patterns are identified, separate kriging input parameters and corresponding interpolation grids were used to represent the different aquifer conditions and reflect the plume migration in those areas. To ensure continuity in the depictions of COIs that cross the GIA boundary, measured data and other points from the 200-PO-1 (Section 3.1.7) area were included in the datasets for 200-BP-5. The QUANTILE input datasets are provided in Appendix C.

A list of the COIs in 200-BP-5 and corresponding kriging interpolation parameters are provided in Table 3-17. Details on the interpolation dataset and parameters for each COI are provided in the following subsections:

Table 3-17. COIs and Interpolation Parameters for 200-BP-5

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Chromium	QK	400	1650	310	200BP5_Chromium_Ave.dat
Cyanide	QK LOG	950 300	1050 400	320 50	200BP5_Cyanide_Ave_N.dat 200BP5_Cyanide_Ave_S.dat
Iodine-129	MIK	2300	4750	350	200BP5_Iodine129_Ave.dat
Nitrate	MIK QK	2400 650	4350 1000	315 305	200BP5_Nitrate_Ave_Matt_rev1.dat 200BP5_Nitrate_Ave_Matt_rev1z.dat
Strontium-90	LOG	700	2400	305	200BP5_Sr90_Ave.dat
Technetium-99	LOG MIK MIK	1500 950 150	4000 3050 450	310 320 290	200BP5_Tech99_Ave_N.dat 200BP5_Tech99_Ave_S.dat 200BP5_Tech99_Ave_SS.dat
Tritium	MIK	700 900	1000 1000	270 310	200BP5_Tritium_Ave_rev1_N.dat 200BP5_Tritium_Ave_rev1_S.dat
Uranium	MIK	900 300	4000 750	305 60	200BP5_Uranium_Ave_N.dat 200BP5_Uranium_Ave_S.dat

Chromium: Type 2 points were added (0.0 µg/L) to reflect areas where basalt outcrops (Table 3-18). Chromium was mapped using a single variogram and kriging grid for the entire GIA.

Cyanide: Type 2 points were added (0.0 µg/L) to reflect areas where basalt outcrops (Table 3-18). Two variograms were used to map the cyanide plumes, corresponding to the northern and southern plumes identified in the GIA.

Iodine-129: Type 2 points were added (0.0 pCi/L) to reflect areas where basalt outcrops. One Type 3 point (CP_14) was added at the direction of the project scientist (Table 3-18). For measurements flagged with the "U" qualifier or any combination including the "U" qualifier, the reported concentration was used in place of zero for all measurements, at the direction of the GIA project scientists. The iodine-129 plume map was developed using a single variogram and kriging grid for the entire GIA.

Nitrate: Type 2 points were added (0.0 μg/L) to reflect areas where basalt outcrops. Eleven Type 3 points were added at the direction of the project scientist (Table 3-18). Nitrate was mapped using two separate kriging grids and variograms: one for the smaller plume near WMA C and another for the rest of the GIA.

Strontium-90: Type 2 points were added (0.0 pCi/L) to reflect areas where basalt outcrops. Eight Type 3 points were added at the direction of the project scientist (Table 3-18). Strontium-90 was mapped using a single variogram and kriging grid, encompassing the entire GIA.

Technetium-99: Type 2 points were added to reflect areas were basalt outcrops and one (699-50-53A) was added at the direction of the project scientist (Table 3-18). Technetium-99 was mapped using three separate kriging grids and variograms.

Tritium: Type 2 points were added to reflect concentrations of 0.0 pCi/L in areas of basalt outcrop. One Type 3 (CP_14) was added at the direction of the project scientist (Table 3-18). Tritium was mapped using two variograms and kriging grids.

Uranium: Type 2 points were added to reflect concentrations of 0.0 μg/L in areas of basalt outcrop (Table 3-18). Uranium was mapped using two separate kriging grids and variograms to reflect the different source areas.

Table 3-18. Other Points in 200-BP-5

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
571563.5	140268.28125	43600	699-55-60A	Nitrate	1	2012 Sampling Result (Data point became available after original data pull)
575003.125	136429.07813	4500	299-E27-155	Technetium-99	1	2012 Sampling Result included from location from list of Removed Wells.
577122.0625	136067.9375	23000	699-41-42	Tritium	1	2012 Sampling Result included from location from list of Removed Wells.
577638.125	136421.76563	35000	699-42-40A	Tritium	1	2012 Sampling Result included from location from list of Removed Wells.
574787.6573	137608.6244	0	CP02	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
574044.1438	138116.3898	0	CP03	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
573817	138560	0	CP04	All COIs	2	Geologic Control to

Table 3-18. Other Points in 200-BP-5

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
						represent boundary where basalt is present above water table
572992.3441	139131.9204	0	CP05	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
575930.1293	137554.221	0	CP06	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
575658.1122	138696.693	0	CP07	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
574950.8676	139095.6515	0	CP08	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
574279.8919	139549.0134	0	CP09	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
576147.743	138061.9863	0	CP10	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
582277.1961	139675.9547	0	CP11	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
580572.5553	140292.5269	0	CP12	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
579847.1762	140473.8717	0	CP13	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
579194.3351	140637.082	0	CP14	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
578414.5526	140818.4268	0	CP15	All COIs	2	Geologic Control to represent boundary where basalt is present above water table

Table 3-18. Other Points in 200-BP-5

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
577671.0391	141126.7129	0	CP16	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
577036.3324	141326.1921	0	CP17	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
576383.4912	141471.2679	0	CP18	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
575676.2466	141580.0748	0	CP19	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
574950.8676	141688.8816	0	CP20	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
574352.4299	141870.2264	0	CP21	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
573772.1266	142051.5712	0	CP22	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
573119.2855	142232.9159	0	CP23	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
581515.5481	140002.3753	0	CP24	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
570489.7864	139947.9719	0	CP26	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
569855.0797	140510.1407	0	CP27	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
569020.8938	141126.7129	0	CP28	All COIs	2	Geologic Control to represent boundary where basalt is present above

Table 3-18. Other Points in 200-BP-5

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
						water table
568295.5147	141453.1334	0	CP29	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
567678.9425	141707.0161	0	CP30	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
567080.5048	141906.4954	0	CP31	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
566355.1257	142124.1091	0	CP32	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
565684.1501	142323.5883	0	CP33	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
565085.7124	142504.9331	0	CP34	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
564505.4091	142686.2778	0	CP35	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
563852.568	142867.6226	0	CP36	All COIs	2	Geologic Control to represent boundary where basalt is present above water table
575274.1875	137357.75	109000	299-E34-7	Nitrate	1	Result from last sampling event on 4/07/2005. Well sampling dry as of 2008.
573649.6875	138670.48438	455960	699-50-53A	Nitrate	3	Result from 4/14/1992 sampling event. Water in well after 1992 no longer considered representative of unconfined aquifer.
574520	140146	46900	CP_15	Nitrate	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high nitrate concentrations detected in soil samples within 216-A-29, including near well 699-53-47A,

Table 3-18. Other Points in 200-BP-5

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
						where nitrate concentrations have exceeded 45 mg/L since 1997.
574565	140044	46900	CP_16	Nitrate	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high nitrate concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where nitrate concentrations have exceeded 45 mg/L since 1997.
574633	139995	46900	CP_17	Nitrate	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high nitrate concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where nitrate concentrations have exceeded 45 mg/L since 1997.
574709	139877	46900	CP_18	Nitrate	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high nitrate concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where nitrate concentrations have exceeded 45 mg/L since 1997.
574833	139824	46900	CP_19	Nitrate	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high nitrate concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where nitrate concentrations have exceeded 45 mg/L since 1997.
574525	139952	46900	CP_20	Nitrate	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high nitrate concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where nitrate concentrations have exceeded 45 mg/L

Table 3-18. Other Points in 200-BP-5

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
						since 1997.
574620	140075	46900	CP_22	Nitrate	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high nitrate concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where nitrate concentrations have exceeded 45 mg/L since 1997.
574764	139930	46900	CP_23	Nitrate	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high nitrate concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where nitrate concentrations have exceeded 45 mg/L since 1997.
572549	139734	0	CP_29	Nitrate	2	Geologic Control to represent boundary where basalt is present above water
574520	140146	180	CP_15	Strontium-90	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high beta/gamma concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where strontium-90 concentrations have exceeded 8 pCi/L since the early 1980s.
574565	140044	180	CP_16	Strontium-90	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high beta/gamma concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where strontium-90 concentrations have exceeded 8 pCi/L since the early 1980s.
574633	139995	180	CP_17	Strontium-90	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high beta/gamma concentrations detected in

Table 3-18. Other Points in 200-BP-5

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
						soil samples within 216-A-29, including near well 699-53-47A, where strontium-90 concentrations have exceeded 8 pCi/L since the early 1980s.
574709	139877	180	CP_18	Strontium-90	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high beta/gamma concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where strontium-90 concentrations have exceeded 8 pCi/L since the early 1980s.
574833	139824	180	CP_19	Strontium-90	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high beta/gamma concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where strontium-90 concentrations have exceeded 8 pCi/L since the early 1980s.
574525	139952	180	CP_20	Strontium-90	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high beta/gamma concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where strontium-90 concentrations have exceeded 8 pCi/L since the early 1980s.
574620	140075	180	CP_22	Strontium-90	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively high beta/gamma concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where strontium-90 concentrations have exceeded 8 pCi/L since the early 1980s.
574764	139930	180	CP_23	Strontium-90	3	Soil sampling conducted at 216-A-29 in 1999 (BHI-01367). Relatively

Table 3-18. Other Points in 200-BP-5

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
						high beta/gamma concentrations detected in soil samples within 216-A-29, including near well 699-53-47A, where strontium-90 concentrations have exceeded 8 pCi/L since the early 1980s.
573649.6875	138670.48438	14000	699-50-53A	Technetium-99	3	Result from 4/14/1992 sampling event. Water in well after 1992 no longer considered representative of unconfined aquifer.

3.1.7 200-PO-1

A list of the COIs in 200-PO-1 and corresponding kriging interpolation parameters are provided in Table 3-19. Plume maps were developed using a single variogram and kriging grid for the entire GIA. To ensure continuity in the depictions of COIs that cross the GIA boundary, measured data and other points from the 200-BP-5 area were included in the datasets for 200-PO-1 (Section 3.1.6, Table 3-18). The QUANTILE input datasets are provided in Appendix C.

Table 3-19. COIs and Interpolation Parameters for 200-PO-1

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Iodine-129	MIK	3200	7800	110	200PO1_Iodine129_MAX_Matt.dat
Nitrate	MIK	1500	1500	90	200PO1_Nitrate_MAX_Matt.dat
Technetium-99	QK	3610	4800	90	200PO1_Tech99_Ave_Matt.dat
Tritium	MIK	3500 3500	7400 4350	143 75	200PO1_Tritium_Ave_Matt_NS.dat 200PO1_Tritium_Ave_Matt_WE.dat
Uranium	QK	3610	4800	90	200PO1_Tech99_Ave_Matt.dat

The data selection procedure, as detailed in Section 2, was followed for each COI. For tritium and nitrate, measurements taken near the 300-FF-5 Burial Ground were excluded because their source is a separate, local plume not connected with the larger 200-PO-1 plume. The 300-FF-5 Burial Ground plumes are discussed in Section 3.1.10.

For iodine-129 and tritium, other points were added at the direction of the project scientist (Table 3-20).

Table 3-20. Other Points in 200-PO-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
583197.125	133256.8125	6.7	699-32-22A	Iodine-129	1	2012 Sampling Result Reanalysis, which was completed after dataset was extracted from HEIS.
594571.8125	119218.60938	0	C6380	Iodine-129	1	2012 Sampling Result. Non-detect value is set to 0 for this point only.
589905.75	137046.73438	0.26	C6384	Iodine-129	1	2012 Sampling Result. Represents the October measurement only, instead of annual average.
585486	137400	0	CP37	Iodine-129	2	Geologic Control to represent boundary where basalt is present above water
586600	136690	0	CP38	Iodine-129	2	Geologic Control to represent boundary where basalt is present above water
587200	136350	0	CP39	Iodine-129	2	Geologic Control to represent boundary where basalt is present above water
578565	132502	1.5	CP_14	Iodine-129	3	Inferred location of high hydraulic conductivity channel. Concentration based on nearby wells within channel area.
578565	132502	23000	CP_14	Tritium	3	Inferred location of high hydraulic conductivity channel. Concentration based on nearby wells within channel area.

3.1.8 200-ZP-1

A list of the COIs in 200-ZP-1 and corresponding kriging interpolation parameters are provided in Table 3-21. Plume maps were developed using a single variogram and kriging grid for the entire GIA for each COI except nitrate, which was mapped separately near the S/SX area. The QUANTILE input datasets are provided in Appendix C. The data selection procedure, as detailed in Section 2, was followed for each COI. Exceptions to those rules are discussed in the following paragraphs.

Table 3-21. COIs and Interpolation Parameters for 200-ZP-1

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Chromium	QK	950	850	45	200ZP1_Chromium_Ave_Matt.dat
Iodine-129	MIK	800	1050	40	200ZP1_Iodine129_Ave_Matt.dat
Nitrate	MIK	150 2900	280 3600	90 66	200ZP1_Nitrate_Ave_SSX_Matt.dat 200ZP1_Nitrate_Ave_ZP_Matt.dat
TCE	MIK	500	700	85	200ZP1_TCE_Ave.dat
Technetium-99	MIK	750	900	95	200ZP1_Tech99_Ave_Matt.dat
Tritium	MIK	500	800	60	200ZP1_Tritium_Ave_Matt.dat
Carbon Tetrachloride	MIK	1933.3	2400.0	66	200ZP1_CTET.dat

Other points used for the mapping analysis in 200-ZP-1 are shown in Table 3-22. Most COIs were present near the boundaries to the 200-BP-5 and/or 200-UP-1 GIAs. Therefore, measurements from these GIAs were included when appropriate to ensure plume continuity across GIA boundaries. Discussion of additional points included in those datasets can be found in Sections 3.1.6 and 3.1.8, respectively.

The chromium dataset comprised average concentration values calculated using hexavalent chromium (filtered or unfiltered) and filtered total chromium measurements at each monitoring location, except for 95 Performance Monitoring Plan (PMP) wells. For those wells, the maximum of total chromium and hexavalent chromium, based on tabulated data provided by the project scientist, was used (Sally Simmons, personal communication April 9, 2013, Table 3-22).

For iodine-129, calculation of the average annual concentration was based on the reported value for measurements flagged with the “U” qualifier or any combination including the “U” qualifier.

Development of the depiction of the groundwater plume for carbon tetrachloride in 200-West was completed using a process consistent with certain Remedial Action Objectives (RAOs) specified in the Record of Decision (ROD), together with the remedy implementation outlined in the Remedial Design/Remedial Action Work Plan (RD/RA-WP) requirements of the monitoring program for 200-ZP-1 as laid out in the PMP. In accordance with the objectives and requirements set forth in these documents, a three-dimensional (3-D) depiction of the extent of carbon tetrachloride was constructed using data obtained from Fiscal and Calendar Years 2012, comprising the period October 2011 through December 2012 [there is a small number of wells for which data were used outside this period] for use in groundwater modeling calculations to calculate (a) the extent of hydraulic containment developed by the pump-and-treat (P&T) remedy versus the extent of contamination, and (b) likely rates of mass recovery by the P&T system. A step-wise process was followed to assemble the necessary input data to construct the 3-D “plume shells:” this process is detailed in ECF-200ZP1-13-0006, *Description of Groundwater Modeling Calculations for the Calendar Year 2012 (CY2012) 200 Areas Pump-and-Treat Report*. At the completion of that data selection process, a 3-D depiction of the extent of carbon tetrachloride was prepared using methods detailed in ECF-200ZP1-13-0006. Simultaneously, a 2-D depiction of the extent of carbon tetrachloride was constructed using the QUANTILE program and is presented in Appendix D.

Other points representing average effluent concentrations were added at the location of the 200-UP-1 area injection wells for chromium and uranium. The complete list of all other points used in 200-ZP-1 is provided in Table 3-24, as those points are common between the 200-UP-1 and 200-ZP-1 GIAs.

For iodine-129, technetium-99, TCE, and tritium, injection well concentrations were replaced with maximum measured values during drilling for several wells (299-W10-35, 299-W10-36, 299-W15-226, 299-W15-227, 299-W6-13, 299-W6-14, 699-42-67, and 699-44-67). All other injection wells were excluded per the instruction of the project scientist.

For nitrate, injection well concentrations were replaced with maximum measured values during drilling for several wells (299-W10-35, 299-W10-36, 299-W15-226, 299-W15-227, 299-W6-14, 699-42-67, and 699-44-67). All other injection wells were excluded per the instruction of the project scientist.

Two wells (299-W22-80 and 299-W23-15) were excluded from the mapping for chromium, nitrate, technetium-99, and tritium. Additional removed wells include 299-W10-30 from iodine-129, 299-W18-22 from nitrate, and 299-W22-90 from technetiem-99 (Appendix B, Tables B-1 and B-3).

Table 3-22. Other Points in 200-ZP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
566663.125	136734.5625	30.2	299-W10-1	Chromium	1	Maximum 2012 sampling result
566017.1875	136608.89063	10.3	299-W10-14	Chromium	1	Maximum 2012 sampling result
566844	136441.78125	96.43	299-W10-27	Chromium	1	Maximum 2012 sampling result
566082.75	136739.32813	2.76	299-W10-30	Chromium	1	Maximum 2012 sampling result
566266.4375	136968.34375	3.17	299-W10-31	Chromium	1	Maximum 2012 sampling result
566772.75	136610.1875	1.23	299-W10-33	Chromium	1	Maximum 2012 sampling result
566734.625	136578.07813	508.24	299-W10-4	Chromium	1	Maximum 2012 sampling result
567099.375	136424.03125	50.8	299-W11-13	Chromium	1	Maximum 2012 sampling result
567181.9375	137161.48438	27.2	299-W11-18	Chromium	1	Maximum 2012 sampling result
567635.1875	137018	116	299-W11-37	Chromium	1	Maximum 2012 sampling result
567269.75	136971.04688	187	299-W11-43	Chromium	1	Maximum 2012 sampling result
566992.8125	136775.64063	135	299-W11-45	Chromium	1	Maximum 2012 sampling result
566933.8125	136680.70313	109.5	299-W11-47	Chromium	1	Maximum 2012 sampling result

Table 3-22. Other Points in 200-ZP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
566882	136846.1875	87.3	299-W11-48	Chromium	1	Maximum 2012 sampling result
568141.0625	136608.70313	5.63	299-W11-87	Chromium	1	Maximum 2012 sampling result
567874.6875	137113.09375	3.92	299-W11-88	Chromium	1	Maximum 2012 sampling result
568331.25	137206.10938	34.4	299-W12-1	Chromium	1	Maximum 2012 sampling result
568148.75	136048.59375	4.96	299-W13-1	Chromium	1	Maximum 2012 sampling result
566901.6875	136287.625	49.8	299-W14-11	Chromium	1	Maximum 2012 sampling result
566901.6875	136282.375	223.7	299-W14-13	Chromium	1	Maximum 2012 sampling result
566898.375	136181.04688	22.35	299-W14-14	Chromium	1	Maximum 2012 sampling result
567733.4375	135567.8125	40.6	299-W14-71	Chromium	1	Maximum 2012 sampling result
567328.4375	135941.28125	8.15	299-W14-72	Chromium	1	Maximum 2012 sampling result
566412.3125	136000.71875	0	299-W15-11	Chromium	1	Maximum 2012 sampling result
566309.375	135550	11	299-W15-152	Chromium	1	Maximum 2012 sampling result
566306.875	135718.95313	15.8	299-W15-17	Chromium	1	Maximum 2012 sampling result
566433.3125	135966.70313	8.3	299-W15-33	Chromium	1	Maximum 2012 sampling result
566716.4375	135248.3125	10.03	299-W15-37	Chromium	1	Maximum 2012 sampling result
566581.8125	135627.01563	7.66	299-W15-42	Chromium	1	Maximum 2012 sampling result
566752.25	135586.67188	5.4	299-W15-46	Chromium	1	Maximum 2012 sampling result
566307.1875	135972.90625	7.99	299-W15-49	Chromium	1	Maximum 2012 sampling result
566793.5	135790.71875	5.76	299-W15-50	Chromium	1	Maximum 2012 sampling result
566675.875	135920.20313	0	299-W15-7	Chromium	1	Maximum 2012 sampling result

Table 3-22. Other Points in 200-ZP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
566809.1875	136028.76563	14.4	299-W15-763	Chromium	1	Maximum 2012 sampling result
566697	136373.0625	35.7	299-W15-765	Chromium	1	Maximum 2012 sampling result
566304.5	135826.23438	13.2	299-W15-83	Chromium	1	Maximum 2012 sampling result
566307.5625	135640.34375	12.68	299-W15-94	Chromium	1	Maximum 2012 sampling result
566421.5	135465.20313	10.5	299-W18-1	Chromium	1	Maximum 2012 sampling result
566380.0625	134733.48438	3.6	299-W18-15	Chromium	1	Maximum 2012 sampling result
566605.0625	135425.6875	10.17	299-W18-16	Chromium	1	Maximum 2012 sampling result
566097.6875	134978.6875	20.9	299-W18-21	Chromium	1	Maximum 2012 sampling result
566088.625	134990.15625	16.8	299-W18-22	Chromium	1	Maximum 2012 sampling result
566723.3125	134996.40625	6.01	299-W18-40	Chromium	1	Maximum 2012 sampling result
567565.125	134745.4375	4.34	299-W19-105	Chromium	1	Maximum 2012 sampling result
567997.875	135205.65625	1.82	299-W19-107	Chromium	1	Maximum 2012 sampling result
567360.625	135012.35938	17.3	299-W19-18	Chromium	1	Maximum 2012 sampling result
567673.625	135012.25	12.3	299-W19-34A	Chromium	1	Maximum 2012 sampling result
567662.875	135010.65625	2.57	299-W19-34B	Chromium	1	Maximum 2012 sampling result
569991	132739.1875	120.2	699-30-66	Chromium	1	Maximum 2012 sampling result
567634.75	135017.04688	3.33	299-W19-36	Chromium	1	Maximum 2012 sampling result
567949.9375	135350.79688	1.09	299-W19-4	Chromium	1	Maximum 2012 sampling result
566896.5625	135004.51563	11.03	299-W19-41	Chromium	1	Maximum 2012 sampling result
566895.3125	135161.85938	13.84	299-W19-47	Chromium	1	Maximum 2012 sampling result

Table 3-22. Other Points in 200-ZP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
567822.9375	134925.98438	5.13	299-W19-48	Chromium	1	Maximum 2012 sampling result
567568.0625	134894.375	5.47	299-W19-49	Chromium	1	Maximum 2012 sampling result
567133.3125	134693.76563	1.77	299-W19-6	Chromium	1	Maximum 2012 sampling result
568124.375	134573.79688	3.6	299-W21-2	Chromium	1	Maximum 2012 sampling result
566908.75	134076.28125	168.42	299-W22-47	Chromium	1	Maximum 2012 sampling result
567237.375	134207.07813	3.6	299-W22-72	Chromium	1	Maximum 2012 sampling result
567186.75	134041.3125	157	299-W22-86	Chromium	1	Maximum 2012 sampling result
567541.75	134539.875	1.4	299-W22-87	Chromium	1	Maximum 2012 sampling result
568046.5	134390.53125	2.73	299-W22-88	Chromium	1	Maximum 2012 sampling result
566759.125	134166.65625	1043.42	299-W23-19	Chromium	1	Maximum 2012 sampling result
566628.1875	134391.875	2.6	299-W23-4	Chromium	1	Maximum 2012 sampling result
566424.375	133293.59375	100.93	299-W26-13	Chromium	1	Maximum 2012 sampling result
566908.25	133670.34375	116.83	299-W27-2	Chromium	1	Maximum 2012 sampling result
567118.1875	137299.125	14.6	299-W6-3	Chromium	1	Maximum 2012 sampling result
567318.75	137638.71875	5.47	299-W6-6	Chromium	1	Maximum 2012 sampling result
566292	137638.64063	10.9	299-W7-3	Chromium	1	Maximum 2012 sampling result
571009.5625	133215.92188	158	699-32-62	Chromium	1	Maximum 2012 sampling result
567942.6875	133362.60938	5.65	699-32-72A	Chromium	1	Maximum 2012 sampling result
566907.75	133662.48438	0	699-33-75	Chromium	1	Maximum 2012 sampling result
571395.5	134557.10938	15.62	699-36-61A	Chromium	1	Maximum 2012 sampling result

Table 3-22. Other Points in 200-ZP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
569731.3125	134469.01563	3.62	699-36-66B	Chromium	1	Maximum 2012 sampling result
568466.6875	134308.84375	12.29	699-36-70A	Chromium	1	Maximum 2012 sampling result
568427.8125	134625.98438	3.96	699-36-70B	Chromium	1	Maximum 2012 sampling result
569730.3125	134797.15625	2.45	699-37-66	Chromium	1	Maximum 2012 sampling result
571219.125	134997.28125	20.2	699-38-61	Chromium	1	Maximum 2012 sampling result
570090.1875	135039.84375	2.08	699-38-65	Chromium	1	Maximum 2012 sampling result
569180.3125	134931.60938	30.5	699-38-68A	Chromium	1	Maximum 2012 sampling result
568469.125	135331.04688	16.8	699-38-70B	Chromium	1	Maximum 2012 sampling result
569084.125	135325.57813	3.61	699-38-70C	Chromium	1	Maximum 2012 sampling result
571164.25	135764.42188	2.19	699-40-62	Chromium	1	Maximum 2012 sampling result
570057.5	135881.15625	2.52	699-40-65	Chromium	1	Maximum 2012 sampling result
568967	136488.48438	64.94	699-43-69	Chromium	1	Maximum 2012 sampling result
570390.625	136897.4375	8.5	699-44-64	Chromium	1	Maximum 2012 sampling result
568729.3125	137182.67188	8.8	699-45-69A	Chromium	1	Maximum 2012 sampling result
568947.125	137233.8125	25	699-45-69C	Chromium	1	Maximum 2012 sampling result
571474.375	137968.73438	14.97	699-47-60	Chromium	1	Maximum 2012 sampling result
568387.9375	138056.9375	108	699-48-71	Chromium	1	Maximum 2012 sampling result
567359.5	138646.73438	6.75	699-50-74	Chromium	1	Maximum 2012 sampling result
570664.375	139148.40625	1.39	699-51-63	Chromium	1	Maximum 2012 sampling result
566024.75	136995.48438	0	299-W10-35	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration

Table 3-22. Other Points in 200-ZP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
566019.1875	137451.96875	0	299-W10-36	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
566033.3125	136450.23438	0	299-W15-226	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
566034.0625	135966.5625	0	299-W15-227	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
565921.1875	135506	0	299-W15-29	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
565908.625	135419.39063	0	299-W18-36	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
565904.375	135323.4375	0	299-W18-37	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
565892.125	135232.92188	0	299-W18-38	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
565885.5625	135141.10938	0	299-W18-39	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
567313.3125	137630.54688	0	299-W6-13	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
566939.625	137388.9375	0	299-W6-14	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
569390.25	136199.82813	0	699-42-67	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
569374.75	136560.20313	0	699-43-67B	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
569338.0625	136894.29688	0	699-44-67	Hexavalent Chromium	1	Average 2012 P&T Effluent concentration
566024.75	136995.48438	0.05	299-W10-35	Iodine-129	1	Maximum concentration measured during drilling
566019.1875	137451.96875	0.2	299-W10-36	Iodine-129	1	Maximum concentration measured during drilling
566033.3125	136450.23438	0.17	299-W15-226	Iodine-129	1	Maximum concentration measured during drilling
566034.0625	135966.5625	0.09	299-W15-227	Iodine-129	1	Maximum concentration measured during drilling
567313.3125	137630.54688	0.19	299-W6-13	Iodine-129	1	Maximum concentration measured during drilling
566939.625	137388.9375	0.09	299-W6-14	Iodine-129	1	Maximum concentration measured during drilling
569390.25	136199.82813	0.13	699-42-67	Iodine-129	1	Maximum concentration measured during drilling

Table 3-22. Other Points in 200-ZP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
569338.0625	136894.29688	0.1	699-44-67	Iodine-129	1	Maximum concentration measured during drilling
566024.75	136995.48438	33300	299-W10-35	Nitrate	1	Maximum concentration measured during drilling
566019.1875	137451.96875	26400	299-W10-36	Nitrate	1	Maximum concentration measured during drilling
566033.3125	136450.23438	21500	299-W15-226	Nitrate	1	Maximum concentration measured during drilling
566034.0625	135966.5625	119000	299-W15-227	Nitrate	1	Maximum concentration measured during drilling
566939.625	137388.9375	107000	299-W6-14	Nitrate	1	Maximum concentration measured during drilling
566024.75	136995.48438	0	299-W10-35	Technetium-99	1	Maximum concentration measured during drilling
566019.1875	137451.96875	0	299-W10-36	Technetium-99	1	Maximum concentration measured during drilling
566033.3125	136450.23438	0	299-W15-226	Technetium-99	1	Maximum concentration measured during drilling
566034.0625	135966.5625	47.9	299-W15-227	Technetium-99	1	Maximum concentration measured during drilling
567313.3125	137630.54688	132	299-W6-13	Technetium-99	1	Maximum concentration measured during drilling
566939.625	137388.9375	35.9	299-W6-14	Technetium-99	1	Maximum concentration measured during drilling
569390.25	136199.82813	240	699-42-67	Technetium-99	1	Maximum concentration measured during drilling
569338.0625	136894.29688	22.2	699-44-67	Technetium-99	1	Maximum concentration measured during drilling
566024.75	136995.48438	0	299-W10-35	TCE	1	Maximum concentration measured during drilling
566019.1875	137451.96875	0	299-W10-36	TCE	1	Maximum concentration measured during drilling
566033.3125	136450.23438	0	299-W15-226	TCE	1	Maximum concentration measured during drilling
566034.0625	135966.5625	0	299-W15-227	TCE	1	Maximum concentration measured during drilling
567313.3125	137630.54688	1.4	299-W6-13	TCE	1	Maximum concentration measured during drilling
566939.625	137388.9375	0	299-W6-14	TCE	1	Maximum concentration measured during drilling

Table 3-22. Other Points in 200-ZP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
569390.25	136199.82813	6.7	699-42-67	TCE	1	Maximum concentration measured during drilling
569338.0625	136894.29688	0	699-44-67	TCE	1	Maximum concentration measured during drilling
566024.75	136995.48438	650	299-W10-35	Tritium	1	Maximum concentration measured during drilling
566019.1875	137451.96875	0	299-W10-36	Tritium	1	Maximum concentration measured during drilling
566033.3125	136450.23438	0	299-W15-226	Tritium	1	Maximum concentration measured during drilling
566034.0625	135966.5625	610	299-W15-227	Tritium	1	Maximum concentration measured during drilling
567313.3125	137630.54688	9600	299-W6-13	Tritium	1	Maximum concentration measured during drilling
566939.625	137388.9375	3800	299-W6-14	Tritium	1	Maximum concentration measured during drilling
571995.7	133849.6	3300	699-34-58B	Tritium	1	US Ecology Sample Results
572422.612	134106.712	2500	699-35-57	Tritium	1	US Ecology Sample Results
572300.422	134272.86	2400	699-35-58	Tritium	1	US Ecology Sample Results
571955.968	134095.983	5200	699-35-59	Tritium	1	US Ecology Sample Results
572251.672	134536.248	3600	699-36-58A	Tritium	1	US Ecology Sample Results
572253.483	134431.185	2400	699-36-58B	Tritium	1	US Ecology Sample Results
569390.25	136199.82813	1300	699-42-67	Tritium	1	Maximum concentration measured during drilling
569338.0625	136894.29688	0	699-44-67	Tritium	1	Maximum concentration measured during drilling
566024.75	136995.48438	0.574	299-W10-35	Uranium	1	Average 2012 P&T Effluent concentration
566019.1875	137451.96875	0.574	299-W10-36	Uranium	1	Average 2012 P&T Effluent concentration
566033.3125	136450.23438	0.574	299-W15-226	Uranium	1	Average 2012 P&T Effluent concentration
566034.0625	135966.5625	0.574	299-W15-227	Uranium	1	Average 2012 P&T Effluent concentration

Table 3-22. Other Points in 200-ZP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
565921.1875	135506	0.574	299-W15-29	Uranium	1	Average 2012 P&T Effluent concentration
565908.625	135419.39063	0.574	299-W18-36	Uranium	1	Average 2012 P&T Effluent concentration
565904.375	135323.4375	0.574	299-W18-37	Uranium	1	Average 2012 P&T Effluent concentration
565892.125	135232.92188	0.574	299-W18-38	Uranium	1	Average 2012 P&T Effluent concentration
565885.5625	135141.10938	0.574	299-W18-39	Uranium	1	Average 2012 P&T Effluent concentration
567313.3125	137630.54688	0.574	299-W6-13	Uranium	1	Average 2012 P&T Effluent concentration
566939.625	137388.9375	0.574	299-W6-14	Uranium	1	Average 2012 P&T Effluent concentration
569390.25	136199.82813	0.574	699-42-67	Uranium	1	Average 2012 P&T Effluent concentration
569374.75	136560.20313	0.574	699-43-67B	Uranium	1	Average 2012 P&T Effluent concentration
569338.0625	136894.29688	0.574	699-44-67	Uranium	1	Average 2012 P&T Effluent concentration
567184.875	136844.35938	74.6	299-W11-33Q	Chromium	31	2012 Measured data. (Data point became available after original data pull)
571050	138585	0	CP40	Nitrate	3	Geologic control to represent boundary where basalt is present above water table

3.1.9 200-UP-1

A list of the COIs in 200-UP-1 and corresponding kriging interpolation parameters are provided in Table-3-23. To ensure continuity in the depictions of COIs that cross the GIA boundary, measured data and other points from the 200-ZP-1 area were included in the datasets for 200-UP-1 (Section 3.1.9). The QUANTILE input datasets are provided in Appendix C. The data selection procedure, as detailed in Section 2, was followed for each COI.

Table 3-23. COIs and Interpolation Parameters for 200-UP-1

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Chromium	MIK	3000 180	8000 500	80 100	200UP1_Chromium_Ave_Matt.dat 200UP1_Chromium_Ave_Matt _SSX.dat
Iodine-129	QK	3000	3550	90	200UP1_Iodine129_Ave.dat
Technetium-99	QK QK MIK	300 350 750	850 400 1550	100 90 120	200UP1_Tech99_Ave_Middle.dat 200UP1_Tech99_Ave_North.dat 200UP1_Tech99_Ave_South.dat
Tritium	MIK	1700	5500	80	200UP1_Tritium_Ave.dat
Uranium	MIK	650	1500	75	200UP1_Uranium_Ave.dat

The chromium dataset comprised average concentration values calculated using hexavalent chromium (filtered or unfiltered) and filtered total chromium measurements at each monitoring location. Chromium was known to originate from multiple source locations within the GIA, creating separate plumes with different migration patterns caused by variations in local flow conditions. Therefore, chromium was divided into north/central and southern portions of the GIA (near the S/SX Area, Table 3-23). If any measurement was taken in the last three years from a PMP well on the Removed Well List (Appendix B, Table B.1), then the measurement was used in plume mapping. Three Type 1 points were added at the direction of the project scientist (Table 3-24).

Four Type 1 points were added at the direction of the project scientist to the iodine-129 dataset (Table 3-24).

Technetium-99 was known to originate from multiple source locations within the GIA, creating separate plumes with different migration patterns caused by variations in local flow conditions. Technetium-99 was, therefore, subdivided into northern, central, and southern portions of the GIA (Table 3-23). Four Type 3 points were added at the direction of the project scientist (CP_24 to CP_27, Table 3-24).

Two Type 1 and one Type 3 point was added at the direction of the project scientist to the uranium dataset Table 3-24).

Type 1 points representing average effluent concentrations were added at the location of the 200-UP-1 area injection wells for chromium and uranium. The list of these points is provided in Table 3-22 of Section 3.1.8, as those points are common between the 200-UP-1 and 200-ZP-1 GIAs.

For iodine-129, technetium-99, TCE, and tritium, injection well concentrations were replaced with maximum measured values during drilling for several wells (299-W10-35, 299-W10-36, 299-W15-226, 299-W15-227, 299-W6-13, 299-W6-14, 699-42-67, and 699-44-67). All other injection wells were excluded per project scientist instructions. The list of these Type 1 points is provided in Table 3-22 of Section 3.1.8, as those points are common between the 200-UP-1 and 200-ZP-1 GIAs.

For nitrate, injection well concentrations were replaced with maximum measured values during drilling for several wells (299-W10-35, 299-W10-36, 299-W15-226, 299-W15-227, 299-W6-14, 699-42-67, and 699-44-67). All other injection wells were excluded per project scientist instructions. The list of these Type 1 points is provided in Table 3-22 of Section 3.1.8, as those points are common between the 200-UP-1 and 200-ZP-1 GIAs.

Two wells (299-W22-80 and 299-W23-15) were removed from the chromium, technetium-99, and tritium datasets at the direction of the project scientist. Several additional individual measurements were removed: 299-W27-2 from chromium, 299-W10-30 from iodine-129, and 299-W22-90 from technetiem-99 (Appendix B, Table B.1).

The carbon tetrachloride plume described in Section 3.1.8 extends into the northern part of the 200-UP-1 OU. Section 3.1.8 describes the input data and calculations used in the developing the carbon tetrachloride plume.

Table 3-24. Other Points in 200-UP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
567593.125	133879.25	381	299-W22-20	Chromium	1	Result from 1/28/2002 sampling event. Sampling events after 1/28/2002 not considered representative of aquifer concentrations.
572922.6875	133627.23438	72	699-33-56	Chromium	1	Result from most recent sampling event on 10/31/2008.
567860	133785.32813	34	699-34-72	Chromium	1	Result from most recent sampling event on 7/7/2008.
567739.6875	134042.73438	30.1	299-W22-9	Iodine-129	1	Result from most recent sampling event on 12/7/2005.
568566.5	133987.57813	37.1	699-35-70	Iodine-129	1	Result from most recent sampling event on 3/16/2008.
569279.5	134425.01563	15.4	699-36-67	Iodine-129	1	Equal to the maximum value sampled in 2006, and approximates the average of the 2007 sample results; value needed to represent the extent of the high concentration portion of the plume.
569273.6875	134629.48438	3.07	699-37-68	Iodine-129	1	Average of 2007 sampling results (most recent available for well). Well decommissioned in January 2008.

Table 3-24. Other Points in 200-UP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
567739.6875	134042.73438	688000	299-W22-9	Tritium	1	2005 sample result from a now dry well; decayed for 7 years: 1,020,000 pCi/L*exp(-ln(2)/12.3*7); needed to represent the high concentration portion of the plume
566642	134274.625	113000	299-W23-9	Tritium	1	2007 sample result from a now dry well; decayed for 5 years: 150,000 pCi/L*exp(-ln(2)/12.3*5); needed to represent the plume at its source (216-S-25 Crib).
569991	132739.1875	11500	699-30-66	Tritium	1	2004 result from a sample collected from the uppermost part of the aquifer during drilling; decayed for 8 years: 18,000 pCi/L*exp(-ln(2)/12.3*8; needed to bound the southern extent of the plume
568566.5	133987.57813	192000	699-35-70	Tritium	1	2008 sample result from a now dry well; decayed for 4 years: 240,000 pCi/L*exp(-ln(2)/12.3*4); needed to represent the high concentration portion of the plume
567360.625	135012.35938	374	299-W19-18	Uranium	1	Result from 3/16/2011. Results from 2012 were rejected after review of data, after 2012 data set was finalized.
568500.9375	135089.20313	42.2	699-38-70	Uranium	1	Result from most recent sampling event on 7/2//2007
566207	133260	0	SOFT_ZERO MJT_1	Chromium	3	Location and concentration added based on historical knowledge of source area and westerly upgradient location to constrain western extent of plume.
566628	134214	0	CP_27	Chromium	3	Location and concentration added based on historical

Table 3-24. Other Points in 200-UP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
						knowledge of source area and westerly upgradient location to constrain western extent of plume.
567629.5625	134464.84375	2.18	299-W22-79	Iodine-129	3	Result from most recent sampling event on 12/21/2005. Result was a non-detect but based on data processing rules, values for I-129 were used at the non-detect value.
567593.125	133879.25	104000	299-W22-20	Nitrate	3	Average of 2007 sampling results Well last sampled in 2009. Values from 2008 and 2009 sampling events not considered representative of aquifer concentrations.
567445	133650	1000	CP_24	Technetium-99	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area.
567600	133700	1000	CP_25	Technetium-99	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area
567250	134170	1000	CP_26	Technetium-99	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area
566628	134214	0	CP_27	Technetium-99	3	Location and concentration added based on historical knowledge of source area and westerly upgradient location to constrain western extent of plume.
567175.2	135002.52	0	CP_at_C4711	Uranium	3	Location and concentration added

Table 3-24. Other Points in 200-UP-1

EASTING	NORTHING	VALUE	WELL NAME	COI	TYPE	REASON
						based on historical knowledge of source area and westerly upgradient location to constrain western extent of plume

3.1.10 300-FF-5 and 1100-EM-1

A list of the COIs in 300-FF-5 and 1100-EM-1 GIAs and corresponding kriging interpolation parameters are provided in Table 3-25. The QUANTILE input datasets are provided in Appendix C.

Within the boundaries of the main 300-FF5/1100-EM-1 GIA, COI plumes were mapped using a single variogram and kriging grid encompassing the entire GIA (Table 3-25). However, the 300-FF-5 Burial Ground is located north of the main 300-FF-5 GIA, within the 200-PO-1 boundary. Therefore, the burial ground plumes were mapped separately as described in the following subsection.

Table 3-25 COIs and Interpolation Parameters for 300-FF-5 and 1100-EM-1

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Nitrate (300-FF-5 Burial Ground)	QK	350	1100	75	300FBG_Nitrate_Ave.dat
Tritium (300-FF-5 Burial Ground)	QK	150	600	80	300FBG_Tritium_Ave_rev1.dat
Nitrate	MIK	3000	5000	40	300FF5_Nitrate_Ave.dat
TCE	QK	1052	1400	90	300FF5_TCE_Ave.dat
Tritium	QK	1200	1400	110	300FF5_Tritium_Ave.dat
Uranium	LOG	900 600	1200 900	160 130	300FF5_Uranium_high.dat 300FF5_Uranium_low.dat

3.1.10.1 300-FF-5 Burial Ground

The data selection procedure detailed in Section 2 was followed for the nitrate and tritium plumes originating from the burial ground. These plumes were mapped separately from the main 300-FF-5/1100-EM-1 GIA plumes, using a different interpolation grid (Table 3-25). One Type 3 point for tritium was added at the direction of the project scientist based on evaluation of results presented in PNNL-13675, *Measurement of Helium-3/Helium-4 Ratios in Soil Gas at the 618-11 Burial Ground* [CP_28: 1000 pCi/L; (Easting, Northing) = (588885, 127111)]. This value was provided based on project scientist knowledge of this area.

3.1.10.2 Main 300-FF-5/1100-EM-1 GIA

The data selection procedure detailed in Section 2 was followed for all COIs in the main 300-FF-5/1100-EM-1 GIA, except uranium for which the data selection procedure detailed in Section 2 was modified. Plume maps were developed to reflect high and low river stage conditions. High river stage

was considered the period between May 1, 2012 and July 31, 2012. Low river stage was considered the period between November 1, 2012 and January 7, 2013. The following data selection process was used:

1. If the location corresponds to an aquifer tube, the maximum concentration measured in each aquifer tube cluster during the low/high river stage period was used; otherwise, the average concentration during the low/high river stage period was used.
2. If a location was not measured during the low/high river stage period, then the average concentration during the 2012 was used. If no data were available during 2012, then the average concentration during the 2011 or 2010 was used, according to the logic described in Section 2.
3. If no data were available for an aquifer tube during the low/high river stage period, the aquifer tube was excluded from the interpolation.

For tritium, data for ENW wells for 2012 were provided in Table B-11.1 of Energy Northwest, 2013, *Columbia Generating Station Radiological Environmental Monitorign Program: 2012 Annual Radiological Environmental Operating Report*. Average concentrations at each monitoring location were determined following the process described in Section 2.1.1 for this dataset.

3.2 Plume Area Calculation

Plume area calculations were performed using an automated method developed in the open-source programming language R by identifying the grid cells with concentrations above predefined levels and calculating the corresponding plume areal extent. Tables 3.26 through 3.37 list the plume areas in each GIA corresponding to concentration levels defined for each COI. All areas are reported in units of meters squared. A subset of the plume area calculations was verified using the ArcGIS software (ESRI, 2010) and found to be consistent to the reported level of precision with the computed areas.

Table 3-26. Calculated Plume Area per GIA for Carbon-14

GIA	Concentration (pCi/L)	Plume Area (m^2)
100-KR-4	1,000	58,075
	2,000	44,900
	5,000	19,400
	10,000	9,600

Table 3-27. Calculated Plume Area per GIA for Chromium

GIA	Concentration (µg/L)	Plume Area (m^2)
100-BC-5	10	1,598,650
	20	1,031,575
	48	199,700
	100	-

Table 3-27. Calculated Plume Area per GIA for Chromium

GIA	Concentration (µg/L)	Plume Area (m^2)
	480	-
	4,800	-
100-KR-4: High River Stage	10	1,617,500
	20	1,034,125
	48	207,725
	100	4,675
	480	-
	4,800	-
100-KR-4: Low River Stage	10	1,842,025
	20	1,088,225
	48	194,525
	100	3,925
	480	-
	4,800	-
100-NR-2: High River Stage	10	407,050
	20	207,825
	48	14,325
	100	-
	480	-
	4,800	-
100-NR-2: Low River Stage	10	438,450
	20	185,300
	48	2,050
	100	-
	480	-
	4,800	-
100-HR-3: High River Stage	10	5,836,625
	20	3,712,975
	48	1,048,050
	100	289,450

Table 3-27. Calculated Plume Area per GIA for Chromium

GIA	Concentration (µg/L)	Plume Area (m^2)
	480	118,150
	4,800	6,175
100-HR-3: Low River Stage	10	6,889,125
	20	4,096,350
	48	1,018,550
	100	313,100
	480	111,625
	4,800	-
100-FR-3: High River Stage	10	321,825
	20	88,650
	48	-
	100	-
	480	-
	4,800	-
100-FR-3: Low River Stage	10	403,900
	20	95,925
	48	-
	100	-
	480	-
	4,800	-
200-BP-5	10	
	20	
	48	33,475
	100	-
	480	-
	4,800	-
200-ZP-1	10	
	20	
	48	521,025
	100	140,300

Table 3-27. Calculated Plume Area per GIA for Chromium

GIA	Concentration (µg/L)	Plume Area (m^2)
	480	-
	4,800	-
200-UP-1	10	
	20	
	48	4,088,300
	100	653,175
	480	2,000
	4,800	-
200-PO-1	10	
	20	
	48	1,040,950
	100	-
	480	-
	4,800	-

Table 3-28. Calculated Plume Area per GIA for Cyanide

GIA	Concentration (µg/L)	Plume Area (m^2)
200-BP-5	200	215,400
	500	104,650
	1000	15,300

Table 3-29. Calculated Plume Area per GIA for Iodine-129

Total	Concentration (pCi/L)	Plume Area (m^2)
200-ZP-1	1	99,425
	5	1,150
	10	100
200-UP-1	1	4,610,700
	5	1,423,875
	10	951,425
200-BP-5	1	3,918,625
	5	50,400
	10	-
200-PO-1	1	39,221,475
	5	2,747,025
	10	3,175
	10	954,700

Table 3-30. Calculated Plume Area per GIA for Nitrate

GIA	Concentration (mg/L)	Plume Area (m2)
100-BC-5	45	1,300
	200	-
	450	-
100-KR-4	45	35,725
	200	-
	450	-
100-NR-2	45	634,000
	200	-
	450	-
100-HR-3	45	338,375
	200	-
	450	-

Table 3-30. Calculated Plume Area per GIA for Nitrate

GIA	Concentration (mg/L)	Plume Area (m2)
100-FR-3	45	9,312,525
	200	-
	450	-
300-FF-5	45	2,899,775
	200	360,925
	450	-
200-ZP-1	45	10,223,950
	200	806,825
	450	2,175
200-UP-1	45	5,530,800
	200	845,075
	450	325
200-BP-5	45	7,759,750
	200	667,900
	450	177,275
200-PO-1	45	4,369,375
	200	-
	450	-
1100-EM	45	1,856,400
	200	503,200
	450	-

Table 3-31. Calculated Plume Area per GIA for Strontium-90

GIA	Concentration (pCi/L)	Plume Area (m2)
100-BC-5	8	511,125
	20	97,450
	80	-
100-KR-4	8	40,350
	20	20,400
	80	6,475
100-NR-2	8	609,475
	20	570,350
	80	411,825
100-HR-3	8	29,875
	20	6,975
	80	-
100-FR-3	8	167,950
	20	94,925
	80	59,425
200-BP-5	8	603,425
	20	460,150
	80	240,900
200-PO-1	8	66,575
	20	-
	80	-

Table 3-32. Calculated Plume Area per GIA for TCE

GIA	Concentration (µg/L)	Plume Area (m^2)
100-KR-4	5	34,750
	8	-
	10	-
100-FR-3	5	638,225
	8	138,800
	10	1,225
300-FF-5	5	150
	8	-
	10	-
200-ZP-1	5	292,550
	8	80,200
	10	24,075
200-UP-1	5	92,200
	8	225
	10	-

Table 3-33. Calculated Plume Area per GIA for Technetium-99

GIA	Concentration (pCi/L)	Plume Area (m2)
200-ZP-1	900	80,875
	3,000	16,075
	9,000	-
	20,000	-
200-UP-1	900	302,675
	3,000	171,800
	9,000	38,725
	20,000	-
200-BP-5	900	2,293,975
	3,000	1,088,175
	9,000	470,300

Table 3-33. Calculated Plume Area per GIA for Technetium-99

GIA	Concentration (pCi/L)	Plume Area (m2)
	20,000	40,025
200-PO-1	900	20,650
	3,000	-
	9,000	-
	20,000	-

Table 3-34. Calculated Plume Area per GIA for TPHd

GIA	Concentration (µg/L)	Plume Area (m^2)
100-NR-2	200	5,900
	1,000	3,825
	2,000	2,200
	5,000	675
	10,000	300

Table 3-35. Calculated Plume Area per GIA for Tritium

GIA	Concentration (pCi/L)	Plume Area (m^2)
100-BC-5	20,000	204,950
	45,000	-
100-KR-4	20,000	34,650
	45,000	4,300
100-NR-2	20,000	250
	45,000	-
300-FF-5	20,000	138,900
	45,000	80,025
200-ZP-1	20,000	490,275
	45,000	117,425

Table 3-35. Calculated Plume Area per GIA for Tritium

GIA	Concentration (pCi/L)	Plume Area (m^2)
200-UP-1	20,000	5,763,425
	45,000	4,353,075
200-BP-5	20,000	164,300
	45,000	-
200-PO-1	20,000	82,286,000
	45,000	13,866,600

Table 3-36. Calculated Plume Area per GIA for Uranium

GIA	Concentration (µg/L)	Plume Area (m^2)
300-FF-5: High River Stage	30	619,350
	300	4,400
300-FF-5: Low River Stage	30	723,775
	300	25
200-BP-5	30	636,575
	300	44,575
200-UP-1	30	349,650
	300	6,825
200-PO-1	30	59,000
	300	-

Table 3-37. Calculated Plume Area per GIA for Carbon Tetrachloride

GIA	Concentration (µg/L)	Plume Area (m^2)
200-ZP-1	5	9,971,325
	50	6,007,375
	100	4,666,450
	500	2,882,675
	1,000	876,275
	2,000	4,350
200-UP-1	5	6,376,025

Table 3-37. Calculated Plume Area per GIA for Carbon Tetrachloride

GIA	Concentration (µg/L)	Plume Area (m^2)
	50	3,119,125
	100	1,668,125
	500	405,950
	1,000	900
	2,000	-

4. Assumptions and Limitations

Assumptions and limitations of the sample and supporting data that are used to form the inputs to the contaminant plume mapping are summarized in the following text:

- The data set used as input to the mapping procedure is representative of the extent of contamination in the aquifer for the corresponding COI and GIA. Other points were incorporated in the form of either previous sampling results or values that are considered by the project scientist as representative, given the scale of the contaminant plume(s) and the rate(s) of migration of contamination over time.

Assumptions and limitations of the contaminant plume interpolation approaches that are used to prepare the plume maps are summarized in the following bullets:

- With regard to the depicted lateral extents of contamination:
    - The distribution of contaminants in groundwater is reasonably well represented by the qualified data used as inputs.
    - There are no contributing source areas that lie outside the depicted extent of contamination that would result in increases to the lateral extents of contamination.
- In the absence of replicates (i.e., multiple values at one location) or small-scale variance—such as measurement errors—represented using a nugget, ordinary kriging honors the sample data values at the sampled locations, with the following caveats:
    - When interpolating to a grid for mapping purposes, this is not guaranteed.
    - Because the interpolation data set can include data over a period of up to three years, the resulting map does not necessarily represent an actual “instantaneous” condition within the aquifer, but rather provides a representative composite depiction.
- Studies by other investigators (e.g., Reed et al. 2004) suggest that use of ordinary kriging together with data transformations—such as quantile kriging—produces robust interpolation results, which mitigate bias due to highly skewed data and/or variations in the spacing of measured data (i.e., data support).
    - However, each of the logarithmic, uniform-score, and indicator transforms generally lead to median-unbiased estimators that may, depending on the true distribution of the data, underestimate the contaminant mass.

5. Software Applications, Descriptions, Installation and Checkout, and Statements of Validity

Software use for this calculation was in accordance with PRC-PRO-IRM-309, *Controlled Software Management*.

5.1 Approved Software

5.2 Support Software - Descriptions

The following programs are classified as Support Software.

5.2.1 QUANTILE

The QUANTILE program (SSP&A, 2013) was used to perform the spatial interpolation of sampled contaminant concentration data that is detailed in this calculation. QUANTILE is a FORTRAN program based upon the USGS kriging routines of Skrivan and Karlinger (1980). QUANTILE incorporates routines to conduct the logarithmic, quantile and categorical data transforms, undertake OK of the transformed values, and complete the necessary back-transformations. Quantile also supports Simple Kriging (SK) of untransformed data values. QUANTILE is a program for spatial interpolation in 2-D programmed in Fortran 90/95 using a modular program structure. It has been developed to be independent of any specific model platform, requiring simple ASCII input files and producing ASCII output files.

QUANTILE has not been identified in CHPRC-00258, *MODFLOW and Related Codes Software Management Plan*, but is scheduled by the software owner to be included as support software in the next revision to that document. It has been developed internally and it is not commercially available.

5.2.2 R

The R programming environment (R Development Core Team, 2012; Ihaka and Gentleman, 1996, R: A Language for Data Analysis and Graphics), was used to perform a variety of data processing tasks including the tabulation and formatting of data in preparation for analysis using the software program QUANTILE. No calculations were made using the numeric or computational capabilities of the R software.

5.2.3 Statement of Valid Software Application

QUANTILE and R were used in a manner consistent with their intended use and are valid uses of these software for the problems addressed in this calculation.

6. Results

Calculated plume maps for each combination of GIA and COI are provided in Appendix D.

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Appendix A

Aquifer Zones

Table A-1 Aquifer Zones

Label	Explanation	Description
NA	Not Applicable	In most cases not a valid ground-water monitoring well (i.e. no open interval).
V	Vadose	Completed above the water table. May be temporarily open below the water table during high water conditions
P	Perched	Monitors only perched water above the regional water table.
U	Undifferentiated Unconfined	Open to more than 50 feet of the unconfined aquifer. In the 100 Areas the unconfined aquifer extends from the top of the Ringold Upper Mud (RUM) or the basalt, where the RUM is not present, to the water table.
TU	Top Unconfined	Screened across or within 5 feet of the Water Table with less than 35 feet of the open interval extending below the water table.
UU	Upper Unconfined	Screened more than 5 feet below the water table and with the open interval extending no more than 50 feet below the water table.
MU	Middle Unconfined	Open interval begins at greater than 50 feet below the water table and does not extend below the middle coarse of the Ringold Formation (unit 7) or to within 50 feet of the top of basalt.
LU	Lower Unconfined	Open interval begins at greater than 50 feet below the water table and below the middle coarse of the Ringold Formation (unit 7) or within 50 feet of the top of basalt and does not extend more than a few feet (i.e. 10) below the top of basalt.
CR	Confined Ringold	Wells for which the open interval does not extend more than a few feet (i.e. 10) below the top of basalt. Typically open to the lower mud (unit 8) and basal gravel (unit 9) of the Ringold Formation. [not using this classification for wells completed in the “RUM]
TB	Top Basalt	Open to less than 30 feet above and below the top of basalt.
C	Undifferentiated Basalt-Confined	
UC	Upper Basalt-Confined	Open to the Basalt and/or interflow zones but does not extend below the Pomona Member of the Saddle Mountains Basalt.
LC	Lower Basalt-Confined	Open to the Basalt and interflow zones below the Pomona Member of the Saddle Mountains Basalt.

Appendix B: Excluded Data Points

Table B-1. **Excluded Locations**

Table B-2. **Measurements Updated or Under Review**

Table B-3. **Excluded Measurements**

Table B-1 Excluded Locations

Well Name	ZONE	GIA	Well Name	ZONE	GIA	Well Name	ZONE	GIA	Well Name	ZONE	GIA
1199-39-16D	U	1100-EM-1	299-W12-3	U	200-ZP-1	699-25-20	U	200-PO-1	699-S2-34B	UC	200-PO-1
199-B2-12	MU	100-BC-5	299-W12-4	LU	200-ZP-1	699-25-33A	MU	200-PO-1	699-S24-19P	UC	1100-EM-1
199-B2-15	MU	100-BC-5	299-W14-20	U	200-ZP-1	699-26-35C	MU	200-PO-1	699-S27-E9B	LU	1100-EM-1
199-B2-16	MU	100-BC-5	299-W14-21	LU	200-ZP-1	699-26-89	UU	200-ZP-1	699-S27-E9C	CR	1100-EM-1
199-B3-51	MU	100-BC-5	299-W14-73	LU	200-ZP-1	699-2-7	MU	200-PO-1	699-S28-E0	MU	1100-EM-1
199-B5-5	MU	100-BC-5	299-W14-74	LU	200-ZP-1	699-2-E14	C	300-FF-5	699-S29-E16B	MU	1100-EM-1
199-B5-6	MU	100-BC-5	299-W15-1	U	200-ZP-1	699-31-11	MU	200-PO-1	699-S29-E16C	CR	1100-EM-1
199-D5-107		100-HR-3-D	299-W15-225	LU	200-ZP-1	699-31-17	LU	200-PO-1	699-S31-1	UU	1100-EM-1
199-D5-108		100-HR-3-D	299-W15-226	LU	200-ZP-1	699-31-8	LU	200-PO-1	699-S31-1P	TB	1100-EM-1
199-D5-109		100-HR-3-D	299-W15-227	LU	200-ZP-1	699-32-22B	UC	200-PO-1	699-S31-E10C	UU	1100-EM-1
199-D5-110		100-HR-3-D	299-W15-34	UU	200-ZP-1	699-33-14	U	200-PO-1	699-S31-E10E	MU	1100-EM-1
199-D5-114		100-HR-3-D	299-W15-35	UU	200-ZP-1	699-35-16	U	200-PO-1	699-S32-E13A	UU	1100-EM-1
199-D5-115		100-HR-3-D	299-W15-36	UU	200-ZP-1	699-35-19B		200-PO-1	699-S32-E8	MU	1100-EM-1
199-D5-134	CR	100-HR-3-D	299-W15-45	UU	200-ZP-1	699-36-17	U	200-PO-1	699-S36-E13A	UU	1100-EM-1
199-D5-141	CR	100-HR-3-D	299-W15-6	MU	200-ZP-1	699-37-E1	U	200-PO-1	699-S38-E12B	MU	1100-EM-1
199-D8-54B	MU	100-HR-3-D	299-W17-2	U	200-ZP-1	699-37-E4	MU	200-PO-1	699-S41-E13B	MU	1100-EM-1
199-D8-92		100-HR-3-D	299-W17-3	U	200-UP-1	699-38-19		200-PO-1	699-S41-E13C	LU	1100-EM-1
199-F5-43B	LU	100-FR-3	299-W18-11	U	200-ZP-1	699-39-23		200-PO-1	699-S5-E2	LU	300-FF-5
199-F5-53	MU	100-FR-3	299-W6-11	UU	200-ZP-1	699-40-36	MU	200-PO-1	AT-3-3-D		300-FF-5
199-H2-1	CR	100-HR-3-H	299-W6-13	LU	200-ZP-1	699-41-25	U	200-PO-1	AT-3-7-D		300-FF-5
199-H3-10	CR	100-HR-3-H	299-W6-14	LU	200-ZP-1	699-41-35	MU	200-PO-1	C8205	NA	100-KR-4
199-H3-2C	MU	100-HR-3-H	3099-47-18B	U	1100-EM-1	699-41-40	MU	200-PO-1	C8218		100-FR-3
199-H3-9	CR	100-HR-3-H	399-1-10B	LU	300-FF-5	699-41-42	MU	200-PO-1	C8219		100-FR-3
199-H4-12C	MU	100-HR-3-H	399-1-12	UU	300-FF-5	699-42-21	U	200-PO-1	C8220		100-FR-3
199-H4-15CP	UC	100-HR-3-H	399-1-13B		300-FF-5	699-42-37	MU	200-PO-1	C8221		100-FR-3
199-H4-15CQ	CR	100-HR-3-H	399-1-14B		300-FF-5	699-42-39A	MU	200-PO-1	C8222		100-FR-3
199-H4-15CR	LU	100-HR-3-H	399-1-16B	LU	300-FF-5	699-42-39B	LU	200-PO-1	299-W10-1	U	200-ZP-1*
199-H4-15CS	MU	100-HR-3-H	399-1-16C	CR	300-FF-5	699-42-40A	UU	200-BP-5	299-W10-14	LU	200-ZP-1*
199-H4-2	UC	100-HR-3-H	399-1-17B	MU	300-FF-5	699-42-40C	UC	200-BP-5	299-W10-33	LU	200-ZP-1*
199-K-192	CR	100-KR-4	399-1-17C	CR	300-FF-5	699-42-42B	MU	200-PO-1	299-W11-13	U	200-ZP-1*
199-K-32B	LU	100-KR-4	399-1-18B	MU	300-FF-5	699-43-18	U	200-PO-1	299-W11-41	UU	200-ZP-1*
199-N-120		100-NR-2	399-1-18C	LU	300-FF-5	699-43-41G	CR	200-BP-5	299-W11-43	LU	200-ZP-1*
199-N-121		100-NR-2	399-1-21B	LU	300-FF-5	699-43-89	U	200-ZP-1	299-W11-45	UU	200-ZP-1*
199-N-69		100-NR-2	399-1-57	MU	300-FF-5	699-48-77C	MU	200-ZP-1	299-W11-46	UU	200-ZP-1*
199-N-70		100-NR-2	399-1-60		300-FF-5	699-49-100C	U	200-ZP-1	299-W11-47	U	200-ZP-1*
199-N-77		100-NR-2	399-1-61		300-FF-5	699-49-55B	UC	200-BP-5	299-W11-48	LU	200-ZP-1*
199-N-80	MU	100-NR-2	399-1-62		300-FF-5	699-49-57B	UC	200-BP-5	299-W11-87	LU	200-ZP-1*
299-E16-1	UC	200-PO-1	399-1-63		300-FF-5	699-4-E16	U	300-FF-5	299-W11-88	LU	200-ZP-1*
299-E23-2	U	200-PO-1	399-1-64		300-FF-5	699-50-45	UC	200-BP-5	299-W13-1	MU	200-ZP-1*
299-E25-28	LU	200-PO-1	399-1-8	LU	300-FF-5	699-50-53B	UC	200-BP-5	299-W14-11	UU	200-ZP-1*
299-E25-29Q	MU	200-PO-1	399-1-9	CR	300-FF-5	699-50-85	UU	200-ZP-1	299-W14-71	LU	200-UP-1*
299-E25-32Q	LU	200-PO-1	399-2-33		300-FF-5	699-51-75P	LU	200-ZP-1	299-W14-72	LU	200-ZP-1*
299-E26-8	UC	200-BP-5	399-3-21	LU	300-FF-5	699-52-18B	NA	200-PO-1	299-W15-17	LU	200-ZP-1*
299-E27-155	UU	200-BP-5	399-3-22	LU	300-FF-5	699-52-46A	UC	200-BP-5	299-W15-30	UU	200-ZP-1*
299-E27-24		200-BP-5	399-3-34		300-FF-5	699-52-55B	UC	200-BP-5	299-W15-33	UU	200-ZP-1*
299-E33-12	UC	200-BP-5	399-3-37		300-FF-5	699-53-55A		200-BP-5	299-W15-42	UU	200-ZP-1*
299-E33-340	UC	200-BP-5	399-3-38		300-FF-5	699-54-34	UC	200-BP-5	299-W15-46	UU	200-ZP-1*
299-E33-344	P	200-BP-5	399-5-2	UC	1100-EM-1	699-54-57	UC	200-BP-5	299-W15-49	UU	200-ZP-1*
299-E33-40	UC	200-BP-5	399-8-5B		300-FF-5	699-55-60A	UU	200-BP-5	299-W15-50	MU	200-ZP-1*
299-E33-50	UC	200-BP-5	399-8-5C	CR	300-FF-5	699-55-76	UU	200-ZP-1	299-W18-1	U	200-ZP-1*
299-E34-13	NA	200-BP-5	499-S0-7	MU	200-PO-1	699-55-89	UU	200-ZP-1	299-W18-22	LU	200-UP-1*
299-W10-35	LU	200-ZP-1	499-S0-8	MU	200-PO-1	699-56-43	UC	200-BP-5	299-W19-34A	MU	200-UP-1*
299-W10-36	LU	200-ZP-1	499-S1-8J	LU	200-PO-1	699-56-53	UC	200-BP-5	299-W19-34B	MU	200-UP-1*
299-W11-3	U	200-ZP-1	699-13-1A	MU	300-FF-5	699-66-91	UC	100-BC-5	299-W27-2	LU	200-UP-1*
299-W11-49	U	200-ZP-1	699-13-1C	UC	300-FF-5	699-88-41	U	100-HR-3-H	299-W6-6	LU	200-ZP-1*
299-W11-50	U	200-ZP-1	699-15-E13	C	300-FF-5	699-97-43C	MU	100-HR-3-H	299-W7-3	LU	200-ZP-1*
299-W11-6	U	200-ZP-1	699-18-25A	MU	200-PO-1	699-97-45B	MU	100-HR-3-H	699-30-66	LU	200-UP-1*
299-W11-90	U	200-ZP-1	699-19-23	LU	200-PO-1	699-97-48C	MU	100-HR-3-D	699-38-70B	MU	200-UP-1*
299-W11-92	U	200-ZP-1	699-20-E12S	MU	200-PO-1	699-S11-E12AP	UC	300-FF-5	699-38-70C	LU	200-UP-1*
299-W11-93	NA	200-ZP-1	699-23-33	U	200-PO-1	699-S22-E9B	LU	1100-EM-1	699-43-69	CR	200-ZP-1*
299-W12-2	U	200-ZP-1	699-24-1P	UC	200-PO-1	699-S22-E9C	CR	1100-EM-1	699-45-69C	MU	200-ZP-1*

* Excluded Location for all GIAs Except 200-ZP-1 (all COIs) and 200-UP-1 (Chromium)

Table B-2 Measurements Updated or Under Review

Request Number	Date	Action	Comments	Sample Number	Well	Constituent	Sample Date/Time	Source
866	2/20/2013	recheck	These Cr(VI) results from WSCF are all far out of trend (some high, some low) and, where other results from the same dates are available, they don't agree with them. Please ask lab to check data. If not correctable errors are found, recommend Y flag.	B2L6Y3	199-D5-104	Hexavalent Chromium	4/29/2012 9:31	199-D_CrVI_various.pdf
866	2/20/2013	recheck	These Cr(VI) results from WSCF are all far out of trend (some high, some low) and, where other results from the same dates are available, they don't agree with them. Please ask lab to check data. If not correctable errors are found, recommend Y flag.	B2LRW7	199-D8-91	Hexavalent Chromium	7/22/2012 9:35	199-D_CrVI_various.pdf
866	2/20/2013	recheck	These Cr(VI) results from WSCF are all far out of trend (some high, some low) and, where other results from the same dates are available, they don't agree with them. Please ask lab to check data. If not correctable errors are found, recommend Y flag.	B2LRW9	199-D8-97	Hexavalent Chromium	7/22/2012 9:37	199-D_CrVI_various.pdf
866	2/20/2013	recheck	These Cr(VI) results from WSCF are all far out of trend (some high, some low) and, where other results from the same dates are available, they don't agree with them. Please ask lab to check data. If not correctable errors are found, recommend Y flag.	B2LRY2	199-D5-20	Hexavalent Chromium	7/22/2012 11:16	199-D_CrVI_various.pdf
866	2/20/2013	recheck	These Cr(VI) results from WSCF are all far out of trend (some high, some low) and, where other results from the same dates are available, they don't agree with them. Please ask lab to check data. If not correctable errors are found, recommend Y flag.	B2LRY3	199-D5-32	Hexavalent Chromium	7/22/2012 11:18	199-D_CrVI_various.pdf
866	2/20/2013	recheck	These Cr(VI) results from WSCF are all far out of trend (some high, some low) and, where other results from the same dates are available, they don't agree with them. Please ask lab to check data. If not correctable errors are found, recommend Y flag.	B2LRY4	199-D5-39	Hexavalent Chromium	7/22/2012 11:20	199-D_CrVI_various.pdf
877	2/27/2013	recheck	Data since late 2011 have shown an odd, bimodal distribution. All of the high concentrations were collected by the routine sampling program. All of the low concentrations were "in process" samples. This suggests a systemic sampling error, either by the operators or the routine sampling NCOs. Please investigate.	B2HK06	199-D5-13	Hexavalent Chromium	12/15/2011 13:22	199-D5-13_CrVI.pdf
877	2/27/2013	recheck	Data since late 2011 have shown an odd, bimodal distribution. All of the high concentrations were collected by the routine sampling program. All of the low concentrations were "in process" samples. This suggests a systemic sampling error, either by the operators or the routine sampling NCOs. Please investigate.	B2JWH9	199-D5-13	Hexavalent Chromium	2/7/2012 12:28	199-D5-13_CrVI.pdf
877	2/27/2013	recheck	Data since late 2011 have shown an odd, bimodal distribution. All of the high concentrations were collected by the routine sampling program. All of the low concentrations were "in process" samples. This suggests a systemic sampling error, either by the operators or the routine sampling NCOs. Please investigate.	B2KLR5	199-D5-13	Hexavalent Chromium	6/6/2012 12:18	199-D5-13_CrVI.pdf
877	2/27/2013	recheck	Data since late 2011 have shown an odd, bimodal distribution. All of the high concentrations were collected by the routine sampling program. All of the low concentrations were "in process" samples. This suggests a systemic sampling error, either by the operators or the routine sampling NCOs. Please investigate.	B2L405	199-D5-13	Hexavalent Chromium	7/11/2012 14:15	199-D5-13_CrVI.pdf

Table B-2 Measurements Updated or Under Review

Request Number	Date	Action	Comments	Sample Number	Well	Constituent	Sample Date/Time	Source
877	2/27/2013	recheck	Data since late 2011 have shown an odd, bimodal distribution. All of the high concentrations were collected by the routine sampling program. All of the low concentrations were "in process" samples. This suggests a systemic sampling error, either by the operators or the routine sampling NCOs. Please investigate.	B2L445	199-D5-13	Hexavalent Chromium	7/22/2012 12:00	199-D5-13_CrVI.pdf
877	2/27/2013	recheck	Data since late 2011 have shown an odd, bimodal distribution. All of the high concentrations were collected by the routine sampling program. All of the low concentrations were "in process" samples. This suggests a systemic sampling error, either by the operators or the routine sampling NCOs. Please investigate.	B2LDK2	199-D5-13	Hexavalent Chromium	8/21/2012 11:30	199-D5-13_CrVI.pdf
877	2/27/2013	recheck	Data since late 2011 have shown an odd, bimodal distribution. All of the high concentrations were collected by the routine sampling program. All of the low concentrations were "in process" samples. This suggests a systemic sampling error, either by the operators or the routine sampling NCOs. Please investigate.	B2LRY1	199-D5-13	Hexavalent Chromium	7/22/2012 11:11	199-D5-13_CrVI.pdf
877	2/27/2013	recheck	Data since late 2011 have shown an odd, bimodal distribution. All of the high concentrations were collected by the routine sampling program. All of the low concentrations were "in process" samples. This suggests a systemic sampling error, either by the operators or the routine sampling NCOs. Please investigate.	B2LXT4	199-D5-13	Hexavalent Chromium	8/1/2012 12:30	199-D5-13_CrVI.pdf
877	2/27/2013	recheck	Data since late 2011 have shown an odd, bimodal distribution. All of the high concentrations were collected by the routine sampling program. All of the low concentrations were "in process" samples. This suggests a systemic sampling error, either by the operators or the routine sampling NCOs. Please investigate.	B2LY03	199-D5-13	Hexavalent Chromium	9/5/2012 9:00	199-D5-13_CrVI.pdf
877	2/27/2013	recheck	Data since late 2011 have shown an odd, bimodal distribution. All of the high concentrations were collected by the routine sampling program. All of the low concentrations were "in process" samples. This suggests a systemic sampling error, either by the operators or the routine sampling NCOs. Please investigate.	B2LY50	199-D5-13	Hexavalent Chromium	10/1/2012 9:30	199-D5-13_CrVI.pdf
877	2/27/2013	recheck	Data since late 2011 have shown an odd, bimodal distribution. All of the high concentrations were collected by the routine sampling program. All of the low concentrations were "in process" samples. This suggests a systemic sampling error, either by the operators or the routine sampling NCOs. Please investigate.	B2M3N8	199-D5-13	Hexavalent Chromium	10/5/2012 12:00	199-D5-13_CrVI.pdf
868	2/20/2013	recheck	D5-36 filtered chromium reported at 330 ug/L but filtered Cr was non-detect and CrVI just 3.3 ug/L. The low values are in trend. D5-104 unfiltered total Cr is 2 orders of magnitude lower than Cr(VI) and trend.	B2JWJ9	199-D5-36	Chromium	2/7/2012 10:59	199-D5-36_D5-104_Cr.pdf
868	2/20/2013	recheck	D5-36 filtered chromium reported at 330 ug/L but filtered Cr was non-detect and CrVI just 3.3 ug/L. The low values are in trend. D5-104 unfiltered total Cr is 2 orders of magnitude lower than Cr(VI) and trend.	B2MCV8	199-D5-104	Chromium	10/28/2012 11:15	199-D5-36_D5-104_Cr.pdf
867	2/20/2013	flag	These field Cr(VI) results are an order of magnitude above the well-established trend.	B2LY40	199-D7-3	Hexavalent Chromium	10/1/2012 9:30	199-D7-3_D7-6_CrVI.pdf
867	2/20/2013	flag	These field Cr(VI) results are an order of magnitude above the well-established trend.	B2LY44	199-D7-6	Hexavalent Chromium	10/1/2012 9:30	199-D7-3_D7-6_CrVI.pdf

Table B-2 Measurements Updated or Under Review

Request Number	Date	Action	Comments	Sample Number	Well	Constituent	Sample Date/Time	Source
869	2/20/2013	recheck	For this date we have 2 unfiltered total Cr results and 2 Cr(VI) results (one field, one lab). One of the total Cr and one of the Cr(VI) are an order of magnitude higher than the other results and out of trend. Possible samle mix-up or something?	B2L6W8	199-D8-69	Hexavalent Chromium	4/29/2012 10:36	199-D8-69_Cr-CrVI.pdf
869	2/20/2013	recheck	For this date we have 2 unfiltered total Cr results and 2 Cr(VI) results (one field, one lab). One of the total Cr and one of the Cr(VI) are an order of magnitude higher than the other results and out of trend. Possible samle mix-up or something?	B2L6W8	199-D8-69	Chromium	4/29/2012 10:36	199-D8-69_Cr-CrVI.pdf
889	3/11/2013	see comment	Well 199-D8-92 was never drilled. This applies to a different well name. Please check.	B2J6X4	199-D8-92	Hexavalent Chromium	2/13/2012 10:00	199-D8-92_Well not drilled.pdf
896	3/19/2013	see comment	spike in total chromium, but not in Hex. Chromium. Evaluate.	B2MCL6	199-H1-2	Chromium	10/28/2012 10:20	199-H1-2_total Cr.pdf
870	2/21/2013	flag	The very first data point in these three wells is far below subsequent trend.	B2H5C4	199-H1-6	Chromium (Filtered + Hex Chrome)	9/12/2011 13:30	199-H1-3_etc_CrVI.pdf
870	2/21/2013	flag	The very first data point in these three wells is far below subsequent trend.	B2H5D8	199-H1-3	Chromium (Filtered + Hex Chrome)	9/19/2011 9:10	199-H1-3_etc_CrVI.pdf
870	2/21/2013	flag	The very first data point in these three wells is far below subsequent trend.	B2H5F2	199-H1-4	Chromium (Filtered + Hex Chrome)	9/19/2011 9:10	199-H1-3_etc_CrVI.pdf
871	2/21/2013	recheck	These Cr(VI) results are out of trend, some high and some low. Trends are well established. In some cases field and lab results do not agree. Note the infamous 7/22/12 sample date on three of these.	B2J317	199-H4-76	Chromium (Filtered + Hex Chrome)	11/1/2011 8:10	199-H1-42_etc_CrVI.pdf
871	2/21/2013	recheck	These Cr(VI) results are out of trend, some high and some low. Trends are well established. In some cases field and lab results do not agree. Note the infamous 7/22/12 sample date on three of these.	B2J7T7	199-H1-42	Chromium (Filtered + Hex Chrome)	3/5/2012 10:00	199-H1-42_etc_CrVI.pdf
871	2/21/2013	recheck	These Cr(VI) results are out of trend, some high and some low. Trends are well established. In some cases field and lab results do not agree. Note the infamous 7/22/12 sample date on three of these.	B2LRX9	199-H4-81	Chromium (Filtered + Hex Chrome)	7/22/2012 10:07	199-H1-42_etc_CrVI.pdf
871	2/21/2013	recheck	These Cr(VI) results are out of trend, some high and some low. Trends are well established. In some cases field and lab results do not agree. Note the infamous 7/22/12 sample date on three of these.	B2LRY0	199-H4-80	Chromium (Filtered + Hex Chrome)	7/22/2012 10:10	199-H1-42_etc_CrVI.pdf
871	2/21/2013	recheck	These Cr(VI) results are out of trend, some high and some low. Trends are well established. In some cases field and lab results do not agree. Note the infamous 7/22/12 sample date on three of these.	B2LTB5	199-H1-45	Chromium (Filtered + Hex Chrome)	7/22/2012 8:02	199-H1-42_etc_CrVI.pdf
871	2/21/2013	recheck	These Cr(VI) results are out of trend, some high and some low. Trends are well established. In some cases field and lab results do not agree. Note the infamous 7/22/12 sample date on three of these.	B2MCJ4	199-H4-77	Chromium (Filtered + Hex Chrome)	10/28/2012 8:45	199-H1-42_etc_CrVI.pdf
				B2MT98	299-W14-22	Technetium-99		Date: 6/10/2013 - By: Scot L Fitzgerald: The lab returned the following result (0.1 ug/l U) on a rerun you requested for Tc-99. The value is back in trend with what was expected. I added Lab qualifer to U and changed value from 1710 pCi/L to 17.1 pCi/l U.
					199-K-142	Total Chromium		Date 3/13/2013 - By: C. Miller: The total chrome value is an obvious error (not supported by duplicate or Cr+6 measurements). It should be rejected.
					299-W10-4	Total Chromium		Date 3/13/2013 - By: S.Simmons: The Total Chromium unfiltered value rejected.

Table B-2 Measurements Updated or Under Review

Request Number	Date	Action	Comments	Sample Number	Well	Constituent	Sample Date/Time	Source
					N116mArray-3A	Total petroleum hydrocarbons - diesel range		Date 3/13/2013 - By: B.Williams: The Total petroleum hydrocarbons - diesel range value is is an anomalous value and should be flagged in the database.
					199-N-184	Tritium		Date 3/13/2013 - By: B.Williams: The Tritium value appears anomalous and should be flagged for now. This will be consistent with its twin well N-182.
					299-E33-17	Cyanide		Date 4/4/2013 - By: C. Arola: value changed from 5090 to 1090 after data pull from HEIS.

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100BC5	Chromium	199-B3-52	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	199-B4-15	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7842	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7844	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7845	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7849	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7883	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7884	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C8239	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	05-D	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	05-S	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	06-D	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	06-S	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	AT-B-3-M	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	AT-B-3-S	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C6228	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C6229	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C6231	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C6232	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7718	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7720	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7724	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7725	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7780	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Chromium	C7781	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Chromium_AveF.dat
100BC5	Nitrate	199-B8-7	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Nitrate_AveF.dat
100BC5	Nitrate	199-B8-8	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Nitrate_AveF.dat
100BC5	Nitrate	199-B3-52	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Nitrate_AveF.dat
100BC5	Nitrate	199-B4-15	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Nitrate_AveF.dat
100BC5	Nitrate	C7842	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Nitrate_AveF.dat
100BC5	Nitrate	C7844	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Nitrate_AveF.dat
100BC5	Nitrate	C7845	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Nitrate_AveF.dat
100BC5	Nitrate	C7849	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Nitrate_AveF.dat
100BC5	Nitrate	C7883	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Nitrate_AveF.dat
100BC5	Nitrate	C7884	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Nitrate_AveF.dat
100BC5	Nitrate	C8239	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Nitrate_AveF.dat
100BC5	Strontium-90	199-B3-52	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	199-B4-15	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C7842	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C7844	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C7845	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C7849	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C8239	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	05-D	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	05-S	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	06-D	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	06-S	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100BC5	Strontium-90	AT-B-3-D	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	AT-B-3-M	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C6228	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C6229	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C6231	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C6232	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C7719	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C7720	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C7724	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Strontium-90	C7726	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Sr90_AveF_v2.dat
100BC5	Tritium	199-B3-52	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Tritium_AveF.dat
100BC5	Tritium	199-B4-15	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Tritium_AveF.dat
100BC5	Tritium	C7842	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Tritium_AveF.dat
100BC5	Tritium	C7844	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Tritium_AveF.dat
100BC5	Tritium	C7845	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Tritium_AveF.dat
100BC5	Tritium	C7849	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Tritium_AveF.dat
100BC5	Tritium	C7883	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Tritium_AveF.dat
100BC5	Tritium	C7884	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Tritium_AveF.dat
100BC5	Tritium	C8239	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Tritium_AveF.dat
100BC5	Tritium	C7782	Older measurement no longer representative of aquifer (per project scientist)	100BC5_Tritium_AveF.dat
100D	Chromium	199-D2-8	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-11	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-2	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-21	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-25	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-26	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-27	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-28	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-29	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-3	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-30	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-33	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-34	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-35	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-37	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-40	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-41	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-42	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-43	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-45	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-50	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-52	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-56	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-57	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-58	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-80	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-9	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100D	Chromium	199-D4-92	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D4-93	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D5-140	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D8-54A	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D8-68	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D8-72	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-H3-11	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-H3-2B	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-H4-1	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-H4-12B	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-H4-15B	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-H4-83	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	699-99-42B	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C7850	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C7851	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C7855	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C7862	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C7864	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	36-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	45-M	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	45-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	47-M	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	48-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	50-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	51-M	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	51-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	52-M	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	52-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	54-M	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	54-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	AT-D-1-M	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	AT-D-1-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	AT-D-2-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	AT-D-3-M	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	AT-D-3-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	AT-D-5-M	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	AT-H-1-M	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	AT-H-1-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	AT-H-3-S	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C5633	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C5634	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C5636	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C5637	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C5674	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C5677	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C5678	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C5680	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100D	Chromium	C5681	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6267	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6268	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6270	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6271	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6282	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6285	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6286	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6288	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6291	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6297	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6300	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C6301	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C7646	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C7647	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C7648	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	C7650	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-06-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-12-4	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-15-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-15-4	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-16-4	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-17-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-39-2	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-41-1	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-41-2	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-42-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-42-4	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-43-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-44-4	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-49-2	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-49-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-49-4	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-50-2	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-50-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	DD-50-4	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	Redox-1-6.0	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	Redox-3-4.6	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	Redox-4-3.0	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	Redox-4-6.0	Aquifer Tube - use only maximum for the cluster	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D5-13	Measurement is suspect (per project scientist)	100D_Chromium_high_Matt_MIK.dat
100D	Chromium	199-D2-8	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-11	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-2	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-21	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-25	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-26	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100D	Chromium	199-D4-27	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-28	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-29	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-3	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-30	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-33	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-34	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-35	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-37	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-40	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-41	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-42	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-43	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-45	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-50	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-52	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-56	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-57	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-58	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-80	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-9	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-92	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D4-93	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D5-140	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D8-54A	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D8-68	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D8-72	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-H3-11	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-H3-2B	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-H4-1	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-H4-12B	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-H4-15B	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-H4-83	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	699-99-42B	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C7850	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C7851	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C7855	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C7862	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C7864	Older measurement no longer representative of aquifer (per project scientist)	100D_Chromium_low_matt_MIK.dat
100D	Chromium	36-S	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	45-M	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	45-S	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	47-D	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	48-S	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	50-S	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	51-M	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	51-S	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100D	Chromium	52-M	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	52-S	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	54-M	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	54-S	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	AT-D-1-M	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	AT-D-1-S	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	AT-D-2-S	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	AT-D-3-M	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	AT-D-3-S	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	AT-D-5-M	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	AT-H-1-D	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	AT-H-1-M	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	AT-H-3-S	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C5632	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C5634	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C5635	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C5637	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C5673	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C5676	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C5677	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C5679	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C5681	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6266	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6268	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6270	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6271	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6282	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6284	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6285	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6287	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6290	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6296	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6299	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C6300	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C7646	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C7647	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C7648	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	C7649	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-06-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-12-2	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-15-2	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-15-4	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-16-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-17-2	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-39-2	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-41-2	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-41-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100D	Chromium	DD-42-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-42-4	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-43-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-44-4	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-49-1	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-49-2	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-49-4	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-50-1	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-50-2	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	DD-50-3	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	Redox-1-6.0	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	Redox-3-4.6	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	Redox-4-3.0	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	Redox-4-6.0	Aquifer Tube - use only maximum for the cluster	100D_Chromium_low_matt_MIK.dat
100D	Chromium	199-D5-13	Measurement is suspect (per project scientist)	100D_Chromium_low_matt_MIK.dat
100FR3	Chromium	64-D	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave.dat
100FR3	Chromium	64-M	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave.dat
100FR3	Chromium	AT-F-1-M	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave.dat
100FR3	Chromium	AT-F-1-S	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave.dat
100FR3	Chromium	C6302	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave.dat
100FR3	Chromium	C6306	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave.dat
100FR3	Chromium	C6307	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave.dat
100FR3	Chromium	C6309	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave.dat
100FR3	Chromium	C6311	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave.dat
100FR3	Chromium	C6314	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave.dat
100FR3	Chromium	C6315	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave.dat
100FR3	Chromium	64-D	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave_RevV4.dat
100FR3	Chromium	64-M	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave_RevV4.dat
100FR3	Chromium	AT-F-1-M	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave_RevV4.dat
100FR3	Chromium	AT-F-1-S	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave_RevV4.dat
100FR3	Chromium	C6302	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave_RevV4.dat
100FR3	Chromium	C6306	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave_RevV4.dat
100FR3	Chromium	C6307	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave_RevV4.dat
100FR3	Chromium	C6309	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave_RevV4.dat
100FR3	Chromium	C6311	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave_RevV4.dat
100FR3	Chromium	C6314	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave_RevV4.dat
100FR3	Chromium	C6315	Aquifer Tube - use only maximum for the cluster	100FR3_Chromium_Ave_RevV4.dat
100FR3	Nitrate	64-D	Aquifer Tube - use only maximum for the cluster	100FR3_Nitrate_Ave.dat
100FR3	Strontium-90	64-D	Aquifer Tube - use only maximum for the cluster	100FR3_Sr90_Ave.dat
100FR3	Strontium-90	64-M	Aquifer Tube - use only maximum for the cluster	100FR3_Sr90_Ave.dat
100FR3	Strontium-90	AT-F-1-D	Aquifer Tube - use only maximum for the cluster	100FR3_Sr90_Ave.dat
100FR3	Strontium-90	AT-F-1-M	Aquifer Tube - use only maximum for the cluster	100FR3_Sr90_Ave.dat
100FR3	Strontium-90	C6303	Aquifer Tube - use only maximum for the cluster	100FR3_Sr90_Ave.dat
100FR3	Strontium-90	C6305	Aquifer Tube - use only maximum for the cluster	100FR3_Sr90_Ave.dat
100FR3	Strontium-90	C6307	Aquifer Tube - use only maximum for the cluster	100FR3_Sr90_Ave.dat
100FR3	Strontium-90	C6309	Aquifer Tube - use only maximum for the cluster	100FR3_Sr90_Ave.dat
100FR3	Strontium-90	C6312	Aquifer Tube - use only maximum for the cluster	100FR3_Sr90_Ave.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100FR3	Strontium-90	C6314	Aquifer Tube - use only maximum for the cluster	100FR3_Sr90_Ave.dat
100FR3	Strontium-90	C6315	Aquifer Tube - use only maximum for the cluster	100FR3_Sr90_Ave.dat
100H	Chromium	199-D2-8	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-11	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-2	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-21	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-25	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-26	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-27	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-28	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-29	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-3	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-30	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-33	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-34	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-35	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-37	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-40	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-41	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-42	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-43	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-45	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-50	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-52	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-56	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-57	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-58	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-80	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-9	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-92	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D4-93	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D5-140	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D8-54A	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D8-68	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D8-72	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-H3-11	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-H3-2B	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-H4-1	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-H4-12B	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-H4-15B	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-H4-83	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	699-99-42B	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C7850	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C7851	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C7855	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C7862	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C7864	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_high_Matt_MIK.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100H	Chromium	36-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	45-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	45-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	47-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	48-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	50-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	51-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	51-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	52-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	52-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	54-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	54-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	AT-D-1-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	AT-D-1-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	AT-D-2-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	AT-D-3-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	AT-D-3-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	AT-D-5-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	AT-H-1-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	AT-H-1-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	AT-H-3-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C5633	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C5634	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C5636	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C5637	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C5674	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C5677	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C5678	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C5680	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C5681	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6267	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6268	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6270	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6271	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6282	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6285	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6286	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6288	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6291	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6297	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6300	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C6301	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C7646	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C7647	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C7648	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	C7650	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-06-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100H	Chromium	DD-12-4	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-15-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-15-4	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-16-4	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-17-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-39-2	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-41-1	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-41-2	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-42-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-42-4	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-43-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-44-4	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-49-2	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-49-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-49-4	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-50-2	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-50-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	DD-50-4	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	Redox-1-6.0	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	Redox-3-4.6	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	Redox-4-3.0	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	Redox-4-6.0	Aquifer Tube - use only maximum for the cluster	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D5-13	Measurement is suspect (per project scientist)	100H_Chromium_high_Matt_MIK.dat
100H	Chromium	199-D2-8	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-11	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-2	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-21	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-25	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-26	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-27	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-28	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-29	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-3	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-30	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-33	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-34	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-35	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-37	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-40	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-41	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-42	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-43	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-45	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-50	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-52	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-56	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-57	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100H	Chromium	199-D4-58	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-80	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-9	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-92	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D4-93	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D5-140	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D8-54A	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D8-68	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D8-72	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-H3-11	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-H3-2B	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-H4-1	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-H4-12B	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-H4-15B	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-H4-83	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	699-99-42B	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C7850	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C7851	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C7855	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C7862	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C7864	Older measurement no longer representative of aquifer (per project scientist)	100H_Chromium_low_matt_MIK.dat
100H	Chromium	36-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	45-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	45-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	47-D	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	48-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	50-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	51-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	51-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	52-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	52-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	54-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	54-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	AT-D-1-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	AT-D-1-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	AT-D-2-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	AT-D-3-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	AT-D-3-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	AT-D-5-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	AT-H-1-D	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	AT-H-1-M	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	AT-H-3-S	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C5632	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C5634	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C5635	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C5637	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C5673	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100H	Chromium	C5676	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C5677	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C5679	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C5681	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6266	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6268	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6270	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6271	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6282	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6284	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6285	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6287	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6290	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6296	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6299	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C6300	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C7646	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C7647	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C7648	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	C7649	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-06-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-12-2	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-15-2	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-15-4	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-16-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-17-2	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-39-2	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-41-2	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-41-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-42-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-42-4	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-43-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-44-4	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-49-1	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-49-2	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-49-4	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-50-1	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-50-2	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	DD-50-3	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	Redox-1-6.0	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	Redox-3-4.6	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	Redox-4-3.0	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	Redox-4-6.0	Aquifer Tube - use only maximum for the cluster	100H_Chromium_low_matt_MIK.dat
100H	Chromium	199-D5-13	Measurement is suspect (per project scientist)	100H_Chromium_low_matt_MIK.dat
100HR3	Nitrate	C6267	Aquifer Tube - use only maximum for the cluster	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	C6268	Aquifer Tube - use only maximum for the cluster	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	C6269	Aquifer Tube - use only maximum for the cluster	100HR3_Nitrate_Ave_Matt.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100HR3	Nitrate	C6270	Aquifer Tube - use only maximum for the cluster	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	DD-12-2	Aquifer Tube - use only maximum for the cluster	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	Redox-4-6.0	Aquifer Tube - use only maximum for the cluster	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-D2-8	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-D4-25	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-D4-26	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-D4-27	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-D4-92	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-D4-93	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-D5-140	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-D5-19	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-D8-68	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-D8-71	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-D8-72	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-H3-2B	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-H4-12B	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-H4-15B	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	199-H4-65	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	699-90-45	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	699-93-48A	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	699-98-49A	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Nitrate	699-99-42B	Removed at request of project scientist, based on prior knowledge of site.	100HR3_Nitrate_Ave_Matt.dat
100HR3	Strontium-90	47-M	Aquifer Tube - use only maximum for the cluster	100HR3_Sr90_Ave_Matt.dat
100HR3	Strontium-90	48-S	Aquifer Tube - use only maximum for the cluster	100HR3_Sr90_Ave_Matt.dat
100HR3	Strontium-90	AT-H-3-D	Aquifer Tube - use only maximum for the cluster	100HR3_Sr90_Ave_Matt.dat
100HR3	Strontium-90	C6297	Aquifer Tube - use only maximum for the cluster	100HR3_Sr90_Ave_Matt.dat
100HR3	Strontium-90	C7650	Aquifer Tube - use only maximum for the cluster	100HR3_Sr90_Ave_Matt.dat
100HR3	Strontium-90	DD-15-2	Aquifer Tube - use only maximum for the cluster	100HR3_Sr90_Ave_Matt.dat
100HR3	Strontium-90	DD-15-4	Aquifer Tube - use only maximum for the cluster	100HR3_Sr90_Ave_Matt.dat
100HR3	Strontium-90	DD-16-3	Aquifer Tube - use only maximum for the cluster	100HR3_Sr90_Ave_Matt.dat
100HR3	Strontium-90	DD-17-2	Aquifer Tube - use only maximum for the cluster	100HR3_Sr90_Ave_Matt.dat
100HR3	Tritium	C6266	Aquifer Tube - use only maximum for the cluster	100HR3_Tritium_Ave_Matt_MIK.dat
100HR3	Tritium	C6267	Aquifer Tube - use only maximum for the cluster	100HR3_Tritium_Ave_Matt_MIK.dat
100HR3	Tritium	C6269	Aquifer Tube - use only maximum for the cluster	100HR3_Tritium_Ave_Matt_MIK.dat
100HR3	Tritium	C6270	Aquifer Tube - use only maximum for the cluster	100HR3_Tritium_Ave_Matt_MIK.dat
100HR3	Tritium	DD-44-3	Aquifer Tube - use only maximum for the cluster	100HR3_Tritium_Ave_Matt_MIK.dat
100KR4	Carbon-14	C7641	Aquifer Tube - use only maximum for the cluster	100KR4_Carbon14_Ave.dat
100KR4	Carbon-14	C7643	Aquifer Tube - use only maximum for the cluster	100KR4_Carbon14_Ave.dat
100KR4	Chromium	19-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	21-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	22-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	26-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	26-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	AT-K-3-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	AT-K-3-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	AT-K-4-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	AT-K-4-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100KR4	Chromium	AT-K-5-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	AT-K-5-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	AT-K-6-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	AT-K-6-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6237	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6238	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6239	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6240	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6243	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6244	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6246	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6247	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6248	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6249	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6252	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6253	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6255	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6256	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6258	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6259	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6261	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6264	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6265	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6318	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6319	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6321	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C6322	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C7642	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C7643	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C7935	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C7936	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C7938	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	C7939	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_high_CMiller.dat
100KR4	Chromium	19-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	21-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	22-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	26-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	26-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	AT-K-3-D	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	AT-K-3-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	AT-K-4-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	AT-K-4-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	AT-K-5-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	AT-K-5-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	AT-K-6-M	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	AT-K-6-S	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6236	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100KR4	Chromium	C6237	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6240	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6241	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6243	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6244	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6245	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6246	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6248	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6250	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6251	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6253	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6254	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6255	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6258	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6259	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6260	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6263	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C6264	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C7641	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C7642	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C7935	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C7936	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C7938	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Chromium	C7939	Aquifer Tube - use only maximum for the cluster	100KR4_Chromium_low_CMiller.dat
100KR4	Nitrate	APT5	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	AT-K-3-D	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	AT-K-3-M	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	AT-K-4-M	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	AT-K-5-M	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	AT-K-5-S	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C6260	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C6263	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C6264	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C6317	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C6319	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C6320	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C6322	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C7641	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C7642	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C7934	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C7935	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C7937	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	C7938	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Nitrate	NVP2-116.3	Aquifer Tube - use only maximum for the cluster	100KR4_Nitrate_Ave.dat
100KR4	Strontium-90	199-N-32	Removed at request of project scientist, based on prior knowledge of site.	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	AT-K-4-M	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6243	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100KR4	Strontium-90	C6244	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6246	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6247	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6255	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6256	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6258	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6259	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6263	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6265	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6318	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6319	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6320	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6322	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6324	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C6325	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C7935	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C7936	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C7938	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	C7939	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	N116mArray-6A	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Strontium-90	NVP2-116.0	Aquifer Tube - use only maximum for the cluster	100KR4_Sr90_Ave.dat
100KR4	Trichloroethene	C7641	Aquifer Tube - use only maximum for the cluster	100KR4_TCE_Ave.dat
100KR4	Trichloroethene	C7643	Aquifer Tube - use only maximum for the cluster	100KR4_TCE_Ave.dat
100KR4	Tritium	AT-K-4-M	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C6263	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C6264	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C6317	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C6318	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C6320	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C6321	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C7642	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C7643	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C7934	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C7936	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C7937	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100KR4	Tritium	C7938	Aquifer Tube - use only maximum for the cluster	100KR4_Tritium_Ave.dat
100NR2	Nitrate	APT5	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	AT-K-3-D	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	AT-K-3-M	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	AT-K-4-M	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	AT-K-5-M	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	AT-K-5-S	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C6260	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C6263	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C6264	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C6317	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C6319	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100NR2	Nitrate	C6320	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C6322	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C7641	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C7642	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C7934	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C7935	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C7937	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	C7938	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Nitrate	NVP2-116.3	Aquifer Tube - use only maximum for the cluster	100NR2_Nitrate_Ave.dat
100NR2	Strontium-90	199-N-32	Removed at request of project scientist, based on prior knowledge of site.	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	AT-K-4-M	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6243	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6244	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6246	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6247	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6255	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6256	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6258	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6259	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6263	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6265	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6318	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6319	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6320	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6322	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6324	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C6325	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C7935	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C7936	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C7938	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	C7939	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	N116mArray-6A	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	NVP2-116.0	Aquifer Tube - use only maximum for the cluster	100NR2_Sr90_Ave.dat
100NR2	Strontium-90	199-N-182	Measured at depth outside zone of interest (per project scientist)	100NR2_Sr90_Ave.dat
100NR2	Sulfate	APT5	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	AT-K-3-D	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	AT-K-3-M	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	AT-K-4-D	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	AT-K-5-M	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	AT-K-5-S	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C6261	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C6263	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C6264	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C6317	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C6318	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C6320	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C6321	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
100NR2	Sulfate	C7641	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C7642	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C7934	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C7935	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C7937	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	C7938	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Sulfate	NVP2-116.3	Aquifer Tube - use only maximum for the cluster	100NR2_Sulfate_Ave.dat
100NR2	Total Petroleum Hydrocarbon – Diesel	APT5	Aquifer Tube - use only maximum for the cluster	100NR2_TPHd_Ave.dat
100NR2	Total Petroleum Hydrocarbon – Diesel	C6318	Aquifer Tube - use only maximum for the cluster	100NR2_TPHd_Ave.dat
100NR2	Total Petroleum Hydrocarbon – Diesel	C6319	Aquifer Tube - use only maximum for the cluster	100NR2_TPHd_Ave.dat
100NR2	Total Petroleum Hydrocarbon – Diesel	C6321	Aquifer Tube - use only maximum for the cluster	100NR2_TPHd_Ave.dat
100NR2	Total Petroleum Hydrocarbon – Diesel	C6322	Aquifer Tube - use only maximum for the cluster	100NR2_TPHd_Ave.dat
100NR2	Total Petroleum Hydrocarbon – Diesel	C7935	Aquifer Tube - use only maximum for the cluster	100NR2_TPHd_Ave.dat
100NR2	Total Petroleum Hydrocarbon – Diesel	C7936	Aquifer Tube - use only maximum for the cluster	100NR2_TPHd_Ave.dat
100NR2	Total Petroleum Hydrocarbon – Diesel	C7938	Aquifer Tube - use only maximum for the cluster	100NR2_TPHd_Ave.dat
100NR2	Total Petroleum Hydrocarbon – Diesel	C7939	Aquifer Tube - use only maximum for the cluster	100NR2_TPHd_Ave.dat
100NR2	Tritium	AT-K-4-M	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C6263	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C6264	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C6317	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C6318	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C6320	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C6321	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C7642	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C7643	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C7934	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C7936	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C7937	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
100NR2	Tritium	C7938	Aquifer Tube - use only maximum for the cluster	100NR2_Tritium_Ave_Rev1.dat
200BP5	Nitrate	699-12-2C	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
200BP5	Nitrate	699-12-4D	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1.dat
200BP5	Nitrate	699-13-0A	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1.dat
200BP5	Nitrate	699-13-1E	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1.dat
200BP5	Nitrate	699-13-2D	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1.dat
200BP5	Nitrate	699-13-3A	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1.dat
200BP5	Nitrate	699-12-2C	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1z.dat
200BP5	Nitrate	699-12-4D	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1z.dat
200BP5	Nitrate	699-13-0A	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1z.dat
200BP5	Nitrate	699-13-1E	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1z.dat
200BP5	Nitrate	699-13-2D	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1z.dat
200BP5	Nitrate	699-13-3A	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Nitrate_Ave_Matt_rev1z.dat
200BP5	Tritium	699-24-1R	Measured at depth outside zone of interest (per project scientist)	200BP5_Tritium_Ave_rev1_N.dat
200BP5	Tritium	699-12-2C	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_N.dat
200BP5	Tritium	699-12-4D	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_N.dat
200BP5	Tritium	699-13-0A	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_N.dat
200BP5	Tritium	699-13-1E	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_N.dat
200BP5	Tritium	699-13-2D	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_N.dat
200BP5	Tritium	699-13-3A	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_N.dat
200BP5	Tritium	699-24-1R	Measured at depth outside zone of interest (per project scientist)	200BP5_Tritium_Ave_rev1_S.dat
200BP5	Tritium	699-12-2C	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_S.dat
200BP5	Tritium	699-12-4D	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_S.dat
200BP5	Tritium	699-13-0A	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_S.dat
200BP5	Tritium	699-13-1E	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_S.dat
200BP5	Tritium	699-13-2D	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_S.dat
200BP5	Tritium	699-13-3A	Removed at request of project scientist, based on prior knowledge of site.	200BP5_Tritium_Ave_rev1_S.dat
200PO1	Nitrate	699-12-2C	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Nitrate_Ave_Matt.dat
200PO1	Nitrate	699-12-4D	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Nitrate_Ave_Matt.dat
200PO1	Nitrate	699-13-0A	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Nitrate_Ave_Matt.dat
200PO1	Nitrate	699-13-1E	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Nitrate_Ave_Matt.dat
200PO1	Nitrate	699-13-2D	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Nitrate_Ave_Matt.dat
200PO1	Nitrate	699-13-3A	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Nitrate_Ave_Matt.dat
200PO1	Tritium	699-24-1R	Measured at depth outside zone of interest (per project scientist)	200PO1_Tritium_Ave_Matt_NS.dat
200PO1	Tritium	699-12-2C	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Tritium_Ave_Matt_NS.dat
200PO1	Tritium	699-12-4D	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Tritium_Ave_Matt_NS.dat
200PO1	Tritium	699-13-0A	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Tritium_Ave_Matt_NS.dat
200PO1	Tritium	699-13-1E	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Tritium_Ave_Matt_NS.dat
200PO1	Tritium	699-13-2D	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Tritium_Ave_Matt_NS.dat
200PO1	Tritium	699-13-3A	Removed at request of project scientist, based on prior knowledge of site.	200PO1_Tritium_Ave_Matt_NS.dat
200UP1	Chromium	299-W27-2	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Chromium_Ave_Matt.dat
200UP1	Chromium	299-W22-80	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Chromium_Ave_Matt.dat
200UP1	Chromium	299-W23-15	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Chromium_Ave_Matt.dat
200UP1	Chromium	299-W27-2	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Chromium_Ave_Matt_SSX.dat
200UP1	Chromium	299-W22-80	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Chromium_Ave_Matt_SSX.dat
200UP1	Chromium	299-W23-15	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Chromium_Ave_Matt_SSX.dat
200UP1	Iodine-129	299-W10-30	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Iodine129_Ave.dat
200UP1	Technetium-99	299-W22-90	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Tech99_Ave_Middle.dat
200UP1	Technetium-99	299-W22-80	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Tech99_Ave_Middle.dat

Table B-3 Excluded Measurements

OU	COI	Location	Reason for removal	Input File Name
200UP1	Technetium-99	299-W23-15	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Tech99_Ave_Middle.dat
200UP1	Technetium-99	299-W22-90	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Tech99_Ave_North.dat
200UP1	Technetium-99	299-W22-80	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Tech99_Ave_North.dat
200UP1	Technetium-99	299-W23-15	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Tech99_Ave_North.dat
200UP1	Technetium-99	299-W22-90	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Tech99_Ave_South.dat
200UP1	Technetium-99	299-W22-80	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Tech99_Ave_South.dat
200UP1	Technetium-99	299-W23-15	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Tech99_Ave_South.dat
200UP1	Tritium	299-W22-80	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Tritium_Ave.dat
200UP1	Tritium	299-W23-15	Removed at request of project scientist, based on prior knowledge of site.	200UP1_Tritium_Ave.dat
200ZP1	Chromium	299-W22-80	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Chromium_Ave_Matt.dat
200ZP1	Chromium	299-W23-15	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Chromium_Ave_Matt.dat
200ZP1	Iodine-129	299-W10-30	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Iodine129_Ave_Matt.dat
200ZP1	Nitrate	299-W18-22	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_SSX_Matt.dat
200ZP1	Nitrate	299-W22-80	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_SSX_Matt.dat
200ZP1	Nitrate	299-W23-15	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_SSX_Matt.dat
200ZP1	Nitrate	699-12-2C	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_SSX_Matt.dat
200ZP1	Nitrate	699-12-4D	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_SSX_Matt.dat
200ZP1	Nitrate	699-13-0A	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_SSX_Matt.dat
200ZP1	Nitrate	699-13-1E	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_SSX_Matt.dat
200ZP1	Nitrate	699-13-2D	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_SSX_Matt.dat
200ZP1	Nitrate	699-13-3A	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_SSX_Matt.dat
200ZP1	Nitrate	299-W18-22	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_ZP_Matt.dat
200ZP1	Nitrate	299-W22-80	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_ZP_Matt.dat
200ZP1	Nitrate	299-W23-15	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_ZP_Matt.dat
200ZP1	Nitrate	699-12-2C	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_ZP_Matt.dat
200ZP1	Nitrate	699-12-4D	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_ZP_Matt.dat
200ZP1	Nitrate	699-13-0A	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_ZP_Matt.dat
200ZP1	Nitrate	699-13-1E	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_ZP_Matt.dat
200ZP1	Nitrate	699-13-2D	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_ZP_Matt.dat
200ZP1	Nitrate	699-13-3A	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Nitrate_Ave_ZP_Matt.dat
200ZP1	Technetium-99	299-W22-90	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Tech99_Ave_Matt.dat
200ZP1	Technetium-99	299-W22-80	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Tech99_Ave_Matt.dat
200ZP1	Technetium-99	299-W23-15	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Tech99_Ave_Matt.dat
200ZP1	Tritium	299-W22-80	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Tritium_Ave_Matt.dat
200ZP1	Tritium	299-W23-15	Removed at request of project scientist, based on prior knowledge of site.	200ZP1_Tritium_Ave_Matt.dat
300FF5	Trichloroethene	AT-3-3-S	Aquifer Tube - use only maximum for the cluster	300FF5_TCE_Ave.dat
300FF5	Trichloroethene	AT-3-4-D	Aquifer Tube - use only maximum for the cluster	300FF5_TCE_Ave.dat
300FF5	Trichloroethene	AT-3-4-S	Aquifer Tube - use only maximum for the cluster	300FF5_TCE_Ave.dat
300FF5	Trichloroethene	C6341	Aquifer Tube - use only maximum for the cluster	300FF5_TCE_Ave.dat
300FF5	Trichloroethene	C6342	Aquifer Tube - use only maximum for the cluster	300FF5_TCE_Ave.dat
300FF5	Trichloroethene	C6348	Aquifer Tube - use only maximum for the cluster	300FF5_TCE_Ave.dat
300FF5	Trichloroethene	C6351	Aquifer Tube - use only maximum for the cluster	300FF5_TCE_Ave.dat
300FF5	Uranium	AT-3-1-M	Aquifer Tube - use only maximum for the cluster	300FF5_Uranium_low.dat

Appendix C: Kriging Input Files per GIA and COI

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200ZP1_TCE_Ave.dat **223**

200ZP1_Tech99_Ave_Matt.dat **226**

200ZP1_Tech99_Ave_Matt_noCP.dat **229**

200ZP1_Tritium_Ave_Matt.dat **232**

300FBG_Nitrate_Ave.dat **235**

300FBG_Tritium_Ave_rev1.dat **236**

300FF5_Nitrate_Ave.dat **237**

300FF5_TCE_Ave.dat **239**

300FF5_Tritium_Ave.dat **241**

300FF5_Uranium_high.dat **242**

300FF5_Uranium_low.dat **243**

100BC5_Chromium_AveF.dat

```
VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.078    20.0    0.0   0.0         \it,cc,ang1,ang2,ang3
    900.0  700.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   8
  10     20     48    100    500   1000   2000   5000
TRANSFORM MIK BACKTRAN
10  3
   5  8   10     20     48    100    500   1000   2000   5000
0.99999 .99 0.999  0.5  0.1  0.5  0.5  0.5  0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
564077.4375,145469.25,0,03-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
564612.1875,145283.28125,6.1,04-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,6.1
REM 564908.3125,145332.29688,20.8,05-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,20.8
564908.3125,145332.29688,23.1,05-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,23.1
REM 564908.3125,145332.29688,0,05-S,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 565293.9375,145412.04688,25.1,06-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,25.1
565293.9375,145412.04688,44,06-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,4,0,44
REM 565293.9375,145412.04688,2.1,06-S,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,2.1
564086.5,145264.5625,9,199-B2-13,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,10.3
565096,145232.26563,30.5,199-B2-14,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,1,0,30.5
565561.4375,145342.07813,28.65,199-B3-1,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,31.3
565899.5625,145369.04688,15.4,199-B3-46,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,15.4
565388.6875,145368.95313,50.625,199-B3-47,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,4,0,54.9
566028.875,145058.20313,13.9,199-B3-50,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,1,0,13.9
565289.8125,144791.53125,39.2,199-B4-1,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,39.7
564969.25,144313.98438,68.8363636363636,199-B4-14,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,11,0,179
565377.0625,144479.70313,21.7,199-B4-4,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,21.7
565398.875,144382.84375,49,199-B4-7,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,49
565578.4375,144653.79688,33.3,199-B4-8,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,33.3
564878.125,144764.90625,7.13333333333333,199-B5-1,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,3,0,8.9
565405.4375,144939.6875,31.5,199-B5-2,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,31.5
566014,143587.6875,10.98,199-B5-8,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,5,0,13.7
564498.8125,144157.79688,2.8,199-B8-6,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,2.8
564760.875,144045.17188,50,199-B8-7,Hexavalent Chromium,SoftData,TU,Type 3,NN,1,0,NA
565006.125,144001.01563,50,199-B8-8,Hexavalent Chromium,SoftData,TU,Type 3,NN,1,0,NA
565276.4375,144054.45313,41.575,199-B8-9,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,4,0,95.1
565534.8125,144078.07813,11.7,199-B9-2,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,11.7
565667.375,144046.71875,9.75,199-B9-3,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,6,2,15.3
564590.4375,143249.09375,8.345,699-65-83,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,9.79
563661.625,143873.04688,4.46833333333333,699-67-86,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,12,5,16
566401.9375,145098.60938,0,699-71-77,Chromium,2011,TU,GROUNDWATER WELL,R,1,1,0
564308.875,145379.9375,5.1,AT-B-1-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,5.1
564513.9375,145329.14063,5.8,AT-B-2-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,3,0,5.8
565130.5,145397.26563,26,AT-B-3-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,4,0,26
REM 565128.625,145397.70313,8,AT-B-3-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,8
REM 565127.5,145397.21875,0,AT-B-3-S,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
566438.0625,145746.8125,7.9,AT-B-5-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,7.9
566143.3125,145680.04688,9.8,AT-B-7-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,9.8
564779.125,145298.40625,14.1,C6227,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,14.1
REM 564779.125,145298.40625,7.1,C6228,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,7.1
REM 564779.125,145298.40625,6.7,C6229,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,6.7
565430.125,145453.79688,39.1,C6230,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,39.1
REM 565430.125,145453.79688,16.5,C6231,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,16.5
REM 565430.125,145453.79688,18.1,C6232,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,18.1
REM 564993.125,145388.0625,5.5,C7718,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,5.5
564994.1875,145388.39063,24.6,C7719,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,24.6
REM 564995.125,145388.79688,2.7,C7720,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,2.7
REM 565186.25,145406.78125,3.2,C7724,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,3.2
REM 565187.5,145406.64063,9,C7725,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,9
565188.875,145406.8125,27.6,C7726,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,27.6
REM 565748.875,145555.65625,0,C7780,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 565750.8125,145555.14063,16.6,C7781,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,16.6
565752.625,145558.53125,16.9,C7782,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,16.9
REM 565391,145115.03125,32.8,199-B3-52,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,C,4,0,32.8
REM 565439.6875,144551.98438,23.2,199-B4-15,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,C,4,0,23.2
REM 565391.9375,145327.4375,1.93,C7842,Hexavalent Chromium,2010,TU,BORING,C,4,2,1.93
REM 565290.1875,144761.3125,15.3,C7844,Hexavalent Chromium,2010,TU,BORING,C,4,2,15.3
REM 565355.9375,144638.84375,29.4,C7845,Hexavalent Chromium,2010,TU,BORING,C,4,0,29.4
REM 565397.3125,144026.96875,2.45,C7849,Hexavalent Chromium,2010,TU,BORING,C,4,2,2.45
REM 564812.375,144161.09375,16,C7883,Hexavalent Chromium,2010,NA,BORING,C,3,1,16
REM 564734.5,144158.09375,19,C7884,Hexavalent Chromium,2010,NA,BORING,C,3,0,19
REM 565331.6875,144527.5625,20,C8239,Hexavalent Chromium,2010,NA,BORING,C,4,0,20
563781,142732,0,CP41,Hexavalent Chromium,SoftData,NA,Type 2,NN,1,0,NA
565715,142355,0,CP42,Hexavalent Chromium,SoftData,NA,Type 2,NN,1,0,NA
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100BC5_Nitrate_AveF.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.078     0.0    0.0   0.0         \it,cc,ang1,ang2,ang3
    1500.0  1200.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
 45000   100000   250000   450000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
564612.1875,145283.28125,5580,04-D,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,5580
564908.3125,145332.29688,7790,05-M,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,7790
565293.9375,145412.04688,53600,06-M,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,53600
564086.5,145264.5625,8630,199-B2-13,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,8630
565096,145232.26563,10400,199-B2-14,Nitrate,2011,NA,GROUNDWATER WELL,R,1,0,10400
565561.4375,145342.07813,27400,199-B3-1,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,27400
565899.5625,145369.04688,12400,199-B3-46,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,12400
565388.6875,145368.95313,29400,199-B3-47,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,29400
566028.875,145058.20313,8345,199-B3-50,Nitrate,2010,NA,GROUNDWATER WELL,R,4,0,8500
565289.8125,144791.53125,14900,199-B4-1,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,14900
564969.25,144313.98438,8150,199-B4-14,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,8150
565377.0625,144479.70313,11733.3333333333,199-B4-4,Nitrate,2010,TU,GROUNDWATER WELL,R,3,0,13200
565398.875,144382.84375,9430,199-B4-7,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,9430
565578.4375,144653.79688,10900,199-B4-8,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,10900
564878.125,144764.90625,8150,199-B5-1,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,8150
565405.4375,144939.6875,12466.6666666667,199-B5-2,Nitrate,2010,TU,GROUNDWATER WELL,R,3,0,14400
566014,143587.6875,5160,199-B5-8,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,5270
564498.8125,144157.79688,5490,199-B8-6,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,5490
REM 564760.875,144045.17188,32900,199-B8-7,Nitrate,2010,TU,GROUNDWATER WELL,R,1,0,32900
REM 565006.125,144001.01563,6640,199-B8-8,Nitrate,2010,TU,GROUNDWATER WELL,R,1,0,6640
565276.4375,144054.45313,8026.66666666667,199-B8-9,Nitrate,2011,NA,GROUNDWATER WELL,R,3,0,8720
565667.375,144046.71875,8385,199-B9-3,Nitrate,2011,TU,GROUNDWATER WELL,R,2,0,8540
564590.4375,143249.09375,4706.66666666667,699-65-83,Nitrate,2010,TU,GROUNDWATER WELL,R,3,0,5000
563661.625,143873.04688,3646.66666666667,699-67-86,Nitrate,2010,TU,GROUNDWATER WELL,R,3,0,3940
566401.9375,145098.60938,2060,699-71-77,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,2060
565130.5,145397.26563,7350,AT-B-3-D,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,7350
566438.0625,145746.8125,16400,AT-B-5-D,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,16400
566143.3125,145680.04688,12000,AT-B-7-M,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,12000
REM 565391,145115.03125,21300,199-B3-52,Nitrate,2011,NA,GROUNDWATER WELL,C,4,0,21300
REM 565439.6875,144551.98438,21400,199-B4-15,Nitrate,2011,NA,GROUNDWATER WELL,C,4,0,21400
REM 565391.9375,145327.4375,24900,C7842,Nitrate,2010,TU,BORING,C,4,0,24900
REM 565290.1875,144761.3125,12000,C7844,Nitrate,2010,TU,BORING,C,4,0,12000
REM 565355.9375,144638.84375,9980,C7845,Nitrate,2010,TU,BORING,C,4,0,9980
REM 565397.3125,144026.96875,10200,C7849,Nitrate,2010,TU,BORING,C,4,0,10200
REM 564812.375,144161.09375,6510,C7883,Nitrate,2010,NA,BORING,C,4,0,6510
REM 564734.5,144158.09375,6140,C7884,Nitrate,2010,NA,BORING,C,4,0,6140
REM 565331.6875,144527.5625,11000,C8239,Nitrate,2010,NA,BORING,C,4,0,11000
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100BC5_Sr90_AveF_v2.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.078     0.0    0.0   0.0         \it,cc,ang1,ang2,ang3
    1500.0  1200.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
8 80  10000000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
REM 564908.3125,145332.29688,0,05-D,Strontium-90,2012,TU,AQUIFER TUBE,R,1,1,0
564908.3125,145332.29688,7.7,05-M,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,7.7
REM 564908.3125,145332.29688,5,05-S,Strontium-90,2012,TU,AQUIFER TUBE,R,2,0,5
REM 565293.9375,145412.04688,0,06-D,Strontium-90,2012,TU,AQUIFER TUBE,R,2,2,0
565293.9375,145412.04688,15,06-M,Strontium-90,2012,TU,AQUIFER TUBE,R,2,0,15
REM 565293.9375,145412.04688,1.8,06-S,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,1.8
564086.5,145264.5625,0,199-B2-13,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,1,0
565096,145232.26563,6.2,199-B2-14,Strontium-90,2012,NA,GROUNDWATER WELL,R,1,0,6.2
565561.4375,145342.07813,33,199-B3-1,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,0,33
565899.5625,145369.04688,39,199-B3-46,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,0,39
565388.6875,145368.95313,21.3333333333333,199-B3-47,Strontium-90,2012,TU,GROUNDWATER WELL,R,3,0,23
566028.875,145058.20313,0,199-B3-50,Strontium-90,2012,NA,GROUNDWATER WELL,R,1,1,0
565289.8125,144791.53125,21,199-B4-1,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,0,21
564969.25,144313.98438,0,199-B4-14,Strontium-90,2011,TU,GROUNDWATER WELL,R,2,2,0
565377.0625,144479.70313,15,199-B4-4,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,0,15
565398.875,144382.84375,3.2,199-B4-7,Strontium-90,2011,TU,GROUNDWATER WELL,R,1,0,3.2
565578.4375,144653.79688,1.5,199-B4-8,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,0,1.5
564878.125,144764.90625,0,199-B5-1,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,1,0
565405.4375,144939.6875,12.5,199-B5-2,Strontium-90,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
566014,143587.6875,0,199-B5-8,Strontium-90,2011,NA,GROUNDWATER WELL,R,1,1,0
564498.8125,144157.79688,0,199-B8-6,Strontium-90,2011,TU,GROUNDWATER WELL,R,1,1,0
565276.4375,144054.45313,0,199-B8-9,Strontium-90,2011,NA,GROUNDWATER WELL,R,1,1,0
565667.375,144046.71875,0,199-B9-3,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
564590.4375,143249.09375,0,699-65-83,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
563661.625,143873.04688,0,699-67-86,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
566401.9375,145098.60938,0,699-71-77,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
REM 565130.5,145397.26563,0,AT-B-3-D,Strontium-90,2012,TU,AQUIFER TUBE,R,2,2,0
REM 565128.625,145397.70313,3.6,AT-B-3-M,Strontium-90,2012,TU,AQUIFER TUBE,R,2,0,3.6
565127.5,145397.21875,8,AT-B-3-S,Strontium-90,2012,TU,AQUIFER TUBE,R,2,0,8
566143.3125,145680.04688,0,AT-B-7-M,Strontium-90,SoftData,TU,AQUIFER TUBE,NN,1,0,NA
564779.125,145298.40625,2,C6227,Strontium-90,2012,TU,AQUIFER TUBE,R,2,1,2
REM 564779.125,145298.40625,0,C6228,Strontium-90,2012,TU,AQUIFER TUBE,R,2,2,0
REM 564779.125,145298.40625,0,C6229,Strontium-90,2012,TU,AQUIFER TUBE,R,1,1,0
565430.125,145453.79688,49,C6230,Strontium-90,2012,TU,AQUIFER TUBE,R,2,0,49
REM 565430.125,145453.79688,2.7,C6231,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,2.7
REM 565430.125,145453.79688,4.7,C6232,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,4.7
565566.125,145495.70313,0,C6233,Strontium-90,SoftData,TU,AQUIFER TUBE,NN,1,0,NA
564993.125,145388.0625,0,C7718,Strontium-90,2012,TU,AQUIFER TUBE,R,3,3,0
REM 564994.1875,145388.39063,0,C7719,Strontium-90,2012,TU,AQUIFER TUBE,R,2,2,0
REM 564995.125,145388.79688,0,C7720,Strontium-90,2012,TU,AQUIFER TUBE,R,1,1,0
REM 565186.25,145406.78125,10,C7724,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,10
565187.5,145406.64063,14,C7725,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,14
REM 565188.875,145406.8125,0,C7726,Strontium-90,2012,TU,AQUIFER TUBE,R,1,1,0
565752.625,145558.53125,5.3,C7782,Strontium-90,2010,TU,AQUIFER TUBE,NN,1,0,NA
REM 565391,145115.03125,54.1,199-B3-52,Strontium-90,2011,NA,GROUNDWATER WELL,C,2,0,54.1
REM 565439.6875,144551.98438,8.61,199-B4-15,Strontium-90,2011,NA,GROUNDWATER WELL,C,2,0,8.61
REM 565391.9375,145327.4375,13.3,C7842,Strontium-90,2010,TU,BORING,C,2,0,13.3
REM 565290.1875,144761.3125,21.6,C7844,Strontium-90,2010,TU,BORING,C,2,0,21.6
REM 565355.9375,144638.84375,72.9,C7845,Strontium-90,2010,TU,BORING,C,2,0,72.9
REM 565397.3125,144026.96875,0,C7849,Strontium-90,2010,TU,BORING,C,2,2,0
REM 565331.6875,144527.5625,41.4,C8239,Strontium-90,2010,NA,BORING,C,2,0,41.4
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100BC5_Tritium_AveF.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.078     15.0    0.0   0.0          \it,cc,ang1,ang2,ang3
    1600.0  1200.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
 10000    20000   200000
TRANSFORM MIK BACKTRAN
7 3
1000 2000 10000 20000 80000 200000 600000
.1   0.99  0.9  0.1   0.1   0.1    0.1
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
564077.4375,145469.25,660,03-D,Tritium,2012,TU,AQUIFER TUBE,R,2,0,660
564612.1875,145283.28125,850,04-D,Tritium,2012,TU,AQUIFER TUBE,R,1,0,850
564908.3125,145332.29688,5100,05-M,Tritium,2012,TU,AQUIFER TUBE,R,1,0,5100
565293.9375,145412.04688,22000,06-M,Tritium,2012,TU,AQUIFER TUBE,R,2,0,22000
564086.5,145264.5625,520,199-B2-13,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,520
565096,145232.26563,8200,199-B2-14,Tritium,2012,NA,GROUNDWATER WELL,R,1,0,8200
565561.4375,145342.07813,4100,199-B3-1,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,4100
565899.5625,145369.04688,1900,199-B3-46,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,1900
565388.6875,145368.95313,21000,199-B3-47,Tritium,2012,TU,GROUNDWATER WELL,R,3,0,21000
566028.875,145058.20313,2800,199-B3-50,Tritium,2012,NA,GROUNDWATER WELL,R,1,0,2800
565289.8125,144791.53125,13000,199-B4-1,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,13000
564969.25,144313.98438,6330,199-B4-14,Tritium,2012,TU,GROUNDWATER WELL,R,10,1,13000
565377.0625,144479.70313,12000,199-B4-4,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,12000
565398.875,144382.84375,14000,199-B4-7,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,14000
565578.4375,144653.79688,14000,199-B4-8,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,14000
564878.125,144764.90625,3100,199-B5-1,Tritium,2012,TU,GROUNDWATER WELL,R,2,0,3400
565405.4375,144939.6875,19000,199-B5-2,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,19000
566014,143587.6875,676.666666666667,199-B5-8,Tritium,2012,NA,GROUNDWATER WELL,R,3,0,900
564498.8125,144157.79688,10000,199-B8-6,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,10000
564760.875,144045.17188,28000,199-B8-7,Tritium,2010,TU,GROUNDWATER WELL,R,1,0,28000
565006.125,144001.01563,28000,199-B8-8,Tritium,2010,TU,GROUNDWATER WELL,R,1,0,28000
565276.4375,144054.45313,19750,199-B8-9,Tritium,2012,NA,GROUNDWATER WELL,R,4,0,21000
565534.8125,144078.07813,5700,199-B9-2,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,5700
565667.375,144046.71875,935,199-B9-3,Tritium,2011,TU,GROUNDWATER WELL,R,2,0,1000
564590.4375,143249.09375,0,699-65-83,Tritium,2012,TU,GROUNDWATER WELL,R,1,1,0
563661.625,143873.04688,0,699-67-86,Tritium,2011,TU,GROUNDWATER WELL,R,1,1,0
566401.9375,145098.60938,0,699-71-77,Tritium,2011,TU,GROUNDWATER WELL,R,1,1,0
564308.875,145379.9375,910,AT-B-1-M,Tritium,2012,TU,AQUIFER TUBE,R,1,0,910
564513.9375,145329.14063,2700,AT-B-2-D,Tritium,2012,TU,AQUIFER TUBE,R,3,0,2700
565130.5,145397.26563,5900,AT-B-3-D,Tritium,2012,TU,AQUIFER TUBE,R,2,0,5900
566438.0625,145746.8125,6700,AT-B-5-D,Tritium,2012,TU,AQUIFER TUBE,R,2,0,6700
566143.3125,145680.04688,4600,AT-B-7-M,Tritium,2012,TU,AQUIFER TUBE,R,2,0,4600
564779.125,145298.40625,1400,C6229,Tritium,2012,TU,AQUIFER TUBE,R,1,0,1400
565430.125,145453.79688,8600,C6232,Tritium,2012,TU,AQUIFER TUBE,R,1,0,8600
564995.125,145388.79688,0,C7720,Tritium,2012,TU,AQUIFER TUBE,R,1,1,0
565188.875,145406.8125,8600,C7726,Tritium,2012,TU,AQUIFER TUBE,R,1,0,8600
565750.8125,145555.14063,1900,C7781,Tritium,2012,TU,AQUIFER TUBE,R,1,0,1900
REM 565752.625,145558.53125,1900,C7782,Tritium,2012,TU,AQUIFER TUBE,R,1,0,1900
REM 565391,145115.03125,13400,199-B3-52,Tritium,2011,NA,GROUNDWATER WELL,C,2,0,13400
REM 565439.6875,144551.98438,13100,199-B4-15,Tritium,2011,NA,GROUNDWATER WELL,C,2,0,13100
REM 565391.9375,145327.4375,28800,C7842,Tritium,2010,TU,BORING,C,2,0,28800
REM 565290.1875,144761.3125,18000,C7844,Tritium,2010,TU,BORING,C,2,0,18000
REM 565355.9375,144638.84375,19900,C7845,Tritium,2010,TU,BORING,C,2,0,19900
REM 565397.3125,144026.96875,1740,C7849,Tritium,2010,TU,BORING,C,2,0,1740
REM 564812.375,144161.09375,21700,C7883,Tritium,2010,NA,BORING,C,2,0,21700
REM 564734.5,144158.09375,19900,C7884,Tritium,2010,NA,BORING,C,2,0,19900
REM 565331.6875,144527.5625,17400,C8239,Tritium,2010,NA,BORING,C,2,0,17400
564879,144185,23693,199-B8-7 MIG,Tritium,SoftData,NA,Type 3,NN,1,0,NA
565124,144140,23693,199-B8-8 MIG,Tritium,SoftData,NA,Type 3,NN,1,0,NA
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100D_Chromium_high_Matt_MIK.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05       0.    0.0    0.0               \it,cc,ang1,ang2,ang3
     2000.    2000.    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   9
0.99   1.99   2.50   3.50   4.50   5.50   6.50   7.50   8.50
TRANSFORM MIK BACKTRAN
10  3
1     5    10     20     48    100    480   1000   2000   4800
0.9  0.9     0.5  0.1      0.5  0.5     0.5   0.5     0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
572269.875,151241.625,0,C6266,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572270.4375,151242.23438,0,C6267,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572274.1875,151246.1875,0,C6268,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572332.3125,151317.5625,0,C6271,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572335.8125,151323.20313,0,C6269,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572337.125,151324.51563,0,C6270,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572389.0625,151202.14063,0,199-D4-86,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
REM 572411.375,151396.95313,0,DD-44-4,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572412.6875,151394.28125,0,DD-44-3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572450.5,151443.23438,0,DD-43-2,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572450.875,151443.21875,0,DD-43-3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572453.9375,151165.65625,0,199-D3-2,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
572485.3125,151492.5,0,DD-42-2,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572485.75,151492.5625,0,DD-42-3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572486.1875,151324.20313,6.4875,199-D4-85,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,IP,8,0,12
REM 572486.1875,151492.48438,0,DD-42-4,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,3,3,0
572527.375,151377.07813,5.16,199-D4-99,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,10
REM 572529.6875,151540,0,Redox-4-3.0,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572529.6875,151540,0,Redox-4-6.0,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572532.1875,151530.03125,0,DD-41-2,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572532.6875,151530.73438,12.35,DD-41-3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,1,24.7
REM 572532.875,151530.89063,0,DD-41-1,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572559.375,151282.03125,10.55,199-D4-19,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,14
572568.0625,151433.51563,14.6,199-D4-84,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,IP,8,0,21
572574.5,151481.65625,2.5,199-D4-98,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,11,5,9
572583.1875,151603.03125,0,Redox-3-3.3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572583.1875,151603.03125,0,Redox-3-4.6,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,4,4,0
572606.5625,151625.85938,0,DD-39-1,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572606.875,151626.1875,0,DD-39-2,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572612.8125,151226.70313,26.85,199-D4-95,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,42
572619.5,151351.0625,0,199-D4-62,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
572636.6875,151687.79688,4.65,Redox-2-6.0,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,0,5.5
572671.3125,151537.85938,1.65,199-D4-38,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,14,8,7.1
572672.4375,151592.875,0,199-D4-23,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
572716.3125,151730.8125,0,Redox-1-3.3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572716.3125,151730.8125,0,Redox-1-6.0,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,3,3,0
572747.4375,151650.84375,10.2375,199-D4-39,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,IP,8,0,25
572752.875,151558.89063,7.8,199-D4-1,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,1,0,7.8
572777,151519.78125,88.1,199-D4-96,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,211
572787.6875,150994.54688,9.5,199-D3-5,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,3,0,12.1
572788.4375,151539.29688,78.15,199-D4-22,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,84.4
572800.125,151425.9375,63.1666666666667,199-D4-101,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,IP,6,0,69
572839.8125,151641.64063,1.75,199-D4-14,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,3.5
572859.4375,151723.42188,1.13333333333333,199-D4-83,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,9,6,6.2
572906.25,151625.32813,38.21,199-D4-97,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,85
572909.8125,151746.3125,8.7,199-D5-36,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,0,9.8
572943.0625,151521.51563,176.1,199-D5-101,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,220
572992.25,151428.3125,54.4166666666667,199-D5-127,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,6,0,59.7
572996.8125,151545.59375,0,199-D5-38,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
573000.1875,151119.85938,32.6,199-D2-6,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,1,0,32.6
573003.25,151272.01563,32.6,199-D5-40,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,40
573092.25,151916.35938,7.4,199-D5-37,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,7.5
573095,151714.54688,15.3,199-D5-33,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,16.1
573131.9375,152009.8125,9.18,199-D5-92,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,0,23.1
573142.875,151428.42188,922.916666666667,199-D5-39,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,12,0,1672
573180,151269.4375,250,199-D5-43,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,260
573240,152030.15625,29.0909090909091,199-D5-20,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,11,0,36
573240.4375,151554.125,25.55,199-D5-34,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,0,27.1
573250.125,151302.46875,77.5,199-D5-97,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,3,0,91.3
573265.5,151422.4375,5557.33333333333,199-D5-104,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,12,0,7600
573292.3125,152141.26563,59.21,199-D8-88,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,0,132
573300.25,151349.29688,5633.33333333333,199-D5-122,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,6,0,15000
573306.1875,151417.95313,209.742857142857,199-D5-119,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,7,0,291
573328.1875,151120.73438,9.65,199-D2-11,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,10
573349.625,151402.01563,167.166666666667,199-D5-99,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,6,0,335
573350.25,151459.64063,57.125,199-D5-93,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,1,107
573352,151404.82813,354.2,199-D5-144,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,5,0,817
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573369.5625,151272.4375,15.65,199-D5-98,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,18.8
573372.0625,151903.39063,299,199-D5-32,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,0,416
573377.1875,151406.84375,206,199-D5-120,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,215
573388.6875,152167.375,45.5818181818182,199-D8-73,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,11,0,111
573430.25,151399.26563,105.5,199-D5-121,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,106
573434.6875,152060.82813,64.7,199-D8-6,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,64.7
573447.1875,152090.21875,103.65,199-D8-4,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,108
573478.625,152249.65625,14.52,199-D8-89,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,40
573505.875,151460.875,231,199-D5-103,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,232
573537.125,152243.5,9.3,199-D8-5,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,10.3
573611.9375,152160.60938,188.4,199-D8-95,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,317
573667.375,151746.1875,506,199-D5-125,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,528
573684.375,152006.75,956,199-D5-131,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,1160
573701.5,151784.26563,409,199-D5-143,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,464
573705.6875,151843.28125,785,199-D5-126,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,822
573706,152152.23438,454.636363636364,199-D8-96,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,11,0,682
573731.5625,151497.375,29.25,199-D5-133,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,41
573738.625,151673.75,111.95,199-D5-15,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,153
573789.625,151787.98438,211.5,199-D5-14,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,225
573791.875,151563.26563,34.5,199-D5-142,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,3,0,35.7
573824.1875,151639.40625,82.4,199-D5-123,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,83.3
573837.125,152429.39063,20.25,199-D8-71,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,27.6
573843.625,152552.20313,9.29,199-D8-69,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,0,22
573859.5625,152087.42188,447.4,199-D8-97,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,614
573861.6875,151325.1875,25.6,199-D5-18,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,1,0,25.6
573875.375,151586.875,45.35,199-D5-132,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,49.3
573910.1875,152656.21875,24.35,699-96-52B,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,39.9
573917.4375,151652.51563,41.2,199-D5-16,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,45.1
573942.125,152508.73438,12.8333333333333,199-D8-70,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,3,0,18.5
573948.625,152646.23438,22.48,199-D8-90,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,38
574013.125,152123.01563,16.23,199-D8-98,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,38
574036.875,152741.4375,19.9444444444444,199-D8-91,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,9,0,26
574039.1875,151928.51563,103.46,199-D5-130,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,155
574069.4375,152262.4375,13.65,199-D8-101,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,13.7
574151.375,152363.40625,31.07,199-D7-3,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,54
574159.0625,151643.84375,20.55,199-D6-3,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,22.7
574339.3125,153302.70313,0,699-98-51,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
574429.1875,152980.4375,10.25,199-D7-6,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,21
574439.5,152528.59375,23.7,699-95-51,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,24.9
574468.125,153122.09375,5.1,699-97-51A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,10.2
574823.375,153310.15625,1.2,699-98-49A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,2.4
574850.75,153090.29688,11.76,199-H1-5,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,20
574907,152677.71875,16.36,199-H4-82,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,20
575094.125,151795.29688,7.75,699-93-48A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,8.1
575236.9375,153035.35938,22.1777777777778,199-H4-81,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,9,0,29
575239,152568.15625,22.3222222222222,199-H4-80,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,9,0,27
575253.4375,152323.04688,21.65,699-95-48,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,22.9
575726.875,153365.625,43.8,699-98-46,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,46.2
575826.75,153366.875,43.5,199-H1-4,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,IP,2,0,45
576032.375,154124.17188,3.1,699-101-45,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,3,12.4
576037.8125,153745.73438,25.12,199-H1-6,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,32
576257,152556.28125,43.4,699-95-45,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,46.5
576279.625,154069.96875,2.17,199-H1-25,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,2,5
576403.875,154024.20313,2.65,199-H1-27,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,2,8
576451.0625,153378.26563,33.98,199-H1-2,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,46
576458.75,153592.40625,22.2,699-99-44,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,34.3
576487.8125,152975.4375,76.06,199-H4-77,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,87.5
576625.625,152087.90625,39.25,699-94-43,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,42.1
576675.875,154008.65625,0,699-100-43B,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,4,0
576702.3125,153384.48438,19.83,199-H1-1,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,48
576767.0625,153766,5.19,199-H1-32,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,1,23
576787.3125,152976.84375,73.75,199-H4-76,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,8,0,80.5
576833.3125,153716.23438,5.59090909090909,199-H1-33,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,11,1,24
576883.125,153667.0625,3.34,199-H1-34,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,3,11
576885.625,153486.51563,35.44,199-H1-36,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,60
576958.25,153628.14063,2.04,199-H1-35,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,3,9
577106.9375,153641.625,1.5,199-H1-37,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,4,5
577127.1875,153391.65625,10.38,199-H1-42,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,15,0,32
577161,153555.01563,3.17,199-H1-38,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,3,14
577212.375,152704.64063,58.81,199-H4-75,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,78.8
577213.75,153384.28125,7.19166666666667,199-H1-43,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,12,1,22
577217.5,153090.375,19.6,699-97-41,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,31.1
577223.0625,152111.6875,12.85,699-94-41,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,13.1
577223.5625,153533.40625,1.59090909090909,199-H1-39,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,11,6,7
577240.9375,153062.40625,5.03333333333333,199-H1-45,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,9,0,13
577279.3125,153500.1875,2.4,199-H1-40,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,13,4,10
577284,153590.73438,0.4,699-99-41,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,6,5,2.4
577454.6875,152287.5,30.75,199-H3-5,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,38.1
577544.3125,152293.20313,9.17,199-H3-4,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,1,26
577562.0625,152363.17188,7.55,199-H3-3,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,11.9
577585.3125,152888.39063,0,199-H4-6,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
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577624.625,152750.0625,0,199-H3-2A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
577629.625,153172.09375,14.15,199-H1-7,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,4,0,20.7
577650.0625,152257.71875,26.75,199-H5-1A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,32.2
577713.8125,152445.15625,11.35,199-H4-49,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,14.6
577771.5625,151737.09375,26.4,199-H6-4,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,1,0,26.4
577792.6875,152620.21875,3.05,199-H4-48,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,6.1
577827.1875,153155.8125,0,199-H4-10,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
577883.875,152439.875,2.75,199-H4-46,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,5.5
577902.5625,152848.73438,45.05,199-H4-84,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,48.2
577904.3125,153053.42188,3.68181818181818,199-H4-15A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,11,3,11
577931.75,152279.96875,1,199-H3-7,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,1,2
577940.5,152858.53125,26.8,199-H4-3,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,44.6
577944.9375,152939.78125,1.5,199-H4-5,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,3
577946.125,153010.57813,0.9,199-H4-64,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,5,4
577981.9375,152591.57813,0,199-H4-16,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
577998.25,152787.28125,4.3,199-H4-65,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,5.9
578003.8125,152646.45313,0.7,199-H4-70,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,4,2
578009.125,152912.73438,0,199-H4-12A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
578014.0625,152686.65625,3.68,199-H4-69,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,1,8
578060.875,152853.95313,1.2,199-H4-4,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,5,4
578141.875,152728.4375,1.05,199-H4-11,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,2.1
578156.375,152433.39063,3.3,199-H4-45,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,4.6
578185.8125,152665.53125,4.53,199-H4-63,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,1,13
578219.3125,152595.26563,4.7,199-H4-13,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,6.5
578236.5625,152247.625,8.6,199-H6-1,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,1,0,8.6
578266.5,152425.32813,10.4,199-H3-6,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,3,0,11.8
578340.375,151929.34375,19.7,199-H6-3,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,22.3
REM 573263.625,151208.59375,34.6285714285714,199-D2-8,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,7,0,40
REM 572768.9375,151554.14063,0,199-D4-11,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572665.875,151424.46875,4.5,199-D4-13,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,1,9
572936.625,151424.85938,54.35,199-D4-15,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,60.9
REM 572768.375,151543.96875,60,199-D4-2,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,60
572794.0625,151257.46875,178.5,199-D4-20,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,183
REM 572778.875,151569.79688,0,199-D4-21,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572711.4375,151476.23438,114.271428571429,199-D4-25,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,7,0,244
REM 572712.3125,151488.875,0,199-D4-26,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,4,4,0
REM 572724.25,151493.48438,131.128571428571,199-D4-27,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,7,1,258
REM 572725.0625,151506.07813,10,199-D4-28,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572736.875,151510.6875,0,199-D4-29,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572766.0625,151546.125,40,199-D4-3,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,40
REM 572737.4375,151523.21875,0,199-D4-30,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572749.4375,151528,20.25,199-D4-31,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,20.3
572790.875,151573.75,154,199-D4-32,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,166
REM 572792.625,151585.9375,0,199-D4-33,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572804.625,151590.03125,10,199-D4-34,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572806.3125,151602.28125,470,199-D4-35,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,470
572818.1875,151606.21875,54.65,199-D4-36,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,56.6
REM 572820.3125,151618.57813,100,199-D4-37,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,100
572754.625,151571.60938,10.2,199-D4-4,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,10.2
REM 572832.375,151622.64063,120,199-D4-40,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,120
REM 572834.125,151634.65625,0,199-D4-41,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572847.125,151642.4375,70,199-D4-42,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,70
REM 572849.625,151656.20313,120,199-D4-43,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,120
REM 572868,151671.79688,0,199-D4-45,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572881.3125,151703.45313,4.6,199-D4-48,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,5.6
572740.5625,151556.5,9.8,199-D4-5,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,9.8
REM 572687.3125,151454,0,199-D4-50,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572674.9375,151436.73438,0,199-D4-52,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572657.625,151402.28125,0,199-D4-56,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572645.9375,151397.85938,0,199-D4-57,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572644.8125,151385.35938,0,199-D4-58,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572733.3125,151577.92188,8.8,199-D4-6,Hexavalent Chromium,2012,UU,GROUNDWATER WELL,R,1,0,8.8
572760.875,151551.25,0,199-D4-7,Hexavalent Chromium,2012,UU,GROUNDWATER WELL,R,1,1,0
572511.3125,151218.26563,1.1,199-D4-78,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,1,2.2
REM 572496.875,151202.59375,0,199-D4-80,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572758.1875,151543.3125,10,199-D4-9,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572714.0625,151486.3125,0,199-D4-92,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,6,6,0
REM 572710.375,151491.20313,0,199-D4-93,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,6,6,0
573428.125,151340.23438,16.5,199-D5-102,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,16.5
573503.75,151597.96875,33.1,199-D5-106,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,33.1
REM 573535.5,151955.1875,959,199-D5-13,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,959
REM 573750.6875,151778.8125,380,199-D5-140,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,R,2,0,388
573730.5,151322.82813,19.7,199-D5-17,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,23.4
573849.125,151243.1875,5.8,199-D5-19,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,5.8
572993.5625,151835.73438,1.58,199-D5-44,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
573889.875,152452.26563,35,199-D8-53,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,IP,1,0,35
REM 573781.1875,152408.03125,27.8,199-D8-54A,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,8,0,91
573620.9375,152364.34375,1.58,199-D8-55,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
REM 573711.6875,152427.09375,9.06666666666667,199-D8-68,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,12,3,39
REM 573570.5,152211.78125,438.222222222222,199-D8-72,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,9,0,1005
576163.0625,153372.21875,15.5,199-H1-3,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,2,1,31
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577410.375,152978.48438,0.67,199-H3-25,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
REM 578148.5,152657.64063,18,199-H4-1,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,IP,1,0,18
REM 578004.375,152918.46875,6.1,199-H4-12B,Hexavalent Chromium,2011,UU,GROUNDWATER WELL,R,2,0,6.1
REM 577899.625,153059.54688,16.8,199-H4-15B,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,0,17
577804.125,152890.84375,34.7333333333333,199-H4-7,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,6,0,37.3
577860.6875,152921.70313,14.9,199-H4-8,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,16.4
577923.1875,152893.89063,15,199-H4-9,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,17.8
576169.25,151024.53125,4.7,699-90-45,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,4.7
575910.9375,151156.64063,6.5,699-91-46A,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,6.5
576761.4375,152605.3125,68.4,699-96-43,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,4,0,71.1
576859.8125,152981.29688,70.35,699-97-43B,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,73.2
576051.6875,152978.95313,42.6,699-97-45,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,45.1
575247.5625,152909.76563,23.7,699-97-48B,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,25.1
576863.25,153371.375,54.65,699-98-43,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,54.9
REM 577010.25,153761.01563,1.11666666666667,699-99-42B,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,6,5,6.7
574470.875,153465.1875,1.58,199-D2-10,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
573622.375,151237.34375,1.58,199-D5-128,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
573735.5,151465.125,1.58,199-D5-129,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574129.875,151691.70313,1.58,199-D6-1,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574544.625,151970.20313,1.58,199-D6-2,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574377.0625,152369.64063,1.58,199-D7-4,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574434.3125,152678.71875,1.58,199-D7-5,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574006.75,152364.375,1.58,199-D8-99,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
575706.0625,154183.60938,0.67,199-H1-20,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
575896.8125,154163.79688,0.67,199-H1-21,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
REM 577786.75,152490.40625,26.2,199-H3-11,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,C,6,0,26.2
REM 577628.25,152757.15625,10,199-H3-2B,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,C,3,1,10
576168.25,152166.125,0.67,199-H4-78,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
575659.125,151989.3125,0.67,199-H4-79,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
REM 578135.0625,152634.01563,8.26,199-H4-83,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,C,6,0,8.26
REM 573888.9375,152315.26563,39,C7850,Hexavalent Chromium,2011,NA,BORING,C,4,0,39
REM 573701.5,152307.29688,33,C7851,Hexavalent Chromium,2011,NA,BORING,C,4,0,33
REM 573841.625,151608.15625,151,C7855,Hexavalent Chromium,2010,NA,BORING,C,4,0,151
REM 577708.875,152479.39063,0,C7862,Hexavalent Chromium,2010,TU,BORING,C,4,4,0
REM 578090.0625,152428.01563,7.54,C7864,Hexavalent Chromium,2011,NA,BORING,C,4,2,7.54
574343.4375,153300.01563,1.58,199-D2-12,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
573479.75,151622.67188,1.58,199-D5-42,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
574148.6875,153085.79688,1.58,199-D8-93,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574047.8125,152949.53125,1.58,199-D8-94,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577440.8125,152846.5,0.67,199-H3-26,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577567.0625,152811.14063,0.67,199-H3-27,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577803.75,152752.35938,0.67,199-H4-14,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
577779.1875,153037.64063,0.67,199-H4-17,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
578018.3125,152756.48438,0.67,199-H4-18,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
578010.625,152581.53125,0.67,199-H4-71,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
578036.25,152500.14063,0.67,199-H4-72,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577940.5625,152369.98438,0.67,199-H4-73,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577239.0625,152268.82813,0.67,199-H4-74,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577886.5,152194.10938,0.67,199-H6-2,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
573120.625,152146.4375,0,36-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573120.625,152146.4375,0,36-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573471.875,152368.7188,0,38-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577033.125,153810.5313,0,44-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577597.8125,153493.7969,0,45-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577597.8125,153493.7969,0,45-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577597.8125,153493.7969,0,45-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578193.375,152744.4219,0,47-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578193.9375,152743.5313,0,47-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578465.5,152420.7969,0,48-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578465.5,152420.7969,0,48-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578699.75,152232.8594,0,49-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578611.8125,152118.0781,0,50-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578611.8125,152118.1563,0,50-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578779.25,151843.75,0,51-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578779.25,151843.75,0,51-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578779.25,151843.75,0,51-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578919.5,151586.1719,0,52-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578919.5,151586.1719,0,52-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578919.5,151586.1719,0,52-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
579033.5,151231.9375,0,54-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 579033.5,151231.9375,0,54-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 579033.5,151231.9375,0,54-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572860.625,151852.0625,0,AT-D-1-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572861.5,151850.4063,0,AT-D-1-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572861.0625,151850.9844,0,AT-D-1-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573105.75,152130.3125,0,AT-D-2-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573108.25,152129.7813,0,AT-D-2-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573233.25,152224.3125,0,AT-D-3-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573234.6875,152224.9688,0,AT-D-3-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573233.6875,152224.6094,0,AT-D-3-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572992.25,152039.5625,0,AT-D-4-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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573934.8125,152850.5938,0,AT-D-5-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573934.6875,152848.2031,0,AT-D-5-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578068.75,152955.0625,0,AT-H-1-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578069.125,152954.3281,0,AT-H-1-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578070.25,152957.4844,0,AT-H-1-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578109.8125,152896.4375,0,AT-H-2-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578142.1875,152853.0781,0,AT-H-3-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578141.8125,152848.9375,0,AT-H-3-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576389.25,154227.6875,0,C5632,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 576390.625,154227.9844,0,C5633,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 576391.4375,154228.9063,0,C5634,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576478.8125,154181.125,0,C5635,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 576481.375,154179.4375,0,C5636,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 576483.6875,154178.2969,0,C5637,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576634.0625,154070.375,0,C5638,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576871.5625,153916.625,0,C5641,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576960.875,153869.3125,0,C5644,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577157.4375,153736.6719,0,C5673,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577157.4375,153736.6719,0,C5674,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577276.25,153656.0625,0,C5676,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577277.3125,153657.1875,0,C5677,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577278.625,153653.5,0,C5678,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577409.6875,153593.4063,0,C5679,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577409.375,153593.7969,0,C5680,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577407.4375,153594.5781,0,C5681,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577699.8125,153338.7031,0,C5682,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572920.4375,151926.8594,0,C6272,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573337.5,152284.9375,0,C6275,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573534,152428.1875,0,C6278,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
574056.8125,153353.3125,0,C6281,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 574057.5,153353.5938,0,C6282,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576042.3125,154363.625,0,C6284,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 576039.25,154364.3125,0,C6285,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 576037.5,154364.5,0,C6286,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576781.625,153965.5469,0,C6287,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 576783.375,153964.0469,0,C6288,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577793.5,153266.0156,0,C6290,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577792.375,153267,0,C6291,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578035.0625,152996.7031,0,C6293,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578314.8125,152574.7969,0,C6296,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578313.25,152575.125,0,C6297,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578585.375,152323.625,0,C6299,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578585.1875,152324.6563,0,C6300,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578583.5625,152323.2656,0,C6301,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572046.3125,150949.9844,0,C6334,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572077,151003.0625,0,C7645,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572077.5,151003.8125,0,C7646,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572076.625,151002.4688,0,C7647,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572077.25,151003.5469,0,C7648,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578271.1875,152659.9375,0,C7649,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578271.5625,152659.0156,0,C7650,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573964.5625,153015.375,0,DD-06-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573964.5625,153015.375,0,DD-06-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573818.6875,152683.7031,0,DD-12-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573819.6875,152683.5781,0,DD-12-4,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573700.625,152547.8281,0,DD-15-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573700.625,152547.3125,0,DD-15-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573701.25,152548.2031,0,DD-15-4,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573650.4375,152516.125,0,DD-16-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573651.1875,152517,0,DD-16-4,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573598,152482.7656,0,DD-17-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573597.1875,152483.2969,0,DD-17-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572213.6875,151161.5469,0,DD-49-1,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572213.9375,151162.7813,0,DD-49-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572210.8125,151163.2969,0,DD-49-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572211.125,151163.9844,0,DD-49-4,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572172.1875,151121.1563,0,DD-50-1,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572172.625,151121.5625,0,DD-50-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572172.1875,151120,0,DD-50-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572173,151121.1875,0,DD-50-4,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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100D_Chromium_low_matt_MIK.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05      -40.    0.0    0.0               \it,cc,ang1,ang2,ang3
     2000.    2000.    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   9
0.99   1.99   2.50   3.50   4.50   5.50   6.50   7.50   8.50
TRANSFORM MIK BACKTRAN
10  3
1     5    10     20     48    100    480   1000   2000   4800
0.9  0.9     0.5  0.1      0.5  0.5     0.5   0.5     0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
572046.3125,150949.98438,3.5,C6334,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,1,7
REM 572076.625,151002.46875,2.5,C7647,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,1,5
572077,151003.0625,3.9,C7645,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.9
REM 572077.25,151003.54688,0,C7648,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572077.5,151003.8125,3.5,C7646,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.5
REM 572172.1875,151120,4.2,DD-50-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.2
REM 572172.1875,151121.15625,0,DD-50-1,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572172.625,151121.5625,0,DD-50-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572173,151121.1875,11.5,DD-50-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,11.5
572210.8125,151163.29688,10,DD-49-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,10
REM 572211.125,151163.98438,0,DD-49-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572213.6875,151161.54688,4.9,DD-49-1,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.9
REM 572213.9375,151162.78125,0,DD-49-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572269.875,151241.625,0,C6266,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572270.4375,151242.23438,3.8,C6267,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.8
REM 572274.1875,151246.1875,0,C6268,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572332.3125,151317.5625,0,C6271,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
572335.8125,151323.20313,0,C6269,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572337.125,151324.51563,0,C6270,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572389.0625,151202.14063,3.5,199-D4-86,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,7
REM 572411.375,151396.95313,0,DD-44-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
572412.6875,151394.28125,0,DD-44-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572450.5,151443.23438,0,DD-43-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572450.875,151443.21875,0,DD-43-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
572453.9375,151165.65625,11.5,199-D3-2,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,12
572485.3125,151492.5,0,DD-42-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572485.75,151492.5625,0,DD-42-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572486.1875,151324.20313,6.66,199-D4-85,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,IP,5,0,8
REM 572486.1875,151492.48438,0,DD-42-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
572511.3125,151218.26563,1.1,199-D4-78,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,2.2
572527.375,151377.07813,4.81428571428571,199-D4-99,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,8.2
REM 572529.6875,151540,0,Redox-4-3.0,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572529.6875,151540,0,Redox-4-6.0,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
REM 572532.1875,151530.03125,0,DD-41-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,4,4,0
REM 572532.6875,151530.73438,0,DD-41-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572532.875,151530.89063,0,DD-41-1,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572559.375,151282.03125,0,199-D4-19,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,2,0
572568.0625,151433.51563,27.12,199-D4-84,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,IP,5,0,31.6
572574.5,151481.65625,18.4142857142857,199-D4-98,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,24
572583.1875,151603.03125,0,Redox-3-3.3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572583.1875,151603.03125,0,Redox-3-4.6,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
572606.5625,151625.85938,0,DD-39-1,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572606.875,151626.1875,0,DD-39-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572612.8125,151226.70313,28.4428571428571,199-D4-95,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,30
572636.6875,151687.79688,10.05,Redox-2-6.0,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,10.2
572665.875,151424.46875,4.5,199-D4-13,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,9
572671.3125,151537.85938,15.9428571428571,199-D4-38,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,0,25
572672.4375,151592.875,1.05,199-D4-23,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,2.1
572716.3125,151730.8125,0,Redox-1-3.3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572716.3125,151730.8125,0,Redox-1-6.0,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,4,4,0
572733.3125,151577.92188,8.8,199-D4-6,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,1,0,8.8
572740.5625,151556.5,9.8,199-D4-5,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,9.8
572747.4375,151650.84375,113.666666666667,199-D4-39,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,151
572749.4375,151528,20.25,199-D4-31,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,20.3
572752.875,151558.89063,11.1,199-D4-1,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,11.1
572754.625,151571.60938,10.2,199-D4-4,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,10.2
572760.875,151551.25,0,199-D4-7,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,1,1,0
572777,151519.78125,148,199-D4-96,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,168
572787.6875,150994.54688,15.15,199-D3-5,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,15.7
572790.875,151573.75,154,199-D4-32,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,166
572794.0625,151257.46875,178.5,199-D4-20,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,183
572800.125,151425.9375,30.32,199-D4-101,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,IP,5,0,40
572818.1875,151606.21875,54.65,199-D4-36,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,56.6
572839.8125,151641.64063,6.45,199-D4-14,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,7.3
572859.4375,151723.42188,6.88571428571429,199-D4-83,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,0,10
572860.625,151852.0625,0,AT-D-1-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,4,4,0
REM 572861.0625,151850.98438,0,AT-D-1-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
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REM 572861.5,151850.40625,0,AT-D-1-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572881.3125,151703.45313,4.6,199-D4-48,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,5.6
572906.25,151625.32813,48.1,199-D4-97,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,60.3
572909.8125,151746.3125,5.55,199-D5-36,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,11.1
572920.4375,151926.85938,0,C6272,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572936.625,151424.85938,54.35,199-D4-15,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,60.9
572943.0625,151521.51563,126.857142857143,199-D5-101,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,144
572992.25,151428.3125,53.3666666666667,199-D5-127,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,63
572992.25,152039.5625,0,AT-D-4-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572996.8125,151545.59375,20.1,199-D5-38,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,20.9
573000.1875,151119.85938,20.7,199-D2-6,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,23.8
573003.25,151272.01563,28.4,199-D5-40,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,29.4
573092.25,151916.35938,10.65,199-D5-37,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,12.8
573095,151714.54688,3.2,199-D5-33,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,3.2
573105.75,152130.3125,0,AT-D-2-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573108.25,152129.78125,0,AT-D-2-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573120.625,152146.4375,6.2,36-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,6.2
REM 573120.625,152146.4375,0,36-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573131.9375,152009.8125,15.9,199-D5-92,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,17
573142.875,151428.42188,767.833333333333,199-D5-39,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,935
573180,151269.4375,130,199-D5-43,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,136
573233.25,152224.3125,0,AT-D-3-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573233.6875,152224.60938,0,AT-D-3-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573234.6875,152224.96875,0,AT-D-3-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573240,152030.15625,24.9666666666667,199-D5-20,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,26
573240.4375,151554.125,85.5,199-D5-34,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,85.8
573250.125,151302.46875,46.1,199-D5-97,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,46.1
573265.5,151422.4375,4185.66666666667,199-D5-104,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,4544
573292.3125,152141.26563,90.1833333333333,199-D8-88,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,114
573300.25,151349.29688,1842.66666666667,199-D5-122,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,3970
573306.1875,151417.95313,596.94,199-D5-119,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,1410
573328.1875,151120.73438,14.4,199-D2-11,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,15.9
573337.5,152284.9375,0,C6275,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573349.625,151402.01563,933.333333333333,199-D5-99,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,1990
573350.25,151459.64063,117,199-D5-93,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,132
573352,151404.82813,2860,199-D5-144,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,4,0,6060
573369.5625,151272.4375,18.3,199-D5-98,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,18.3
573372.0625,151903.39063,336.571428571429,199-D5-32,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,0,393
573377.1875,151406.84375,506.05,199-D5-120,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,930
573388.6875,152167.375,66,199-D8-73,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,IP,2,0,75
573428.125,151340.23438,16.5,199-D5-102,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,16.5
573430.25,151399.26563,84.7,199-D5-121,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,93.4
573434.6875,152060.82813,162,199-D8-6,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,177
573447.1875,152090.21875,112,199-D8-4,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,116
573471.875,152368.71875,0,38-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573478.625,152249.65625,59.6,199-D8-89,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,85
573503.75,151597.96875,33.1,199-D5-106,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,33.1
573505.875,151460.875,694,199-D5-103,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,722
573534,152428.1875,0,C6278,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573535.5,151955.1875,959,199-D5-13,Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,959
573537.125,152243.5,21.3,199-D8-5,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,22.9
573597.1875,152483.29688,11.9,DD-17-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,15.9
REM 573598,152482.76563,11.8,DD-17-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,11.8
573611.9375,152160.60938,399.166666666667,199-D8-95,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,553
REM 573650.4375,152516.125,5.1,DD-16-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,5.1
573651.1875,152517,15.5,DD-16-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,15.5
573667.375,151746.1875,379,199-D5-125,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,379
573684.375,152006.75,643,199-D5-131,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,749
573700.625,152547.3125,13.05,DD-15-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,13.3
REM 573700.625,152547.82813,9.7,DD-15-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,9.7
REM 573701.25,152548.20313,9.8,DD-15-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,9.8
573701.5,151784.26563,298.75,199-D5-143,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,4,0,312
573705.6875,151843.28125,540,199-D5-126,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,1,0,540
573706,152152.23438,683,199-D8-96,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,728
573730.5,151322.82813,19.7,199-D5-17,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,23.4
573731.5625,151497.375,15.75,199-D5-133,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,17.1
573738.625,151673.75,29.1,199-D5-15,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,29.6
573789.625,151787.98438,165,199-D5-14,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,168
573791.875,151563.26563,25.75,199-D5-142,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,27.2
REM 573818.6875,152683.70313,0,DD-12-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573819.6875,152683.57813,3.5,DD-12-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.5
573824.1875,151639.40625,50.5,199-D5-123,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,1,0,50.5
573837.125,152429.39063,86.1,199-D8-71,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,86.1
573843.625,152552.20313,22.6,199-D8-69,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,25.2
573849.125,151243.1875,5.8,199-D5-19,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,5.8
573859.5625,152087.42188,469,199-D8-97,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,492
573861.6875,151325.1875,23.7,199-D5-18,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,23.7
573875.375,151586.875,45.9,199-D5-132,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,46.3
573910.1875,152656.21875,22,699-96-52B,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,23.5
573917.4375,151652.51563,60.75,199-D5-16,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,63.6
REM 573934.6875,152848.20313,0,AT-D-5-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
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573934.8125,152850.59375,0,AT-D-5-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573942.125,152508.73438,26.85,199-D8-70,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,29
573948.625,152646.23438,21.3166666666667,199-D8-90,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,24
573964.5625,153015.375,0,DD-06-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573964.5625,153015.375,0,DD-06-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
574013.125,152123.01563,36.7166666666667,199-D8-98,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,58
574036.875,152741.4375,25.2666666666667,199-D8-91,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,28
574039.1875,151928.51563,87,199-D5-130,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,94
574056.8125,153353.3125,0,C6281,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 574057.5,153353.59375,0,C6282,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
574069.4375,152262.4375,16.5,199-D8-101,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,18.1
574151.375,152363.40625,43.1,199-D7-3,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,51
574159.0625,151643.84375,13.6,199-D6-3,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,14.6
574339.3125,153302.70313,13.2,699-98-51,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,14.1
574429.1875,152980.4375,16.6,199-D7-6,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,20
574439.5,152528.59375,23.6,699-95-51,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,24.6
574468.125,153122.09375,7.95,699-97-51A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,11.9
574823.375,153310.15625,0,699-98-49A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,1,0
574850.75,153090.29688,14.3166666666667,199-H1-5,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,17
574907,152677.71875,20.95,199-H4-82,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,23
575094.125,151795.29688,9.9,699-93-48A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,9.9
575236.9375,153035.35938,22.1,199-H4-81,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,24
575239,152568.15625,21.9166666666667,199-H4-80,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,24
575247.5625,152909.76563,23.7,699-97-48B,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,25.1
575253.4375,152323.04688,21.3,699-95-48,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,22.8
575726.875,153365.625,39.5,699-98-46,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,41.2
575826.75,153366.875,43.6,199-H1-4,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,4,0,45.7
575910.9375,151156.64063,6.5,699-91-46A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,6.5
576032.375,154124.17188,21.9,699-101-45,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,24.1
576037.5,154364.5,6.5,C6286,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,6.5
576037.8125,153745.73438,21.18,199-H1-6,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,24
REM 576039.25,154364.3125,4.3,C6285,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.3
REM 576042.3125,154363.625,3.9,C6284,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.9
576051.6875,152978.95313,42.6,699-97-45,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,45.1
576163.0625,153372.21875,15.5,199-H1-3,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,1,31
576169.25,151024.53125,4.7,699-90-45,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,4.7
576257,152556.28125,37.25,699-95-45,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,37.6
576279.625,154069.96875,16.9333333333333,199-H1-25,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,34
REM 576389.25,154227.6875,2.1,C5632,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.1
576390.625,154227.98438,7,C5633,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,7
REM 576391.4375,154228.90625,4.7,C5634,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.7
576403.875,154024.20313,21.86,199-H1-27,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,32.9
576451.0625,153378.26563,41.32,199-H1-2,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,44.2
576458.75,153592.40625,26.85,699-99-44,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,27.2
REM 576478.8125,154181.125,0,C5635,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
576481.375,154179.4375,11.2,C5636,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,11.2
REM 576483.6875,154178.29688,7,C5637,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,7
576487.8125,152975.4375,67.15,199-H4-77,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,73
576625.625,152087.90625,43.35,699-94-43,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,43.5
576634.0625,154070.375,8.6,C5638,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,8.6
576675.875,154008.65625,9.5,699-100-43B,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,11.7
576702.3125,153384.48438,33.0333333333333,199-H1-1,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,42
576761.4375,152605.3125,66.25,699-96-43,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,67.3
576767.0625,153766,20.3333333333333,199-H1-32,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,27.6
REM 576781.625,153965.54688,5.9,C6287,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,5.9
576783.375,153964.04688,12.5,C6288,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,12.5
576787.3125,152976.84375,57.2166666666667,199-H4-76,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,65
576833.3125,153716.23438,13.92,199-H1-33,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,16.4
576859.8125,152981.29688,70.35,699-97-43B,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,73.2
576863.25,153371.375,54.65,699-98-43,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,54.9
576871.5625,153916.625,24.7,C5641,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,24.7
576883.125,153667.0625,11.6666666666667,199-H1-34,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,13.2
576885.625,153486.51563,42.4166666666667,199-H1-36,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,48
576958.25,153628.14063,15.4666666666667,199-H1-35,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,18.6
576960.875,153869.3125,6.95,C5644,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,9
577033.125,153810.53125,2.4,44-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.4
577106.9375,153641.625,9.01428571428571,199-H1-37,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,12.1
577127.1875,153391.65625,21.4833333333333,199-H1-42,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,26.6
REM 577157.4375,153736.67188,5.7,C5673,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,5.7
577157.4375,153736.67188,6.4,C5674,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,8
577161,153555.01563,8.68333333333333,199-H1-38,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,12
577212.375,152704.64063,54.08,199-H4-75,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,58.3
577213.75,153384.28125,20.5,199-H1-43,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,26
577217.5,153090.375,15.525,699-97-41,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,0,15.7
577223.0625,152111.6875,12.9,699-94-41,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,13.1
577223.5625,153533.40625,6.36666666666667,199-H1-39,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,7.7
577240.9375,153062.40625,5.6,199-H1-45,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,4,0,7.9
REM 577276.25,153656.0625,4.3,C5676,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.3
REM 577277.3125,153657.1875,5.05,C5677,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,5.2
577278.625,153653.5,6.6,C5678,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,6.6
577279.3125,153500.1875,4.45,199-H1-40,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,6
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577284,153590.73438,5.9,699-99-41,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,6.2
REM 577407.4375,153594.57813,4.4,C5681,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.4
577409.375,153593.79688,5.5,C5680,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,5.5
REM 577409.6875,153593.40625,2.6,C5679,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.6
577454.6875,152287.5,11.7,199-H3-5,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,11.7
577544.3125,152293.20313,14.48,199-H3-4,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,16.3
577562.0625,152363.17188,14,199-H3-3,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,14
577585.3125,152888.39063,0,199-H4-6,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,2,0
577597.8125,153493.79688,2.65,45-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,1,5.3
REM 577597.8125,153493.79688,0,45-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
REM 577597.8125,153493.79688,0,45-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
577624.625,152750.0625,0,199-H3-2A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,1,0
577629.625,153172.09375,4.8,199-H1-7,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,5.4
577650.0625,152257.71875,20.3,199-H5-1A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,20.3
577699.8125,153338.70313,0,C5682,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
577713.8125,152445.15625,11.2,199-H4-49,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,11.2
577771.5625,151737.09375,24,199-H6-4,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,1,0,24
577792.375,153267,2.1,C6291,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.1
577792.6875,152620.21875,10.6,199-H4-48,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,14.8
REM 577793.5,153266.01563,0,C6290,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
577804.125,152890.84375,34.7333333333333,199-H4-7,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,37.3
577827.1875,153155.8125,9.2,199-H4-10,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,11
577860.6875,152921.70313,14.9,199-H4-8,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,16.4
577883.875,152439.875,1,199-H4-46,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,2,2
577902.5625,152848.73438,20.875,199-H4-84,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,4,0,24.4
577904.3125,153053.42188,15.1,199-H4-15A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,17
577923.1875,152893.89063,15,199-H4-9,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,17.8
577931.75,152279.96875,0,199-H3-7,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,2,0
577940.5,152858.53125,31.14,199-H4-3,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,65.6
577944.9375,152939.78125,15.3,199-H4-5,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,18.1
577946.125,153010.57813,10.26,199-H4-64,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,13.7
577981.9375,152591.57813,0,199-H4-16,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,1,0
577998.25,152787.28125,2.1,199-H4-65,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,2.1
578003.8125,152646.45313,0,199-H4-70,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,5,0
578009.125,152912.73438,32.35,199-H4-12A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,32.4
578014.0625,152686.65625,3.14,199-H4-69,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,6.2
578035.0625,152996.70313,0,C6293,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
578060.875,152853.95313,10.96,199-H4-4,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,14.8
REM 578068.75,152955.0625,4.5,AT-H-1-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.5
REM 578069.125,152954.32813,0,AT-H-1-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
578070.25,152957.48438,4.6,AT-H-1-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.6
578109.8125,152896.4375,4.5,AT-H-2-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.5
REM 578141.8125,152848.9375,2.9,AT-H-3-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.9
578141.875,152728.4375,7,199-H4-11,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,7
578142.1875,152853.07813,3.35,AT-H-3-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,4.2
578156.375,152433.39063,1.45,199-H4-45,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,2.9
578185.8125,152665.53125,11.64,199-H4-63,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,17
REM 578193.375,152744.42188,0,47-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
578193.9375,152743.53125,2.6,47-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.6
578219.3125,152595.26563,6.275,199-H4-13,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,0,7.5
578236.5625,152247.625,10.5,199-H6-1,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,10.7
578266.5,152425.32813,4.95,199-H3-6,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,5.2
REM 578271.1875,152659.9375,2.1,C7649,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.1
578271.5625,152659.01563,24.6,C7650,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,24.6
578313.25,152575.125,8.3,C6297,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,8.3
REM 578314.8125,152574.79688,0,C6296,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
578340.375,151929.34375,18.6,199-H6-3,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,1,0,18.6
578465.5,152420.79688,10.3,48-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,10.3
REM 578465.5,152420.79688,10.2,48-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,10.2
578583.5625,152323.26563,9.2,C6301,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,9.2
REM 578585.1875,152324.65625,4.4,C6300,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.4
REM 578585.375,152323.625,0,C6299,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
578611.8125,152118.07813,7.4,50-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,7.4
REM 578611.8125,152118.15625,7.1,50-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,7.1
578699.75,152232.85938,6.4,49-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,6.4
578779.25,151843.75,14.6,51-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,14.6
REM 578779.25,151843.75,6,51-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,6
REM 578779.25,151843.75,2.2,51-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.2
578919.5,151586.17188,0,52-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 578919.5,151586.17188,0,52-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 578919.5,151586.17188,0,52-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
579033.5,151231.9375,0,54-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 579033.5,151231.9375,0,54-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 579033.5,151231.9375,0,54-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573263.625,151208.59375,34.6285714285714,199-D2-8,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,7,0,40
REM 572768.9375,151554.14063,0,199-D4-11,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572768.375,151543.96875,60,199-D4-2,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,60
REM 572778.875,151569.79688,0,199-D4-21,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572788.4375,151539.29688,289.433333333333,199-D4-22,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,3,0,712
REM 572711.4375,151476.23438,114.271428571429,199-D4-25,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,7,0,244
REM 572712.3125,151488.875,0,199-D4-26,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,4,4,0
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REM 572724.25,151493.48438,131.128571428571,199-D4-27,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,7,1,258
REM 572725.0625,151506.07813,10,199-D4-28,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572736.875,151510.6875,0,199-D4-29,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572766.0625,151546.125,40,199-D4-3,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,40
REM 572737.4375,151523.21875,0,199-D4-30,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572792.625,151585.9375,0,199-D4-33,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572804.625,151590.03125,10,199-D4-34,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572806.3125,151602.28125,470,199-D4-35,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,470
REM 572820.3125,151618.57813,100,199-D4-37,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,100
REM 572832.375,151622.64063,120,199-D4-40,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,120
REM 572834.125,151634.65625,0,199-D4-41,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572847.125,151642.4375,70,199-D4-42,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,70
REM 572849.625,151656.20313,120,199-D4-43,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,120
REM 572868,151671.79688,0,199-D4-45,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572687.3125,151454,0,199-D4-50,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572674.9375,151436.73438,0,199-D4-52,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572657.625,151402.28125,0,199-D4-56,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572645.9375,151397.85938,0,199-D4-57,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572644.8125,151385.35938,0,199-D4-58,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572619.5,151351.0625,10.2,199-D4-62,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,3,2,30.6
REM 572496.875,151202.59375,0,199-D4-80,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572758.1875,151543.3125,10,199-D4-9,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572714.0625,151486.3125,0,199-D4-92,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,6,6,0
REM 572710.375,151491.20313,0,199-D4-93,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,6,6,0
REM 573750.6875,151778.8125,380,199-D5-140,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,R,2,0,388
572993.5625,151835.73438,1.58,199-D5-44,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
573889.875,152452.26563,35,199-D8-53,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,IP,1,0,35
REM 573781.1875,152408.03125,27.8,199-D8-54A,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,8,0,91
573620.9375,152364.34375,1.58,199-D8-55,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
REM 573711.6875,152427.09375,9.06666666666667,199-D8-68,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,12,3,39
REM 573570.5,152211.78125,438.222222222222,199-D8-72,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,9,0,1005
577410.375,152978.48438,0.67,199-H3-25,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
REM 578148.5,152657.64063,18,199-H4-1,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,IP,1,0,18
REM 578004.375,152918.46875,6.1,199-H4-12B,Hexavalent Chromium,2011,UU,GROUNDWATER WELL,R,2,0,6.1
REM 577899.625,153059.54688,16.8,199-H4-15B,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,0,17
REM 577010.25,153761.01563,1.11666666666667,699-99-42B,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,6,5,6.7
574470.875,153465.1875,1.58,199-D2-10,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
573622.375,151237.34375,1.58,199-D5-128,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
573735.5,151465.125,1.58,199-D5-129,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574129.875,151691.70313,1.58,199-D6-1,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574544.625,151970.20313,1.58,199-D6-2,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574377.0625,152369.64063,1.58,199-D7-4,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574434.3125,152678.71875,1.58,199-D7-5,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574006.75,152364.375,1.58,199-D8-99,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
575706.0625,154183.60938,0.67,199-H1-20,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
575896.8125,154163.79688,0.67,199-H1-21,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
REM 577786.75,152490.40625,26.2,199-H3-11,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,C,6,0,26.2
REM 577628.25,152757.15625,10,199-H3-2B,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,C,3,1,10
576168.25,152166.125,0.67,199-H4-78,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
575659.125,151989.3125,0.67,199-H4-79,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
REM 578135.0625,152634.01563,8.26,199-H4-83,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,C,6,0,8.26
REM 573888.9375,152315.26563,39,C7850,Hexavalent Chromium,2011,NA,BORING,C,4,0,39
REM 573701.5,152307.29688,33,C7851,Hexavalent Chromium,2011,NA,BORING,C,4,0,33
REM 573841.625,151608.15625,151,C7855,Hexavalent Chromium,2010,NA,BORING,C,4,0,151
REM 577708.875,152479.39063,0,C7862,Hexavalent Chromium,2010,TU,BORING,C,4,4,0
REM 578090.0625,152428.01563,7.54,C7864,Hexavalent Chromium,2011,NA,BORING,C,4,2,7.54
574343.4375,153300.01563,1.58,199-D2-12,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
573479.75,151622.67188,1.58,199-D5-42,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
574148.6875,153085.79688,1.58,199-D8-93,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574047.8125,152949.53125,1.58,199-D8-94,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577440.8125,152846.5,0.67,199-H3-26,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577567.0625,152811.14063,0.67,199-H3-27,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577803.75,152752.35938,0.67,199-H4-14,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
577779.1875,153037.64063,0.67,199-H4-17,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
578018.3125,152756.48438,0.67,199-H4-18,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
578010.625,152581.53125,0.67,199-H4-71,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
578036.25,152500.14063,0.67,199-H4-72,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577940.5625,152369.98438,0.67,199-H4-73,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577239.0625,152268.82813,0.67,199-H4-74,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577886.5,152194.10938,0.67,199-H6-2,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.01  45.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1400.0 800.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   8
0.8   1.5   2.5   3.5   4.5   5.5   6.5   7.5
TRANSFORM MIK BACKTRAN
9  3
   5     10     20     48    100    480   1000   2000   4800
0.99999 0.8  0.5  0.5  0.5  0.5  0.5  0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
580011.0625,148805.29688,6.7,199-F1-2,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,6.7
581250.125,147736.85938,4.4,199-F5-1,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,6.7
580583.1875,147533.73438,41.4,199-F5-4,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,43.6
581285.5,147834.8125,0,199-F5-42,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,2,0
581183.875,147948.0625,0,199-F5-43A,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,2,0
581060.875,148043.20313,12.5,199-F5-44,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,0,13.5
580706.875,147683.92188,32.75,199-F5-45,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,34.6
580841.3125,147781.51563,18.5,199-F5-46,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,18.5
580495.5,147508.45313,12.9,199-F5-47,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,0,14.8
580517.5625,147690.09375,10.1,199-F5-48,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,3,0,12.1
580672.8125,148143.8125,5.2,199-F5-52,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,6.6
581145.5,147576.4375,10.55,199-F5-54,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,12.4
581076.125,147797.5625,0,199-F5-55,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,2,2,0
580440.625,147556.35938,8.65,199-F5-56,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,2,0,10.3
580901.625,148041.98438,19.05,199-F5-6,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,19.9
581375.875,147564.51563,6,199-F6-1,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,6
579687.1875,147022.4375,0,199-F7-1,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,2,0
580060.0625,147770.40625,4.65,199-F7-2,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,0,7
579884.6875,147112.53125,2.75,199-F7-3,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,1,5.5
580373.875,147468.46875,0,199-F8-2,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,2,0
580254,147253.375,1.8,199-F8-3,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,1,3.6
580958.5,147123.53125,3.95,199-F8-4,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,1,7.9
580242.9375,147116.73438,2.8,199-F8-7,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,2,1,5.6
580387.625,148586.3125,0,62-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 581118.756,148037.975,0,64-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 581118.756,148037.975,0,64-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581118.756,148037.975,0,64-S,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581475.9375,147541.8125,0,66-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
581616.375,147291.4375,0,67-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
581758.4375,147085.17188,0,68-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
582308.8125,141345.92188,0,699-58-24,Chromium,2011,TU,GROUNDWATER WELL,R,1,1,0
580115.0625,141901.98438,5.8,699-60-32,Chromium,2012,UU,GROUNDWATER WELL,R,1,0,5.8
580302.625,142532.46875,0,699-62-31,Chromium,2012,UU,GROUNDWATER WELL,R,1,1,0
582315.5,142798,0,699-63-25A,Chromium,2012,U,GROUNDWATER WELL,R,1,1,0
581375.4375,142946.07813,0,699-64-27,Chromium,2011,TU,GROUNDWATER WELL,R,1,1,0
582864.75,143617.1875,0,699-66-23,Chromium,2011,TU,INDEPENDENT PIEZOMETER,R,1,1,0
580603.375,145226.90625,0,699-71-30,Chromium,2012,UU,GROUNDWATER WELL,R,1,1,0
576393.125,146098.78125,0,699-74-44,Chromium,2012,TU,GROUNDWATER WELL,R,2,2,0
578847.1875,146868.9375,5.6,699-77-36,Chromium,2011,TU,GROUNDWATER WELL,R,1,0,5.6
578172.375,148241.5625,0,699-81-38,Chromium,2011,U,GROUNDWATER WELL,R,1,1,0
575492.0625,148705.25,23.8,699-83-47,Chromium,2011,TU,GROUNDWATER WELL,R,1,0,23.8
577015.875,149603.90625,0,699-86-42,Hexavalent Chromium,2012,U,GROUNDWATER WELL,R,1,1,0
576955.125,150059.125,13.6,699-87-42A,Hexavalent Chromium,2012,U,GROUNDWATER WELL,R,1,0,13.6
582600.5,145608.4375,0,74-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
582793.5,145283.98438,2,75-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,2
582878.75,145087.32813,0,76-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
582957.1875,144889.25,0,77-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581378.6875,147707.32813,6.2,AT-F-1-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,4,2,6.2
REM 581378.375,147708.40625,0,AT-F-1-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 581377.9375,147709.39063,0,AT-F-1-S,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 580940,148180.15625,0,C6302,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
580942.3125,148180.04688,3.2,C6303,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,3.2
581252.25,147922.65625,0,C6305,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 581251.375,147924,0,C6306,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 581250.5625,147926.3125,0,C6307,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581296.375,147871.20313,0,C6308,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 581294.0625,147874.10938,0,C6309,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 581333,147821.26563,0,C6311,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581331.1875,147823.5625,6.7,C6312,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,6.7
REM 581354.6875,147760.53125,0,C6314,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 581354.5,147761.40625,0,C6315,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581354.75,147759.40625,5.1,C6316,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,5.1
580158.5625,147192.84375,1.53,C7971,Hexavalent Chromium,2011,NA,BORING,C,4,2,1.53
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.01  45.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1400.0 800.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   16
0.5 1 5 10 20 40 60 80 100 120 140 160 180 200 220 240
TRANSFORM MIK BACKTRAN
9  3
   5     10     20     48    100    480   1000   2000   4800
0.99999 0.8  0.5  0.5  0.5  0.5  0.5  0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
580011.0625,148805.29688,6.7,199-F1-2,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,6.7
581250.125,147736.85938,4.4,199-F5-1,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,6.7
580583.1875,147533.73438,41.4,199-F5-4,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,43.6
581285.5,147834.8125,0,199-F5-42,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,2,0
581183.875,147948.0625,0,199-F5-43A,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,2,0
581060.875,148043.20313,12.5,199-F5-44,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,0,13.5
580706.875,147683.92188,32.75,199-F5-45,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,34.6
580841.3125,147781.51563,18.5,199-F5-46,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,18.5
580495.5,147508.45313,12.9,199-F5-47,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,0,14.8
580517.5625,147690.09375,10.1,199-F5-48,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,3,0,12.1
580672.8125,148143.8125,5.2,199-F5-52,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,6.6
581145.5,147576.4375,10.55,199-F5-54,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,12.4
581076.125,147797.5625,0,199-F5-55,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,2,2,0
580440.625,147556.35938,8.65,199-F5-56,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,2,0,10.3
580901.625,148041.98438,19.05,199-F5-6,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,19.9
581375.875,147564.51563,6,199-F6-1,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,6
579687.1875,147022.4375,0,199-F7-1,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,2,0
580060.0625,147770.40625,4.65,199-F7-2,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,0,7
579884.6875,147112.53125,2.75,199-F7-3,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,1,5.5
580373.875,147468.46875,0,199-F8-2,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,2,0
580254,147253.375,1.8,199-F8-3,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,1,3.6
580958.5,147123.53125,3.95,199-F8-4,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,1,7.9
580242.9375,147116.73438,2.8,199-F8-7,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,2,1,5.6
580387.625,148586.3125,0,62-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 581118.756,148037.975,0,64-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 581118.756,148037.975,0,64-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581118.756,148037.975,0,64-S,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581475.9375,147541.8125,0,66-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
581616.375,147291.4375,0,67-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
581758.4375,147085.17188,0,68-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
582308.8125,141345.92188,0,699-58-24,Chromium,2011,TU,GROUNDWATER WELL,R,1,1,0
580115.0625,141901.98438,5.8,699-60-32,Chromium,2012,UU,GROUNDWATER WELL,R,1,0,5.8
580302.625,142532.46875,0,699-62-31,Chromium,2012,UU,GROUNDWATER WELL,R,1,1,0
582315.5,142798,0,699-63-25A,Chromium,2012,U,GROUNDWATER WELL,R,1,1,0
581375.4375,142946.07813,0,699-64-27,Chromium,2011,TU,GROUNDWATER WELL,R,1,1,0
582864.75,143617.1875,0,699-66-23,Chromium,2011,TU,INDEPENDENT PIEZOMETER,R,1,1,0
580603.375,145226.90625,0,699-71-30,Chromium,2012,UU,GROUNDWATER WELL,R,1,1,0
576393.125,146098.78125,0,699-74-44,Chromium,2012,TU,GROUNDWATER WELL,R,2,2,0
578847.1875,146868.9375,5.6,699-77-36,Chromium,2011,TU,GROUNDWATER WELL,R,1,0,5.6
578172.375,148241.5625,0,699-81-38,Chromium,2011,U,GROUNDWATER WELL,R,1,1,0
575492.0625,148705.25,23.8,699-83-47,Chromium,2011,TU,GROUNDWATER WELL,R,1,0,23.8
577015.875,149603.90625,0,699-86-42,Hexavalent Chromium,2012,U,GROUNDWATER WELL,R,1,1,0
576955.125,150059.125,13.6,699-87-42A,Hexavalent Chromium,2012,U,GROUNDWATER WELL,R,1,0,13.6
582600.5,145608.4375,0,74-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
582793.5,145283.98438,2,75-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,2
582878.75,145087.32813,0,76-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
582957.1875,144889.25,0,77-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581378.6875,147707.32813,6.2,AT-F-1-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,4,2,6.2
REM 581378.375,147708.40625,0,AT-F-1-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 581377.9375,147709.39063,0,AT-F-1-S,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 580940,148180.15625,0,C6302,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
580942.3125,148180.04688,3.2,C6303,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,3.2
581252.25,147922.65625,0,C6305,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 581251.375,147924,0,C6306,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 581250.5625,147926.3125,0,C6307,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581296.375,147871.20313,0,C6308,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 581294.0625,147874.10938,0,C6309,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 581333,147821.26563,0,C6311,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581331.1875,147823.5625,6.7,C6312,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,6.7
REM 581354.6875,147760.53125,0,C6314,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 581354.5,147761.40625,0,C6315,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
581354.75,147759.40625,5.1,C6316,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,5.1
580158.5625,147192.84375,1.53,C7971,Hexavalent Chromium,2011,NA,BORING,C,4,2,1.53
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05  130.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     3000.0 3000.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
 45000   250000   450000   900000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
580011.0625,148805.29688,21100,199-F1-2,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,21100
581250.125,147736.85938,5400,199-F5-1,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,5400
580583.1875,147533.73438,144000,199-F5-4,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,144000
581285.5,147834.8125,2400,199-F5-42,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,2400
581183.875,147948.0625,3560,199-F5-43A,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,3560
581060.875,148043.20313,13700,199-F5-44,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,13700
580706.875,147683.92188,64200,199-F5-45,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,64200
580841.3125,147781.51563,40100,199-F5-46,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,40100
580495.5,147508.45313,134000,199-F5-47,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,134000
580517.5625,147690.09375,85900,199-F5-48,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,93400
580672.8125,148143.8125,21400,199-F5-52,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,21400
581145.5,147576.4375,104000,199-F5-54,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,104000
581076.125,147797.5625,24450,199-F5-55,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,30000
580440.625,147556.35938,146000,199-F5-56,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,161000
580901.625,148041.98438,15700,199-F5-6,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,15700
581375.875,147564.51563,2990,199-F6-1,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,2990
579687.1875,147022.4375,46000,199-F7-1,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,46000
580060.0625,147770.40625,56700,199-F7-2,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,56700
579884.6875,147112.53125,68200,199-F7-3,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,68200
580373.875,147468.46875,102000,199-F8-2,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,102000
580254,147253.375,94700,199-F8-3,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,94700
580958.5,147123.53125,79700,199-F8-4,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,79700
580242.9375,147116.73438,111000,199-F8-7,Nitrate,2012,NA,GROUNDWATER WELL,R,1,0,111000
580387.625,148586.3125,9070,62-M,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,9070
REM 581118.756,148037.975,3720,64-D,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,3720
581475.9375,147541.8125,1750,66-D,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,1750
581616.375,147291.4375,522,67-M,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,522
581758.4375,147085.17188,210,68-D,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,210
582308.8125,141345.92188,4340,699-58-24,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,4340
580115.0625,141901.98438,25500,699-60-32,Nitrate,2012,UU,GROUNDWATER WELL,R,1,0,25500
580302.625,142532.46875,81000,699-62-31,Nitrate,2012,UU,GROUNDWATER WELL,R,1,0,81000
582315.5,142798,26000,699-63-25A,Nitrate,2012,U,GROUNDWATER WELL,R,1,0,26000
581375.4375,142946.07813,46000,699-64-27,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,46000
582864.75,143617.1875,34500,699-66-23,Nitrate,2011,TU,INDEPENDENT PIEZOMETER,R,1,0,34500
580603.375,145226.90625,95200,699-71-30,Nitrate,2012,UU,GROUNDWATER WELL,R,1,0,95200
576393.125,146098.78125,4905,699-74-44,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,7040
578847.1875,146868.9375,32800,699-77-36,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,32800
578172.375,148241.5625,3230,699-81-38,Nitrate,2011,U,GROUNDWATER WELL,R,1,0,3230
575492.0625,148705.25,11100,699-83-47,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,11100
576955.125,150059.125,6510,699-87-42A,Nitrate,2012,U,GROUNDWATER WELL,R,1,0,6510
582600.5,145608.4375,5490,74-D,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,5490
582793.5,145283.98438,25800,75-D,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,25800
582878.75,145087.32813,14800,76-D,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,14800
582957.1875,144889.25,10400,77-D,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,10400
581378.6875,147707.32813,2020,AT-F-1-D,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,2020
580942.3125,148180.04688,3840,C6303,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,3840
581250.5625,147926.3125,3050,C6307,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,3050
581294.0625,147874.10938,5930,C6309,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,5930
581331.1875,147823.5625,4960,C6312,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,4960
581354.75,147759.40625,1520,C6316,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,1520
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.02  45.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     400.0 400.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   2
0.5   1.5
TRANSFORM MIK BACKTRAN
4 3
1  8  15 80
.1 0.5 .5 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
580011.0625,148805.29688,0,199-F1-2,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
581250.125,147736.85938,17,199-F5-1,Strontium-90,2011,TU,GROUNDWATER WELL,R,1,0,17
580583.1875,147533.73438,0,199-F5-4,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,1,0
581285.5,147834.8125,0,199-F5-42,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,1,0
581183.875,147948.0625,4.4,199-F5-43A,Strontium-90,2011,TU,GROUNDWATER WELL,R,1,0,4.4
581060.875,148043.20313,7.8,199-F5-44,Strontium-90,2011,TU,GROUNDWATER WELL,R,1,0,7.8
580706.875,147683.92188,1.2,199-F5-45,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,0,1.2
580841.3125,147781.51563,6.3,199-F5-46,Strontium-90,2011,TU,GROUNDWATER WELL,R,1,0,6.3
580517.5625,147690.09375,0,199-F5-48,Strontium-90,2010,TU,GROUNDWATER WELL,R,4,4,0
580672.8125,148143.8125,0,199-F5-52,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,1,0
581145.5,147576.4375,6.3,199-F5-54,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,0,6.3
581076.125,147797.5625,160,199-F5-55,Strontium-90,2012,NA,GROUNDWATER WELL,R,2,0,200
580440.625,147556.35938,45,199-F5-56,Strontium-90,2012,NA,GROUNDWATER WELL,R,2,0,59
580901.625,148041.98438,3.9,199-F5-6,Strontium-90,2011,TU,GROUNDWATER WELL,R,1,0,3.9
581375.875,147564.51563,2.1,199-F6-1,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,0,2.1
579687.1875,147022.4375,0,199-F7-1,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
580060.0625,147770.40625,0,199-F7-2,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
579884.6875,147112.53125,0,199-F7-3,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
580373.875,147468.46875,0,199-F8-2,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
580254,147253.375,0,199-F8-3,Strontium-90,2011,TU,GROUNDWATER WELL,R,1,1,0
580958.5,147123.53125,0,199-F8-4,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
580242.9375,147116.73438,7.7,199-F8-7,Strontium-90,2012,NA,GROUNDWATER WELL,R,1,0,7.7
REM 581118.756,148037.975,0,64-D,Strontium-90,2012,TU,AQUIFER TUBE,R,1,1,0
REM 581118.756,148037.975,0,64-M,Strontium-90,2012,TU,AQUIFER TUBE,R,1,1,0
581118.756,148037.975,1.2,64-S,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,1.2
580115.0625,141901.98438,0,699-60-32,Strontium-90,2010,UU,GROUNDWATER WELL,R,3,3,0
582315.5,142798,0,699-63-25A,Strontium-90,2010,U,GROUNDWATER WELL,R,3,3,0
580603.375,145226.90625,0,699-71-30,Strontium-90,2010,UU,GROUNDWATER WELL,R,3,3,0
576393.125,146098.78125,0,699-74-44,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
578847.1875,146868.9375,0,699-77-36,Strontium-90,2010,TU,GROUNDWATER WELL,R,3,3,0
REM 581378.6875,147707.32813,1.2,AT-F-1-D,Strontium-90,2012,TU,AQUIFER TUBE,R,2,1,1.2
REM 581378.375,147708.40625,1.6,AT-F-1-M,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,1.6
581377.9375,147709.39063,2.7,AT-F-1-S,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,2.7
580940,148180.15625,5,C6302,Strontium-90,2012,TU,AQUIFER TUBE,R,2,0,5
REM 580942.3125,148180.04688,1.4,C6303,Strontium-90,2012,TU,AQUIFER TUBE,R,2,1,1.4
REM 581252.25,147922.65625,2.1,C6305,Strontium-90,2012,TU,AQUIFER TUBE,R,2,1,2.1
581251.375,147924,9.6,C6306,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,9.6
REM 581250.5625,147926.3125,0,C6307,Strontium-90,2012,TU,AQUIFER TUBE,R,1,1,0
581296.375,147871.20313,2.7,C6308,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,2.7
REM 581294.0625,147874.10938,2.7,C6309,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,2.7
581333,147821.26563,3.5,C6311,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,3.5
REM 581331.1875,147823.5625,2,C6312,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,2
REM 581354.6875,147760.53125,2.5,C6314,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,2.5
REM 581354.5,147761.40625,0,C6315,Strontium-90,2012,TU,AQUIFER TUBE,R,1,1,0
581354.75,147759.40625,3.6,C6316,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,3.6
580158.5625,147192.84375,8.51,C7971,Strontium-90,2011,NA,BORING,C,2,0,8.51
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.01  70.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1000.0 1000.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
0.95   1.50   2.50
TRANSFORM MIK BACKTRAN
5 3
      1    2     5   10  50
0.9  0.9 0.1 0.1   .5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
580011.0625,148805.29688,0,199-F1-2,Trichloroethene,2010,TU,GROUNDWATER WELL,R,3,3,0
581250.125,147736.85938,0,199-F5-1,Trichloroethene,2010,TU,GROUNDWATER WELL,R,3,3,0
580583.1875,147533.73438,0,199-F5-4,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,1,0
581285.5,147834.8125,0,199-F5-42,Trichloroethene,2010,TU,GROUNDWATER WELL,R,3,3,0
581183.875,147948.0625,0,199-F5-43A,Trichloroethene,2010,TU,GROUNDWATER WELL,R,3,3,0
581060.875,148043.20313,0,199-F5-44,Trichloroethene,2010,TU,GROUNDWATER WELL,R,3,3,0
580706.875,147683.92188,4.5,199-F5-45,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,0,4.5
580841.3125,147781.51563,0,199-F5-46,Trichloroethene,2011,TU,GROUNDWATER WELL,R,1,1,0
580517.5625,147690.09375,5.1,199-F5-48,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,0,5.1
580672.8125,148143.8125,0,199-F5-52,Trichloroethene,2011,TU,GROUNDWATER WELL,R,4,4,0
581145.5,147576.4375,0,199-F5-54,Trichloroethene,2011,TU,GROUNDWATER WELL,R,4,4,0
581076.125,147797.5625,0,199-F5-55,Trichloroethene,2012,NA,GROUNDWATER WELL,R,1,1,0
580440.625,147556.35938,1.8,199-F5-56,Trichloroethene,2012,NA,GROUNDWATER WELL,R,1,0,1.8
580901.625,148041.98438,0.0833333333333333,199-F5-6,Trichloroethene,2010,TU,GROUNDWATER WELL,R,3,2,0.25
581375.875,147564.51563,0,199-F6-1,Trichloroethene,2010,TU,GROUNDWATER WELL,R,3,3,0
579687.1875,147022.4375,10,199-F7-1,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,0,10
580060.0625,147770.40625,3.8,199-F7-2,Trichloroethene,2011,TU,GROUNDWATER WELL,R,1,0,3.8
579884.6875,147112.53125,5.7,199-F7-3,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,0,5.7
580373.875,147468.46875,0,199-F8-2,Trichloroethene,2010,TU,GROUNDWATER WELL,R,3,3,0
580254,147253.375,0,199-F8-3,Trichloroethene,2011,TU,GROUNDWATER WELL,R,1,1,0
580958.5,147123.53125,0.993333333333333,199-F8-4,Trichloroethene,2010,TU,GROUNDWATER WELL,R,3,0,1.3
580242.9375,147116.73438,0,199-F8-7,Trichloroethene,2012,NA,GROUNDWATER WELL,R,1,1,0
580115.0625,141901.98438,0,699-60-32,Trichloroethene,2010,UU,GROUNDWATER WELL,R,3,3,0
582315.5,142798,0,699-63-25A,Trichloroethene,2010,U,GROUNDWATER WELL,R,3,3,0
580603.375,145226.90625,0.836666666666667,699-71-30,Trichloroethene,2010,UU,GROUNDWATER WELL,R,3,0,1.4
576393.125,146098.78125,0,699-74-44,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
578847.1875,146868.9375,12,699-77-36,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,0,12
575492.0625,148705.25,1,699-83-47,Trichloroethene,2011,TU,GROUNDWATER WELL,R,1,0,1
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05      90.    0.0    0.0               \it,cc,ang1,ang2,ang3
     1300.   1000.    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   9
0.99   1.99   2.50   3.50   4.50   5.50   6.50   7.50   8.50
TRANSFORM MIK BACKTRAN
10  3
1     5    10     20     48    100    480   1000   2000   4800
0.9  0.9     0.5  0.1      0.5  0.5     0.5   0.5     0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
572269.875,151241.625,0,C6266,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572270.4375,151242.23438,0,C6267,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572274.1875,151246.1875,0,C6268,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572332.3125,151317.5625,0,C6271,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572335.8125,151323.20313,0,C6269,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572337.125,151324.51563,0,C6270,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572389.0625,151202.14063,0,199-D4-86,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
REM 572411.375,151396.95313,0,DD-44-4,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572412.6875,151394.28125,0,DD-44-3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572450.5,151443.23438,0,DD-43-2,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572450.875,151443.21875,0,DD-43-3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572453.9375,151165.65625,0,199-D3-2,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
572485.3125,151492.5,0,DD-42-2,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572485.75,151492.5625,0,DD-42-3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572486.1875,151324.20313,6.4875,199-D4-85,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,IP,8,0,12
REM 572486.1875,151492.48438,0,DD-42-4,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,3,3,0
572527.375,151377.07813,5.16,199-D4-99,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,10
REM 572529.6875,151540,0,Redox-4-3.0,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572529.6875,151540,0,Redox-4-6.0,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572532.1875,151530.03125,0,DD-41-2,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572532.6875,151530.73438,12.35,DD-41-3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,1,24.7
REM 572532.875,151530.89063,0,DD-41-1,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572559.375,151282.03125,10.55,199-D4-19,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,14
572568.0625,151433.51563,14.6,199-D4-84,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,IP,8,0,21
572574.5,151481.65625,2.5,199-D4-98,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,11,5,9
572583.1875,151603.03125,0,Redox-3-3.3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572583.1875,151603.03125,0,Redox-3-4.6,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,4,4,0
572606.5625,151625.85938,0,DD-39-1,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572606.875,151626.1875,0,DD-39-2,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
572612.8125,151226.70313,26.85,199-D4-95,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,42
572619.5,151351.0625,0,199-D4-62,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
572636.6875,151687.79688,4.65,Redox-2-6.0,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,0,5.5
572671.3125,151537.85938,1.65,199-D4-38,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,14,8,7.1
572672.4375,151592.875,0,199-D4-23,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
572716.3125,151730.8125,0,Redox-1-3.3,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 572716.3125,151730.8125,0,Redox-1-6.0,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,3,3,0
572747.4375,151650.84375,10.2375,199-D4-39,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,IP,8,0,25
572752.875,151558.89063,7.8,199-D4-1,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,1,0,7.8
572777,151519.78125,88.1,199-D4-96,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,211
572787.6875,150994.54688,9.5,199-D3-5,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,3,0,12.1
572788.4375,151539.29688,78.15,199-D4-22,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,84.4
572800.125,151425.9375,63.1666666666667,199-D4-101,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,IP,6,0,69
572839.8125,151641.64063,1.75,199-D4-14,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,3.5
572859.4375,151723.42188,1.13333333333333,199-D4-83,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,9,6,6.2
572906.25,151625.32813,38.21,199-D4-97,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,85
572909.8125,151746.3125,8.7,199-D5-36,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,0,9.8
572943.0625,151521.51563,176.1,199-D5-101,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,220
572992.25,151428.3125,54.4166666666667,199-D5-127,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,6,0,59.7
572996.8125,151545.59375,0,199-D5-38,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
573000.1875,151119.85938,32.6,199-D2-6,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,1,0,32.6
573003.25,151272.01563,32.6,199-D5-40,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,40
573092.25,151916.35938,7.4,199-D5-37,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,7.5
573095,151714.54688,15.3,199-D5-33,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,16.1
573131.9375,152009.8125,9.18,199-D5-92,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,0,23.1
573142.875,151428.42188,922.916666666667,199-D5-39,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,12,0,1672
573180,151269.4375,250,199-D5-43,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,260
573240,152030.15625,29.0909090909091,199-D5-20,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,11,0,36
573240.4375,151554.125,25.55,199-D5-34,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,0,27.1
573250.125,151302.46875,77.5,199-D5-97,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,3,0,91.3
573265.5,151422.4375,5557.33333333333,199-D5-104,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,12,0,7600
573292.3125,152141.26563,59.21,199-D8-88,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,0,132
573300.25,151349.29688,5633.33333333333,199-D5-122,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,6,0,15000
573306.1875,151417.95313,209.742857142857,199-D5-119,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,7,0,291
573328.1875,151120.73438,9.65,199-D2-11,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,10
573349.625,151402.01563,167.166666666667,199-D5-99,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,6,0,335
573350.25,151459.64063,57.125,199-D5-93,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,1,107
573352,151404.82813,354.2,199-D5-144,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,5,0,817
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573369.5625,151272.4375,15.65,199-D5-98,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,18.8
573372.0625,151903.39063,299,199-D5-32,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,0,416
573377.1875,151406.84375,206,199-D5-120,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,215
573388.6875,152167.375,45.5818181818182,199-D8-73,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,11,0,111
573430.25,151399.26563,105.5,199-D5-121,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,106
573434.6875,152060.82813,64.7,199-D8-6,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,64.7
573447.1875,152090.21875,103.65,199-D8-4,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,108
573478.625,152249.65625,14.52,199-D8-89,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,40
573505.875,151460.875,231,199-D5-103,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,232
573537.125,152243.5,9.3,199-D8-5,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,10.3
573611.9375,152160.60938,188.4,199-D8-95,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,317
573667.375,151746.1875,506,199-D5-125,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,528
573684.375,152006.75,956,199-D5-131,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,1160
573701.5,151784.26563,409,199-D5-143,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,464
573705.6875,151843.28125,785,199-D5-126,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,822
573706,152152.23438,454.636363636364,199-D8-96,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,11,0,682
573731.5625,151497.375,29.25,199-D5-133,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,41
573738.625,151673.75,111.95,199-D5-15,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,153
573789.625,151787.98438,211.5,199-D5-14,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,225
573791.875,151563.26563,34.5,199-D5-142,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,3,0,35.7
573824.1875,151639.40625,82.4,199-D5-123,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,83.3
573837.125,152429.39063,20.25,199-D8-71,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,27.6
573843.625,152552.20313,9.29,199-D8-69,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,0,22
573859.5625,152087.42188,447.4,199-D8-97,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,614
573861.6875,151325.1875,25.6,199-D5-18,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,1,0,25.6
573875.375,151586.875,45.35,199-D5-132,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,49.3
573910.1875,152656.21875,24.35,699-96-52B,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,39.9
573917.4375,151652.51563,41.2,199-D5-16,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,45.1
573942.125,152508.73438,12.8333333333333,199-D8-70,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,3,0,18.5
573948.625,152646.23438,22.48,199-D8-90,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,38
574013.125,152123.01563,16.23,199-D8-98,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,38
574036.875,152741.4375,19.9444444444444,199-D8-91,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,9,0,26
574039.1875,151928.51563,103.46,199-D5-130,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,155
574069.4375,152262.4375,13.65,199-D8-101,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,13.7
574151.375,152363.40625,31.07,199-D7-3,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,54
574159.0625,151643.84375,20.55,199-D6-3,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,22.7
574339.3125,153302.70313,0,699-98-51,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
574429.1875,152980.4375,10.25,199-D7-6,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,21
574439.5,152528.59375,23.7,699-95-51,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,24.9
574468.125,153122.09375,5.1,699-97-51A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,10.2
574823.375,153310.15625,1.2,699-98-49A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,2.4
574850.75,153090.29688,11.76,199-H1-5,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,20
574907,152677.71875,16.36,199-H4-82,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,20
575094.125,151795.29688,7.75,699-93-48A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,8.1
575236.9375,153035.35938,22.1777777777778,199-H4-81,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,9,0,29
575239,152568.15625,22.3222222222222,199-H4-80,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,9,0,27
575253.4375,152323.04688,21.65,699-95-48,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,22.9
575726.875,153365.625,43.8,699-98-46,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,46.2
575826.75,153366.875,43.5,199-H1-4,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,IP,2,0,45
576032.375,154124.17188,3.1,699-101-45,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,3,12.4
576037.8125,153745.73438,25.12,199-H1-6,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,32
576257,152556.28125,43.4,699-95-45,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,46.5
576279.625,154069.96875,2.17,199-H1-25,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,2,5
576403.875,154024.20313,2.65,199-H1-27,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,2,8
576451.0625,153378.26563,33.98,199-H1-2,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,46
576458.75,153592.40625,22.2,699-99-44,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,34.3
576487.8125,152975.4375,76.06,199-H4-77,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,87.5
576625.625,152087.90625,39.25,699-94-43,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,42.1
576675.875,154008.65625,0,699-100-43B,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,4,0
576702.3125,153384.48438,19.83,199-H1-1,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,48
576767.0625,153766,5.19,199-H1-32,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,1,23
576787.3125,152976.84375,73.75,199-H4-76,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,8,0,80.5
576833.3125,153716.23438,5.59090909090909,199-H1-33,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,11,1,24
576883.125,153667.0625,3.34,199-H1-34,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,3,11
576885.625,153486.51563,35.44,199-H1-36,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,60
576958.25,153628.14063,2.04,199-H1-35,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,3,9
577106.9375,153641.625,1.5,199-H1-37,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,4,5
577127.1875,153391.65625,10.38,199-H1-42,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,15,0,32
577161,153555.01563,3.17,199-H1-38,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,3,14
577212.375,152704.64063,58.81,199-H4-75,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,0,78.8
577213.75,153384.28125,7.19166666666667,199-H1-43,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,12,1,22
577217.5,153090.375,19.6,699-97-41,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,31.1
577223.0625,152111.6875,12.85,699-94-41,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,13.1
577223.5625,153533.40625,1.59090909090909,199-H1-39,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,11,6,7
577240.9375,153062.40625,5.03333333333333,199-H1-45,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,9,0,13
577279.3125,153500.1875,2.4,199-H1-40,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,13,4,10
577284,153590.73438,0.4,699-99-41,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,6,5,2.4
577454.6875,152287.5,30.75,199-H3-5,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,38.1
577544.3125,152293.20313,9.17,199-H3-4,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,1,26
577562.0625,152363.17188,7.55,199-H3-3,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,11.9
577585.3125,152888.39063,0,199-H4-6,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
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577624.625,152750.0625,0,199-H3-2A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
577629.625,153172.09375,14.15,199-H1-7,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,4,0,20.7
577650.0625,152257.71875,26.75,199-H5-1A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,32.2
577713.8125,152445.15625,11.35,199-H4-49,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,14.6
577771.5625,151737.09375,26.4,199-H6-4,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,1,0,26.4
577792.6875,152620.21875,3.05,199-H4-48,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,6.1
577827.1875,153155.8125,0,199-H4-10,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
577883.875,152439.875,2.75,199-H4-46,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,5.5
577902.5625,152848.73438,45.05,199-H4-84,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,48.2
577904.3125,153053.42188,3.68181818181818,199-H4-15A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,11,3,11
577931.75,152279.96875,1,199-H3-7,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,1,2
577940.5,152858.53125,26.8,199-H4-3,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,44.6
577944.9375,152939.78125,1.5,199-H4-5,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,3
577946.125,153010.57813,0.9,199-H4-64,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,5,4
577981.9375,152591.57813,0,199-H4-16,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
577998.25,152787.28125,4.3,199-H4-65,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,5.9
578003.8125,152646.45313,0.7,199-H4-70,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,4,2
578009.125,152912.73438,0,199-H4-12A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
578014.0625,152686.65625,3.68,199-H4-69,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,10,1,8
578060.875,152853.95313,1.2,199-H4-4,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,5,4
578141.875,152728.4375,1.05,199-H4-11,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,2.1
578156.375,152433.39063,3.3,199-H4-45,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,4.6
578185.8125,152665.53125,4.53,199-H4-63,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,1,13
578219.3125,152595.26563,4.7,199-H4-13,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,6.5
578236.5625,152247.625,8.6,199-H6-1,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,1,0,8.6
578266.5,152425.32813,10.4,199-H3-6,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,3,0,11.8
578340.375,151929.34375,19.7,199-H6-3,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,22.3
REM 573263.625,151208.59375,34.6285714285714,199-D2-8,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,7,0,40
REM 572768.9375,151554.14063,0,199-D4-11,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572665.875,151424.46875,4.5,199-D4-13,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,1,9
572936.625,151424.85938,54.35,199-D4-15,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,60.9
REM 572768.375,151543.96875,60,199-D4-2,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,60
572794.0625,151257.46875,178.5,199-D4-20,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,183
REM 572778.875,151569.79688,0,199-D4-21,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572711.4375,151476.23438,114.271428571429,199-D4-25,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,7,0,244
REM 572712.3125,151488.875,0,199-D4-26,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,4,4,0
REM 572724.25,151493.48438,131.128571428571,199-D4-27,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,7,1,258
REM 572725.0625,151506.07813,10,199-D4-28,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572736.875,151510.6875,0,199-D4-29,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572766.0625,151546.125,40,199-D4-3,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,40
REM 572737.4375,151523.21875,0,199-D4-30,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572749.4375,151528,20.25,199-D4-31,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,20.3
572790.875,151573.75,154,199-D4-32,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,166
REM 572792.625,151585.9375,0,199-D4-33,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572804.625,151590.03125,10,199-D4-34,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572806.3125,151602.28125,470,199-D4-35,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,470
572818.1875,151606.21875,54.65,199-D4-36,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,56.6
REM 572820.3125,151618.57813,100,199-D4-37,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,100
572754.625,151571.60938,10.2,199-D4-4,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,10.2
REM 572832.375,151622.64063,120,199-D4-40,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,120
REM 572834.125,151634.65625,0,199-D4-41,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572847.125,151642.4375,70,199-D4-42,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,70
REM 572849.625,151656.20313,120,199-D4-43,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,120
REM 572868,151671.79688,0,199-D4-45,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572881.3125,151703.45313,4.6,199-D4-48,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,5.6
572740.5625,151556.5,9.8,199-D4-5,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,9.8
REM 572687.3125,151454,0,199-D4-50,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572674.9375,151436.73438,0,199-D4-52,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572657.625,151402.28125,0,199-D4-56,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572645.9375,151397.85938,0,199-D4-57,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572644.8125,151385.35938,0,199-D4-58,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
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572760.875,151551.25,0,199-D4-7,Hexavalent Chromium,2012,UU,GROUNDWATER WELL,R,1,1,0
572511.3125,151218.26563,1.1,199-D4-78,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,1,2.2
REM 572496.875,151202.59375,0,199-D4-80,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572758.1875,151543.3125,10,199-D4-9,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572714.0625,151486.3125,0,199-D4-92,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,6,6,0
REM 572710.375,151491.20313,0,199-D4-93,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,6,6,0
573428.125,151340.23438,16.5,199-D5-102,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,16.5
573503.75,151597.96875,33.1,199-D5-106,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,33.1
REM 573535.5,151955.1875,959,199-D5-13,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,959
REM 573750.6875,151778.8125,380,199-D5-140,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,R,2,0,388
573730.5,151322.82813,19.7,199-D5-17,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,23.4
573849.125,151243.1875,5.8,199-D5-19,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,5.8
572993.5625,151835.73438,1.58,199-D5-44,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
573889.875,152452.26563,35,199-D8-53,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,IP,1,0,35
REM 573781.1875,152408.03125,27.8,199-D8-54A,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,8,0,91
573620.9375,152364.34375,1.58,199-D8-55,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
REM 573711.6875,152427.09375,9.06666666666667,199-D8-68,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,12,3,39
REM 573570.5,152211.78125,438.222222222222,199-D8-72,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,9,0,1005
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577410.375,152978.48438,0.67,199-H3-25,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
REM 578148.5,152657.64063,18,199-H4-1,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,IP,1,0,18
REM 578004.375,152918.46875,6.1,199-H4-12B,Hexavalent Chromium,2011,UU,GROUNDWATER WELL,R,2,0,6.1
REM 577899.625,153059.54688,16.8,199-H4-15B,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,0,17
577804.125,152890.84375,34.7333333333333,199-H4-7,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,6,0,37.3
577860.6875,152921.70313,14.9,199-H4-8,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,16.4
577923.1875,152893.89063,15,199-H4-9,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,17.8
576169.25,151024.53125,4.7,699-90-45,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,4.7
575910.9375,151156.64063,6.5,699-91-46A,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,6.5
576761.4375,152605.3125,68.4,699-96-43,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,4,0,71.1
576859.8125,152981.29688,70.35,699-97-43B,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,73.2
576051.6875,152978.95313,42.6,699-97-45,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,45.1
575247.5625,152909.76563,23.7,699-97-48B,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,25.1
576863.25,153371.375,54.65,699-98-43,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,54.9
REM 577010.25,153761.01563,1.11666666666667,699-99-42B,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,6,5,6.7
574470.875,153465.1875,1.58,199-D2-10,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
573622.375,151237.34375,1.58,199-D5-128,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
573735.5,151465.125,1.58,199-D5-129,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574129.875,151691.70313,1.58,199-D6-1,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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574377.0625,152369.64063,1.58,199-D7-4,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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574006.75,152364.375,1.58,199-D8-99,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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REM 577786.75,152490.40625,26.2,199-H3-11,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,C,6,0,26.2
REM 577628.25,152757.15625,10,199-H3-2B,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,C,3,1,10
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575659.125,151989.3125,0.67,199-H4-79,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
REM 578135.0625,152634.01563,8.26,199-H4-83,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,C,6,0,8.26
REM 573888.9375,152315.26563,39,C7850,Hexavalent Chromium,2011,NA,BORING,C,4,0,39
REM 573701.5,152307.29688,33,C7851,Hexavalent Chromium,2011,NA,BORING,C,4,0,33
REM 573841.625,151608.15625,151,C7855,Hexavalent Chromium,2010,NA,BORING,C,4,0,151
REM 577708.875,152479.39063,0,C7862,Hexavalent Chromium,2010,TU,BORING,C,4,4,0
REM 578090.0625,152428.01563,7.54,C7864,Hexavalent Chromium,2011,NA,BORING,C,4,2,7.54
574343.4375,153300.01563,1.58,199-D2-12,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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574148.6875,153085.79688,1.58,199-D8-93,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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577440.8125,152846.5,0.67,199-H3-26,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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577803.75,152752.35938,0.67,199-H4-14,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
577779.1875,153037.64063,0.67,199-H4-17,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
578018.3125,152756.48438,0.67,199-H4-18,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
578010.625,152581.53125,0.67,199-H4-71,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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577940.5625,152369.98438,0.67,199-H4-73,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577239.0625,152268.82813,0.67,199-H4-74,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577886.5,152194.10938,0.67,199-H6-2,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
573120.625,152146.4375,0,36-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573120.625,152146.4375,0,36-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573471.875,152368.7188,0,38-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577033.125,153810.5313,0,44-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577597.8125,153493.7969,0,45-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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578193.375,152744.4219,0,47-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578193.9375,152743.5313,0,47-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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REM 578465.5,152420.7969,0,48-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578699.75,152232.8594,0,49-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578611.8125,152118.0781,0,50-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578611.8125,152118.1563,0,50-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578779.25,151843.75,0,51-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578779.25,151843.75,0,51-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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REM 578919.5,151586.1719,0,52-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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579033.5,151231.9375,0,54-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 579033.5,151231.9375,0,54-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 579033.5,151231.9375,0,54-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572860.625,151852.0625,0,AT-D-1-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572861.5,151850.4063,0,AT-D-1-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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573105.75,152130.3125,0,AT-D-2-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573108.25,152129.7813,0,AT-D-2-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573233.25,152224.3125,0,AT-D-3-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573234.6875,152224.9688,0,AT-D-3-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573233.6875,152224.6094,0,AT-D-3-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572992.25,152039.5625,0,AT-D-4-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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573934.8125,152850.5938,0,AT-D-5-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573934.6875,152848.2031,0,AT-D-5-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578068.75,152955.0625,0,AT-H-1-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578069.125,152954.3281,0,AT-H-1-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578070.25,152957.4844,0,AT-H-1-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578109.8125,152896.4375,0,AT-H-2-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578142.1875,152853.0781,0,AT-H-3-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578141.8125,152848.9375,0,AT-H-3-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576389.25,154227.6875,0,C5632,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 576390.625,154227.9844,0,C5633,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 576391.4375,154228.9063,0,C5634,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576478.8125,154181.125,0,C5635,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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REM 576483.6875,154178.2969,0,C5637,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576634.0625,154070.375,0,C5638,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576871.5625,153916.625,0,C5641,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
576960.875,153869.3125,0,C5644,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577157.4375,153736.6719,0,C5673,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577157.4375,153736.6719,0,C5674,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577276.25,153656.0625,0,C5676,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577277.3125,153657.1875,0,C5677,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577278.625,153653.5,0,C5678,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577409.6875,153593.4063,0,C5679,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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REM 577407.4375,153594.5781,0,C5681,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577699.8125,153338.7031,0,C5682,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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573337.5,152284.9375,0,C6275,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573534,152428.1875,0,C6278,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
574056.8125,153353.3125,0,C6281,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 574057.5,153353.5938,0,C6282,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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REM 576039.25,154364.3125,0,C6285,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 576037.5,154364.5,0,C6286,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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REM 576783.375,153964.0469,0,C6288,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
577793.5,153266.0156,0,C6290,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 577792.375,153267,0,C6291,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578035.0625,152996.7031,0,C6293,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578314.8125,152574.7969,0,C6296,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578313.25,152575.125,0,C6297,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578585.375,152323.625,0,C6299,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578585.1875,152324.6563,0,C6300,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578583.5625,152323.2656,0,C6301,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572046.3125,150949.9844,0,C6334,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572077,151003.0625,0,C7645,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572077.5,151003.8125,0,C7646,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572076.625,151002.4688,0,C7647,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572077.25,151003.5469,0,C7648,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
578271.1875,152659.9375,0,C7649,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 578271.5625,152659.0156,0,C7650,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573964.5625,153015.375,0,DD-06-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573964.5625,153015.375,0,DD-06-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573818.6875,152683.7031,0,DD-12-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573819.6875,152683.5781,0,DD-12-4,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573700.625,152547.8281,0,DD-15-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573700.625,152547.3125,0,DD-15-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573701.25,152548.2031,0,DD-15-4,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573650.4375,152516.125,0,DD-16-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573651.1875,152517,0,DD-16-4,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
573598,152482.7656,0,DD-17-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 573597.1875,152483.2969,0,DD-17-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572213.6875,151161.5469,0,DD-49-1,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572213.9375,151162.7813,0,DD-49-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572210.8125,151163.2969,0,DD-49-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572211.125,151163.9844,0,DD-49-4,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
572172.1875,151121.1563,0,DD-50-1,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572172.625,151121.5625,0,DD-50-2,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572172.1875,151120,0,DD-50-3,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 572173,151121.1875,0,DD-50-4,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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100H_Chromium_low_matt_MIK.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05      80.    0.0    0.0               \it,cc,ang1,ang2,ang3
     1300.   1000.    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   9
0.99   1.99   2.50   3.50   4.50   5.50   6.50   7.50   8.50
TRANSFORM MIK BACKTRAN
10  3
1     5    10     20     48    100    480   1000   2000   4800
0.9  0.9     0.5  0.1      0.5  0.5     0.5   0.5     0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
572046.3125,150949.98438,3.5,C6334,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,1,7
REM 572076.625,151002.46875,2.5,C7647,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,1,5
572077,151003.0625,3.9,C7645,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.9
REM 572077.25,151003.54688,0,C7648,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572077.5,151003.8125,3.5,C7646,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.5
REM 572172.1875,151120,4.2,DD-50-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.2
REM 572172.1875,151121.15625,0,DD-50-1,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572172.625,151121.5625,0,DD-50-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572173,151121.1875,11.5,DD-50-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,11.5
572210.8125,151163.29688,10,DD-49-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,10
REM 572211.125,151163.98438,0,DD-49-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572213.6875,151161.54688,4.9,DD-49-1,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.9
REM 572213.9375,151162.78125,0,DD-49-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572269.875,151241.625,0,C6266,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572270.4375,151242.23438,3.8,C6267,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.8
REM 572274.1875,151246.1875,0,C6268,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572332.3125,151317.5625,0,C6271,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
572335.8125,151323.20313,0,C6269,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572337.125,151324.51563,0,C6270,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572389.0625,151202.14063,3.5,199-D4-86,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,7
REM 572411.375,151396.95313,0,DD-44-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
572412.6875,151394.28125,0,DD-44-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572450.5,151443.23438,0,DD-43-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572450.875,151443.21875,0,DD-43-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
572453.9375,151165.65625,11.5,199-D3-2,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,12
572485.3125,151492.5,0,DD-42-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572485.75,151492.5625,0,DD-42-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572486.1875,151324.20313,6.66,199-D4-85,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,IP,5,0,8
REM 572486.1875,151492.48438,0,DD-42-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
572511.3125,151218.26563,1.1,199-D4-78,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,2.2
572527.375,151377.07813,4.81428571428571,199-D4-99,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,8.2
REM 572529.6875,151540,0,Redox-4-3.0,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572529.6875,151540,0,Redox-4-6.0,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
REM 572532.1875,151530.03125,0,DD-41-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,4,4,0
REM 572532.6875,151530.73438,0,DD-41-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572532.875,151530.89063,0,DD-41-1,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572559.375,151282.03125,0,199-D4-19,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,2,0
572568.0625,151433.51563,27.12,199-D4-84,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,IP,5,0,31.6
572574.5,151481.65625,18.4142857142857,199-D4-98,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,24
572583.1875,151603.03125,0,Redox-3-3.3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572583.1875,151603.03125,0,Redox-3-4.6,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
572606.5625,151625.85938,0,DD-39-1,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572606.875,151626.1875,0,DD-39-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572612.8125,151226.70313,28.4428571428571,199-D4-95,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,30
572636.6875,151687.79688,10.05,Redox-2-6.0,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,10.2
572665.875,151424.46875,4.5,199-D4-13,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,9
572671.3125,151537.85938,15.9428571428571,199-D4-38,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,0,25
572672.4375,151592.875,1.05,199-D4-23,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,2.1
572716.3125,151730.8125,0,Redox-1-3.3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 572716.3125,151730.8125,0,Redox-1-6.0,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,4,4,0
572733.3125,151577.92188,8.8,199-D4-6,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,1,0,8.8
572740.5625,151556.5,9.8,199-D4-5,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,9.8
572747.4375,151650.84375,113.666666666667,199-D4-39,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,151
572749.4375,151528,20.25,199-D4-31,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,20.3
572752.875,151558.89063,11.1,199-D4-1,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,11.1
572754.625,151571.60938,10.2,199-D4-4,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,10.2
572760.875,151551.25,0,199-D4-7,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,1,1,0
572777,151519.78125,148,199-D4-96,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,168
572787.6875,150994.54688,15.15,199-D3-5,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,15.7
572790.875,151573.75,154,199-D4-32,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,166
572794.0625,151257.46875,178.5,199-D4-20,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,183
572800.125,151425.9375,30.32,199-D4-101,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,IP,5,0,40
572818.1875,151606.21875,54.65,199-D4-36,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,56.6
572839.8125,151641.64063,6.45,199-D4-14,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,7.3
572859.4375,151723.42188,6.88571428571429,199-D4-83,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,0,10
572860.625,151852.0625,0,AT-D-1-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,4,4,0
REM 572861.0625,151850.98438,0,AT-D-1-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
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REM 572861.5,151850.40625,0,AT-D-1-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572881.3125,151703.45313,4.6,199-D4-48,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,5.6
572906.25,151625.32813,48.1,199-D4-97,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,60.3
572909.8125,151746.3125,5.55,199-D5-36,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,11.1
572920.4375,151926.85938,0,C6272,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572936.625,151424.85938,54.35,199-D4-15,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,60.9
572943.0625,151521.51563,126.857142857143,199-D5-101,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,144
572992.25,151428.3125,53.3666666666667,199-D5-127,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,63
572992.25,152039.5625,0,AT-D-4-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
572996.8125,151545.59375,20.1,199-D5-38,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,20.9
573000.1875,151119.85938,20.7,199-D2-6,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,23.8
573003.25,151272.01563,28.4,199-D5-40,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,29.4
573092.25,151916.35938,10.65,199-D5-37,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,12.8
573095,151714.54688,3.2,199-D5-33,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,3.2
573105.75,152130.3125,0,AT-D-2-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573108.25,152129.78125,0,AT-D-2-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573120.625,152146.4375,6.2,36-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,6.2
REM 573120.625,152146.4375,0,36-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573131.9375,152009.8125,15.9,199-D5-92,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,17
573142.875,151428.42188,767.833333333333,199-D5-39,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,935
573180,151269.4375,130,199-D5-43,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,136
573233.25,152224.3125,0,AT-D-3-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573233.6875,152224.60938,0,AT-D-3-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573234.6875,152224.96875,0,AT-D-3-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573240,152030.15625,24.9666666666667,199-D5-20,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,26
573240.4375,151554.125,85.5,199-D5-34,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,85.8
573250.125,151302.46875,46.1,199-D5-97,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,46.1
573265.5,151422.4375,4185.66666666667,199-D5-104,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,4544
573292.3125,152141.26563,90.1833333333333,199-D8-88,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,114
573300.25,151349.29688,1842.66666666667,199-D5-122,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,3970
573306.1875,151417.95313,596.94,199-D5-119,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,1410
573328.1875,151120.73438,14.4,199-D2-11,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,15.9
573337.5,152284.9375,0,C6275,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573349.625,151402.01563,933.333333333333,199-D5-99,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,1990
573350.25,151459.64063,117,199-D5-93,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,132
573352,151404.82813,2860,199-D5-144,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,4,0,6060
573369.5625,151272.4375,18.3,199-D5-98,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,18.3
573372.0625,151903.39063,336.571428571429,199-D5-32,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,0,393
573377.1875,151406.84375,506.05,199-D5-120,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,930
573388.6875,152167.375,66,199-D8-73,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,IP,2,0,75
573428.125,151340.23438,16.5,199-D5-102,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,16.5
573430.25,151399.26563,84.7,199-D5-121,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,93.4
573434.6875,152060.82813,162,199-D8-6,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,177
573447.1875,152090.21875,112,199-D8-4,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,116
573471.875,152368.71875,0,38-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573478.625,152249.65625,59.6,199-D8-89,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,85
573503.75,151597.96875,33.1,199-D5-106,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,33.1
573505.875,151460.875,694,199-D5-103,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,722
573534,152428.1875,0,C6278,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573535.5,151955.1875,959,199-D5-13,Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,959
573537.125,152243.5,21.3,199-D8-5,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,22.9
573597.1875,152483.29688,11.9,DD-17-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,15.9
REM 573598,152482.76563,11.8,DD-17-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,11.8
573611.9375,152160.60938,399.166666666667,199-D8-95,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,553
REM 573650.4375,152516.125,5.1,DD-16-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,5.1
573651.1875,152517,15.5,DD-16-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,15.5
573667.375,151746.1875,379,199-D5-125,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,379
573684.375,152006.75,643,199-D5-131,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,749
573700.625,152547.3125,13.05,DD-15-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,13.3
REM 573700.625,152547.82813,9.7,DD-15-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,9.7
REM 573701.25,152548.20313,9.8,DD-15-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,9.8
573701.5,151784.26563,298.75,199-D5-143,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,4,0,312
573705.6875,151843.28125,540,199-D5-126,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,1,0,540
573706,152152.23438,683,199-D8-96,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,728
573730.5,151322.82813,19.7,199-D5-17,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,23.4
573731.5625,151497.375,15.75,199-D5-133,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,17.1
573738.625,151673.75,29.1,199-D5-15,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,29.6
573789.625,151787.98438,165,199-D5-14,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,168
573791.875,151563.26563,25.75,199-D5-142,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,27.2
REM 573818.6875,152683.70313,0,DD-12-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573819.6875,152683.57813,3.5,DD-12-4,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.5
573824.1875,151639.40625,50.5,199-D5-123,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,1,0,50.5
573837.125,152429.39063,86.1,199-D8-71,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,86.1
573843.625,152552.20313,22.6,199-D8-69,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,25.2
573849.125,151243.1875,5.8,199-D5-19,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,5.8
573859.5625,152087.42188,469,199-D8-97,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,492
573861.6875,151325.1875,23.7,199-D5-18,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,23.7
573875.375,151586.875,45.9,199-D5-132,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,46.3
573910.1875,152656.21875,22,699-96-52B,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,23.5
573917.4375,151652.51563,60.75,199-D5-16,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,63.6
REM 573934.6875,152848.20313,0,AT-D-5-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
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573934.8125,152850.59375,0,AT-D-5-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
573942.125,152508.73438,26.85,199-D8-70,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,29
573948.625,152646.23438,21.3166666666667,199-D8-90,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,24
573964.5625,153015.375,0,DD-06-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573964.5625,153015.375,0,DD-06-3,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
574013.125,152123.01563,36.7166666666667,199-D8-98,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,58
574036.875,152741.4375,25.2666666666667,199-D8-91,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,28
574039.1875,151928.51563,87,199-D5-130,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,94
574056.8125,153353.3125,0,C6281,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 574057.5,153353.59375,0,C6282,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
574069.4375,152262.4375,16.5,199-D8-101,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,18.1
574151.375,152363.40625,43.1,199-D7-3,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,51
574159.0625,151643.84375,13.6,199-D6-3,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,14.6
574339.3125,153302.70313,13.2,699-98-51,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,14.1
574429.1875,152980.4375,16.6,199-D7-6,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,20
574439.5,152528.59375,23.6,699-95-51,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,24.6
574468.125,153122.09375,7.95,699-97-51A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,11.9
574823.375,153310.15625,0,699-98-49A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,1,0
574850.75,153090.29688,14.3166666666667,199-H1-5,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,17
574907,152677.71875,20.95,199-H4-82,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,23
575094.125,151795.29688,9.9,699-93-48A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,9.9
575236.9375,153035.35938,22.1,199-H4-81,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,24
575239,152568.15625,21.9166666666667,199-H4-80,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,24
575247.5625,152909.76563,23.7,699-97-48B,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,25.1
575253.4375,152323.04688,21.3,699-95-48,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,22.8
575726.875,153365.625,39.5,699-98-46,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,41.2
575826.75,153366.875,43.6,199-H1-4,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,4,0,45.7
575910.9375,151156.64063,6.5,699-91-46A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,6.5
576032.375,154124.17188,21.9,699-101-45,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,24.1
576037.5,154364.5,6.5,C6286,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,6.5
576037.8125,153745.73438,21.18,199-H1-6,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,24
REM 576039.25,154364.3125,4.3,C6285,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.3
REM 576042.3125,154363.625,3.9,C6284,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.9
576051.6875,152978.95313,42.6,699-97-45,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,45.1
576163.0625,153372.21875,15.5,199-H1-3,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,1,31
576169.25,151024.53125,4.7,699-90-45,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,4.7
576257,152556.28125,37.25,699-95-45,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,37.6
576279.625,154069.96875,16.9333333333333,199-H1-25,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,34
REM 576389.25,154227.6875,2.1,C5632,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.1
576390.625,154227.98438,7,C5633,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,7
REM 576391.4375,154228.90625,4.7,C5634,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.7
576403.875,154024.20313,21.86,199-H1-27,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,32.9
576451.0625,153378.26563,41.32,199-H1-2,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,44.2
576458.75,153592.40625,26.85,699-99-44,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,27.2
REM 576478.8125,154181.125,0,C5635,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
576481.375,154179.4375,11.2,C5636,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,11.2
REM 576483.6875,154178.29688,7,C5637,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,7
576487.8125,152975.4375,67.15,199-H4-77,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,73
576625.625,152087.90625,43.35,699-94-43,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,43.5
576634.0625,154070.375,8.6,C5638,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,8.6
576675.875,154008.65625,9.5,699-100-43B,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,11.7
576702.3125,153384.48438,33.0333333333333,199-H1-1,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,42
576761.4375,152605.3125,66.25,699-96-43,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,67.3
576767.0625,153766,20.3333333333333,199-H1-32,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,27.6
REM 576781.625,153965.54688,5.9,C6287,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,5.9
576783.375,153964.04688,12.5,C6288,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,12.5
576787.3125,152976.84375,57.2166666666667,199-H4-76,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,65
576833.3125,153716.23438,13.92,199-H1-33,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,16.4
576859.8125,152981.29688,70.35,699-97-43B,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,73.2
576863.25,153371.375,54.65,699-98-43,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,54.9
576871.5625,153916.625,24.7,C5641,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,24.7
576883.125,153667.0625,11.6666666666667,199-H1-34,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,13.2
576885.625,153486.51563,42.4166666666667,199-H1-36,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,48
576958.25,153628.14063,15.4666666666667,199-H1-35,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,18.6
576960.875,153869.3125,6.95,C5644,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,9
577033.125,153810.53125,2.4,44-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.4
577106.9375,153641.625,9.01428571428571,199-H1-37,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,7,0,12.1
577127.1875,153391.65625,21.4833333333333,199-H1-42,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,26.6
REM 577157.4375,153736.67188,5.7,C5673,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,5.7
577157.4375,153736.67188,6.4,C5674,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,8
577161,153555.01563,8.68333333333333,199-H1-38,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,12
577212.375,152704.64063,54.08,199-H4-75,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,58.3
577213.75,153384.28125,20.5,199-H1-43,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,26
577217.5,153090.375,15.525,699-97-41,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,0,15.7
577223.0625,152111.6875,12.9,699-94-41,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,13.1
577223.5625,153533.40625,6.36666666666667,199-H1-39,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,7.7
577240.9375,153062.40625,5.6,199-H1-45,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,4,0,7.9
REM 577276.25,153656.0625,4.3,C5676,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.3
REM 577277.3125,153657.1875,5.05,C5677,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,5.2
577278.625,153653.5,6.6,C5678,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,6.6
577279.3125,153500.1875,4.45,199-H1-40,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,6
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577284,153590.73438,5.9,699-99-41,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,6.2
REM 577407.4375,153594.57813,4.4,C5681,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.4
577409.375,153593.79688,5.5,C5680,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,5.5
REM 577409.6875,153593.40625,2.6,C5679,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.6
577454.6875,152287.5,11.7,199-H3-5,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,11.7
577544.3125,152293.20313,14.48,199-H3-4,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,16.3
577562.0625,152363.17188,14,199-H3-3,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,14
577585.3125,152888.39063,0,199-H4-6,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,2,0
577597.8125,153493.79688,2.65,45-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,1,5.3
REM 577597.8125,153493.79688,0,45-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
REM 577597.8125,153493.79688,0,45-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
577624.625,152750.0625,0,199-H3-2A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,1,0
577629.625,153172.09375,4.8,199-H1-7,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,5.4
577650.0625,152257.71875,20.3,199-H5-1A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,20.3
577699.8125,153338.70313,0,C5682,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
577713.8125,152445.15625,11.2,199-H4-49,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,11.2
577771.5625,151737.09375,24,199-H6-4,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,1,0,24
577792.375,153267,2.1,C6291,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.1
577792.6875,152620.21875,10.6,199-H4-48,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,14.8
REM 577793.5,153266.01563,0,C6290,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
577804.125,152890.84375,34.7333333333333,199-H4-7,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,6,0,37.3
577827.1875,153155.8125,9.2,199-H4-10,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,11
577860.6875,152921.70313,14.9,199-H4-8,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,16.4
577883.875,152439.875,1,199-H4-46,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,2,2
577902.5625,152848.73438,20.875,199-H4-84,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,4,0,24.4
577904.3125,153053.42188,15.1,199-H4-15A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,17
577923.1875,152893.89063,15,199-H4-9,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,17.8
577931.75,152279.96875,0,199-H3-7,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,2,0
577940.5,152858.53125,31.14,199-H4-3,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,65.6
577944.9375,152939.78125,15.3,199-H4-5,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,18.1
577946.125,153010.57813,10.26,199-H4-64,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,13.7
577981.9375,152591.57813,0,199-H4-16,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,1,0
577998.25,152787.28125,2.1,199-H4-65,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,2.1
578003.8125,152646.45313,0,199-H4-70,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,5,0
578009.125,152912.73438,32.35,199-H4-12A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,32.4
578014.0625,152686.65625,3.14,199-H4-69,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,5,0,6.2
578035.0625,152996.70313,0,C6293,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
578060.875,152853.95313,10.96,199-H4-4,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,14.8
REM 578068.75,152955.0625,4.5,AT-H-1-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.5
REM 578069.125,152954.32813,0,AT-H-1-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
578070.25,152957.48438,4.6,AT-H-1-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.6
578109.8125,152896.4375,4.5,AT-H-2-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.5
REM 578141.8125,152848.9375,2.9,AT-H-3-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.9
578141.875,152728.4375,7,199-H4-11,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,7
578142.1875,152853.07813,3.35,AT-H-3-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,4.2
578156.375,152433.39063,1.45,199-H4-45,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,2.9
578185.8125,152665.53125,11.64,199-H4-63,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,17
REM 578193.375,152744.42188,0,47-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
578193.9375,152743.53125,2.6,47-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.6
578219.3125,152595.26563,6.275,199-H4-13,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,0,7.5
578236.5625,152247.625,10.5,199-H6-1,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,10.7
578266.5,152425.32813,4.95,199-H3-6,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,5.2
REM 578271.1875,152659.9375,2.1,C7649,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.1
578271.5625,152659.01563,24.6,C7650,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,24.6
578313.25,152575.125,8.3,C6297,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,8.3
REM 578314.8125,152574.79688,0,C6296,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
578340.375,151929.34375,18.6,199-H6-3,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,1,0,18.6
578465.5,152420.79688,10.3,48-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,10.3
REM 578465.5,152420.79688,10.2,48-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,10.2
578583.5625,152323.26563,9.2,C6301,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,9.2
REM 578585.1875,152324.65625,4.4,C6300,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.4
REM 578585.375,152323.625,0,C6299,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
578611.8125,152118.07813,7.4,50-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,7.4
REM 578611.8125,152118.15625,7.1,50-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,7.1
578699.75,152232.85938,6.4,49-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,6.4
578779.25,151843.75,14.6,51-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,14.6
REM 578779.25,151843.75,6,51-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,6
REM 578779.25,151843.75,2.2,51-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.2
578919.5,151586.17188,0,52-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 578919.5,151586.17188,0,52-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 578919.5,151586.17188,0,52-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
579033.5,151231.9375,0,54-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 579033.5,151231.9375,0,54-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 579033.5,151231.9375,0,54-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 573263.625,151208.59375,34.6285714285714,199-D2-8,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,7,0,40
REM 572768.9375,151554.14063,0,199-D4-11,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572768.375,151543.96875,60,199-D4-2,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,60
REM 572778.875,151569.79688,0,199-D4-21,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572788.4375,151539.29688,289.433333333333,199-D4-22,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,3,0,712
REM 572711.4375,151476.23438,114.271428571429,199-D4-25,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,7,0,244
REM 572712.3125,151488.875,0,199-D4-26,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,4,4,0
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REM 572724.25,151493.48438,131.128571428571,199-D4-27,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,7,1,258
REM 572725.0625,151506.07813,10,199-D4-28,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572736.875,151510.6875,0,199-D4-29,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572766.0625,151546.125,40,199-D4-3,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,40
REM 572737.4375,151523.21875,0,199-D4-30,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572792.625,151585.9375,0,199-D4-33,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572804.625,151590.03125,10,199-D4-34,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572806.3125,151602.28125,470,199-D4-35,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,470
REM 572820.3125,151618.57813,100,199-D4-37,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,100
REM 572832.375,151622.64063,120,199-D4-40,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,120
REM 572834.125,151634.65625,0,199-D4-41,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572847.125,151642.4375,70,199-D4-42,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,70
REM 572849.625,151656.20313,120,199-D4-43,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,120
REM 572868,151671.79688,0,199-D4-45,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572687.3125,151454,0,199-D4-50,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572674.9375,151436.73438,0,199-D4-52,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572657.625,151402.28125,0,199-D4-56,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572645.9375,151397.85938,0,199-D4-57,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572644.8125,151385.35938,0,199-D4-58,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572619.5,151351.0625,10.2,199-D4-62,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,3,2,30.6
REM 572496.875,151202.59375,0,199-D4-80,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572758.1875,151543.3125,10,199-D4-9,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
REM 572714.0625,151486.3125,0,199-D4-92,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,6,6,0
REM 572710.375,151491.20313,0,199-D4-93,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,6,6,0
REM 573750.6875,151778.8125,380,199-D5-140,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,R,2,0,388
572993.5625,151835.73438,1.58,199-D5-44,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
573889.875,152452.26563,35,199-D8-53,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,IP,1,0,35
REM 573781.1875,152408.03125,27.8,199-D8-54A,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,8,0,91
573620.9375,152364.34375,1.58,199-D8-55,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
REM 573711.6875,152427.09375,9.06666666666667,199-D8-68,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,12,3,39
REM 573570.5,152211.78125,438.222222222222,199-D8-72,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,9,0,1005
577410.375,152978.48438,0.67,199-H3-25,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
REM 578148.5,152657.64063,18,199-H4-1,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,IP,1,0,18
REM 578004.375,152918.46875,6.1,199-H4-12B,Hexavalent Chromium,2011,UU,GROUNDWATER WELL,R,2,0,6.1
REM 577899.625,153059.54688,16.8,199-H4-15B,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,0,17
REM 577010.25,153761.01563,1.11666666666667,699-99-42B,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,6,5,6.7
574470.875,153465.1875,1.58,199-D2-10,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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573735.5,151465.125,1.58,199-D5-129,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574129.875,151691.70313,1.58,199-D6-1,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574544.625,151970.20313,1.58,199-D6-2,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574377.0625,152369.64063,1.58,199-D7-4,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574434.3125,152678.71875,1.58,199-D7-5,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574006.75,152364.375,1.58,199-D8-99,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
575706.0625,154183.60938,0.67,199-H1-20,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
575896.8125,154163.79688,0.67,199-H1-21,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
REM 577786.75,152490.40625,26.2,199-H3-11,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,C,6,0,26.2
REM 577628.25,152757.15625,10,199-H3-2B,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,C,3,1,10
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REM 578135.0625,152634.01563,8.26,199-H4-83,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,C,6,0,8.26
REM 573888.9375,152315.26563,39,C7850,Hexavalent Chromium,2011,NA,BORING,C,4,0,39
REM 573701.5,152307.29688,33,C7851,Hexavalent Chromium,2011,NA,BORING,C,4,0,33
REM 573841.625,151608.15625,151,C7855,Hexavalent Chromium,2010,NA,BORING,C,4,0,151
REM 577708.875,152479.39063,0,C7862,Hexavalent Chromium,2010,TU,BORING,C,4,4,0
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574343.4375,153300.01563,1.58,199-D2-12,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
573479.75,151622.67188,1.58,199-D5-42,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
574148.6875,153085.79688,1.58,199-D8-93,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
574047.8125,152949.53125,1.58,199-D8-94,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577440.8125,152846.5,0.67,199-H3-26,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577567.0625,152811.14063,0.67,199-H3-27,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577803.75,152752.35938,0.67,199-H4-14,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
577779.1875,153037.64063,0.67,199-H4-17,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
578018.3125,152756.48438,0.67,199-H4-18,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
578010.625,152581.53125,0.67,199-H4-71,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
578036.25,152500.14063,0.67,199-H4-72,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577940.5625,152369.98438,0.67,199-H4-73,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577239.0625,152268.82813,0.67,199-H4-74,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577886.5,152194.10938,0.67,199-H6-2,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05      90.    0.0    0.0               \it,cc,ang1,ang2,ang3
     1250.   1000.    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   9
0.99   1.99   2.50   3.50   4.50   5.50   6.50   7.50   8.50
TRANSFORM MIK BACKTRAN
9  3
   5     10     20     48    100    500   1000   2000   5000
0.99999 0.99999  0.5  0.5  0.5  0.5  0.5  0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
573328.1875,151120.7344,11.3,199-D2-11,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,5,0,15.9
573000.1875,151119.8594,24.66666667,199-D2-6,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,3,0,32.6
REM 573263.625,151208.5938,34.62857143,199-D2-8,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,7,0,40
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572787.6875,150994.5469,13.42857143,199-D3-5,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,7,0,19.2
572752.875,151558.8906,9.45,199-D4-1,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,11.1
572800.125,151425.9375,49.96666667,199-D4-101,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,IP,12,0,69
REM 572768.9375,151554.1406,0,199-D4-11,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572665.875,151424.4688,4.5,199-D4-13,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,1,9
572839.8125,151641.6406,3.28,199-D4-14,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,5,2,7.3
572936.625,151424.8594,54.35,199-D4-15,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,60.9
572559.375,151282.0313,4.22,199-D4-19,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,5,3,14
REM 572768.375,151543.9688,60,199-D4-2,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,60
572794.0625,151257.4688,178.5,199-D4-20,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,183
REM 572778.875,151569.7969,0,199-D4-21,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572788.4375,151539.2969,289.4333333,199-D4-22,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,3,0,712
572672.4375,151592.875,1.04,199-D4-23,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,5,3,3.1
REM 572711.4375,151476.2344,114.2714286,199-D4-25,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,7,0,244
REM 572712.3125,151488.875,0,199-D4-26,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,4,4,0
REM 572724.25,151493.4844,131.1285714,199-D4-27,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,7,1,258
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REM 572736.875,151510.6875,0,199-D4-29,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572766.0625,151546.125,40,199-D4-3,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,40
REM 572737.4375,151523.2188,0,199-D4-30,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
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REM 572792.625,151585.9375,0,199-D4-33,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572804.625,151590.0313,10,199-D4-34,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,10
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REM 572820.3125,151618.5781,100,199-D4-37,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,100
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572747.4375,151650.8438,79.71666667,199-D4-39,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,18,0,211
572754.625,151571.6094,10.2,199-D4-4,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,10.2
REM 572832.375,151622.6406,120,199-D4-40,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,120
REM 572834.125,151634.6563,0,199-D4-41,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572847.125,151642.4375,70,199-D4-42,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,70
REM 572849.625,151656.2031,120,199-D4-43,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,0,120
REM 572868,151671.7969,0,199-D4-45,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
572881.3125,151703.4531,4.6,199-D4-48,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,5.6
572740.5625,151556.5,9.8,199-D4-5,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,9.8
REM 572687.3125,151454,0,199-D4-50,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
REM 572674.9375,151436.7344,0,199-D4-52,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
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REM 572644.8125,151385.3594,0,199-D4-58,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
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572619.5,151351.0625,10.2,199-D4-62,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,3,2,30.6
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REM 572496.875,151202.5938,0,199-D4-80,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,IP,1,1,0
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REM 572714.0625,151486.3125,0,199-D4-92,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,6,6,0
REM 572710.375,151491.2031,0,199-D4-93,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,6,6,0
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572777,151519.7813,162.4782609,199-D4-96,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,23,0,321
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576625.625,152087.9063,40.88,699-94-43,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,5,0,43.5
576257,152556.2813,42.02,699-95-45,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,5,0,48.8
575253.4375,152323.0469,21.54,699-95-48,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,5,0,22.9
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576859.8125,152981.2969,70.35,699-97-43B,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,73.2
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574339.3125,153302.7031,10.72,699-98-51,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,5,2,27.2
577284,153590.7344,3.488888889,699-99-41,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,9,5,17.2
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576458.75,153592.4063,26.5,699-99-44,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,5,0,34.4
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1    0.02     45.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1000.0 1000.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
0.5   1.5   2.5   3.5
TRANSFORM MIK BACKTRAN
4 3
 45000   100000   250000   450000
0.5 0.5 0.5 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
573328.1875,151120.73438,29300,199-D2-11,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,29300
573000.1875,151119.85938,68850,199-D2-6,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,78400
REM 573263.625,151208.59375,33766.6666666667,199-D2-8,Nitrate,2011,TU,GROUNDWATER WELL,R,3,0,34600
572453.9375,151165.65625,9865,199-D3-2,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,19700
572787.6875,150994.54688,20054,199-D3-5,Nitrate,2012,NA,GROUNDWATER WELL,R,5,0,40900
572752.875,151558.89063,6930,199-D4-1,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,7660
572800.125,151425.9375,36500,199-D4-101,Nitrate,2012,NA,GROUNDWATER WELL,IP,1,0,36500
572665.875,151424.46875,37800,199-D4-13,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,37800
572839.8125,151641.64063,8680,199-D4-14,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,11300
572936.625,151424.85938,37300,199-D4-15,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,37300
572559.375,151282.03125,10367.5,199-D4-19,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,15900
572794.0625,151257.46875,72600,199-D4-20,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,72600
572788.4375,151539.29688,22313.3333333333,199-D4-22,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,48300
572672.4375,151592.875,4307.5,199-D4-23,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,5050
REM 572711.4375,151476.23438,28950,199-D4-25,Nitrate,2010,TU,GROUNDWATER WELL,R,2,0,37300
REM 572712.3125,151488.875,964,199-D4-26,Nitrate,2010,TU,GROUNDWATER WELL,R,2,0,1330
REM 572724.25,151493.48438,32700,199-D4-27,Nitrate,2010,TU,GROUNDWATER WELL,R,2,0,39700
572749.4375,151528,9120,199-D4-31,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,9120
572790.875,151573.75,35800,199-D4-32,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,35800
572818.1875,151606.21875,20000,199-D4-36,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,20000
572671.3125,151537.85938,5251.66666666667,199-D4-38,Nitrate,2012,TU,GROUNDWATER WELL,R,6,0,9030
572747.4375,151650.84375,12501.6666666667,199-D4-39,Nitrate,2012,TU,GROUNDWATER WELL,R,6,0,17400
572754.625,151571.60938,12400,199-D4-4,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,12400
572881.3125,151703.45313,12400,199-D4-48,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,12400
572740.5625,151556.5,3440,199-D4-5,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,3440
572733.3125,151577.92188,10100,199-D4-6,Nitrate,2012,UU,GROUNDWATER WELL,R,1,0,10100
572619.5,151351.0625,7059,199-D4-62,Nitrate,2012,TU,GROUNDWATER WELL,R,3,1,20500
572760.875,151551.25,0,199-D4-7,Nitrate,2012,UU,GROUNDWATER WELL,R,1,1,0
572511.3125,151218.26563,7350,199-D4-78,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,7350
572859.4375,151723.42188,18225,199-D4-83,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,24300
572568.0625,151433.51563,14000,199-D4-84,Nitrate,2012,TU,GROUNDWATER WELL,IP,1,0,14000
572486.1875,151324.20313,9070,199-D4-85,Nitrate,2012,TU,GROUNDWATER WELL,IP,1,0,9070
572389.0625,151202.14063,7912.5,199-D4-86,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,18200
REM 572714.0625,151486.3125,354,199-D4-92,Nitrate,2010,TU,GROUNDWATER WELL,R,2,1,708
REM 572710.375,151491.20313,0,199-D4-93,Nitrate,2010,TU,GROUNDWATER WELL,R,2,2,0
572612.8125,151226.70313,20500,199-D4-95,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,26200
572777,151519.78125,26166.6666666667,199-D4-96,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,28700
572906.25,151625.32813,25000,199-D4-97,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,25200
572574.5,151481.65625,12590,199-D4-98,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,16000
572527.375,151377.07813,6936.66666666667,199-D4-99,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,8100
572943.0625,151521.51563,34066.6666666667,199-D5-101,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,36300
573428.125,151340.23438,32000,199-D5-102,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,32900
573505.875,151460.875,55100,199-D5-103,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,57100
573265.5,151422.4375,43433.3333333333,199-D5-104,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,44200
573503.75,151597.96875,27600,199-D5-106,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,27600
573306.1875,151417.95313,43280,199-D5-119,Nitrate,2012,TU,GROUNDWATER WELL,R,5,0,51400
573377.1875,151406.84375,38200,199-D5-120,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,38200
573430.25,151399.26563,66800,199-D5-121,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,66800
573300.25,151349.29688,49100,199-D5-122,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,49100
572992.25,151428.3125,40066.6666666667,199-D5-127,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,46900
573535.5,151955.1875,66400,199-D5-13,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,66400
574039.1875,151928.51563,60333.3333333333,199-D5-130,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,69900
573684.375,152006.75,48966.6666666667,199-D5-131,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,54400
573875.375,151586.875,56550,199-D5-132,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,61500
573731.5625,151497.375,25375,199-D5-133,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,30700
573789.625,151787.98438,43600,199-D5-14,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,43600
REM 573750.6875,151778.8125,77000,199-D5-140,Nitrate,2011,NA,GROUNDWATER WELL,R,1,0,77000
573791.875,151563.26563,41166.6666666667,199-D5-142,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,45200
573701.5,151784.26563,39233.3333333333,199-D5-143,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,44300
573352,151404.82813,39050,199-D5-144,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,44700
573738.625,151673.75,28100,199-D5-15,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,28100
573917.4375,151652.51563,56700,199-D5-16,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,56700
573730.5,151322.82813,41600,199-D5-17,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,41600
573861.6875,151325.1875,33350,199-D5-18,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,39100
REM 573849.125,151243.1875,56650,199-D5-19,Nitrate,2010,TU,GROUNDWATER WELL,R,2,0,58900
573240,152030.15625,27150,199-D5-20,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,28000
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573095,151714.54688,22557.5,199-D5-33,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,28600
573240.4375,151554.125,35600,199-D5-34,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,42300
572909.8125,151746.3125,34075,199-D5-36,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,36500
573092.25,151916.35938,27325,199-D5-37,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,28600
572996.8125,151545.59375,17325,199-D5-38,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,20200
573142.875,151428.42188,39633.3333333333,199-D5-39,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,42800
573003.25,151272.01563,51150,199-D5-40,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,56700
573180,151269.4375,32833.3333333333,199-D5-43,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,34100
572993.5625,151835.73438,27433.33,199-D5-44,Nitrate,2012,TU,GROUNDWATER WELL,NN,1,0,NA
573131.9375,152009.8125,27433.3333333333,199-D5-92,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,28200
573350.25,151459.64063,42075,199-D5-93,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,46500
573250.125,151302.46875,36650,199-D5-97,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,38500
573369.5625,151272.4375,31566.6666666667,199-D5-98,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,35900
573349.625,151402.01563,38000,199-D5-99,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,39500
574159.0625,151643.84375,28650,199-D6-3,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,33400
574151.375,152363.40625,36166.6666666667,199-D7-3,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,42000
574429.1875,152980.4375,23900,199-D7-6,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,28700
574069.4375,152262.4375,48750,199-D8-101,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,63700
573447.1875,152090.21875,39400,199-D8-4,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,39400
573537.125,152243.5,4960,199-D8-5,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,4960
573620.9375,152364.34375,27433.33,199-D8-55,Nitrate,2012,TU,GROUNDWATER WELL,NN,1,0,NA
573434.6875,152060.82813,29433.3333333333,199-D8-6,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,37500
REM 573711.6875,152427.09375,1910,199-D8-68,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,1910
573843.625,152552.20313,26750,199-D8-69,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,31400
573942.125,152508.73438,23500,199-D8-70,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,28100
REM 573837.125,152429.39063,47666.6666666667,199-D8-71,Nitrate,2010,TU,GROUNDWATER WELL,R,3,0,52200
REM 573570.5,152211.78125,21800,199-D8-72,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,21800
573388.6875,152167.375,24800,199-D8-73,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,24800
573292.3125,152141.26563,25166.6666666667,199-D8-88,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,26200
573478.625,152249.65625,18366.6666666667,199-D8-89,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,22000
573948.625,152646.23438,17300,199-D8-90,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,21000
574036.875,152741.4375,14166.6666666667,199-D8-91,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,16100
573611.9375,152160.60938,41225,199-D8-95,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,41900
573706,152152.23438,44800,199-D8-96,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,45600
573859.5625,152087.42188,65533.3333333333,199-D8-97,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,66400
574013.125,152123.01563,36333.3333333333,199-D8-98,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,43900
576702.3125,153384.48438,18100,199-H1-1,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,18300
576451.0625,153378.26563,21833.3333333333,199-H1-2,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,22600
576279.625,154069.96875,12300,199-H1-25,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,13400
576403.875,154024.20313,12350,199-H1-27,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,12500
576163.0625,153372.21875,0,199-H1-3,Nitrate,2012,NA,GROUNDWATER WELL,R,1,1,0
576767.0625,153766,14150,199-H1-32,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,15700
576833.3125,153716.23438,10700,199-H1-33,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,10900
576883.125,153667.0625,9010,199-H1-34,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,9210
576958.25,153628.14063,10250,199-H1-35,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,10400
576885.625,153486.51563,20950,199-H1-36,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,21200
577106.9375,153641.625,7010,199-H1-37,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,7350
577161,153555.01563,7285,199-H1-38,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,7530
577223.5625,153533.40625,8763.33333333333,199-H1-39,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,13100
575826.75,153366.875,26200,199-H1-4,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,31700
577279.3125,153500.1875,10750,199-H1-40,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,11200
577127.1875,153391.65625,14400,199-H1-42,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,15400
577213.75,153384.28125,14600,199-H1-43,Nitrate,2012,NA,GROUNDWATER WELL,R,1,0,14600
577240.9375,153062.40625,15300,199-H1-45,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,16600
574850.75,153090.29688,18333.3333333333,199-H1-5,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,20600
576037.8125,153745.73438,16033.3333333333,199-H1-6,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,17600
577629.625,153172.09375,14000,199-H1-7,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,15900
577410.375,152978.48438,14050,199-H3-25,Nitrate,2012,NA,GROUNDWATER WELL,NN,1,0,NA
577624.625,152750.0625,16900,199-H3-2A,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,16900
577562.0625,152363.17188,29800,199-H3-3,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,29800
577544.3125,152293.20313,27333.3333333333,199-H3-4,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,30200
577454.6875,152287.5,20000,199-H3-5,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,20000
578266.5,152425.32813,28625,199-H3-6,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,33100
577931.75,152279.96875,28950,199-H3-7,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,47800
577827.1875,153155.8125,5310,199-H4-10,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,5310
578141.875,152728.4375,19100,199-H4-11,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,19700
578009.125,152912.73438,30495,199-H4-12A,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,58900
REM 578004.375,152918.46875,26400,199-H4-12B,Nitrate,2010,UU,GROUNDWATER WELL,C,1,0,26400
578219.3125,152595.26563,14186,199-H4-13,Nitrate,2012,TU,GROUNDWATER WELL,R,5,0,24300
577904.3125,153053.42188,7442.5,199-H4-15A,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,13100
REM 577899.625,153059.54688,23800,199-H4-15B,Nitrate,2010,TU,GROUNDWATER WELL,C,1,0,23800
577981.9375,152591.57813,13500,199-H4-16,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,13500
577940.5,152858.53125,55233.3333333333,199-H4-3,Nitrate,2012,TU,GROUNDWATER WELL,R,6,0,74400
578060.875,152853.95313,21573.3333333333,199-H4-4,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,33500
578156.375,152433.39063,16600,199-H4-45,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,16600
577883.875,152439.875,30100,199-H4-46,Nitrate,2012,TU,GROUNDWATER WELL,R,5,0,31900
577792.6875,152620.21875,19400,199-H4-48,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,21300
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577585.3125,152888.39063,13400,199-H4-6,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,13400
578185.8125,152665.53125,13150,199-H4-63,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,14700
577946.125,153010.57813,10400,199-H4-64,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,10500
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REM 577998.25,152787.28125,25000,199-H4-65,Nitrate,2010,TU,GROUNDWATER WELL,C,1,0,25000
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577804.125,152890.84375,19050,199-H4-7,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,19200
578003.8125,152646.45313,16550,199-H4-70,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,16700
577212.375,152704.64063,30850,199-H4-75,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,30900
576787.3125,152976.84375,22000,199-H4-76,Nitrate,2012,NA,GROUNDWATER WELL,R,2,0,22400
576487.8125,152975.4375,19400,199-H4-77,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,21600
577860.6875,152921.70313,18800,199-H4-8,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,18800
575239,152568.15625,15666.6666666667,199-H4-80,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,16900
575236.9375,153035.35938,19300,199-H4-81,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,21800
574907,152677.71875,22733.3333333333,199-H4-82,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,26900
577902.5625,152848.73438,72916.6666666667,199-H4-84,Nitrate,2012,NA,GROUNDWATER WELL,R,6,0,135000
577923.1875,152893.89063,46000,199-H4-9,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,46000
577650.0625,152257.71875,35700,199-H5-1A,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,35700
578236.5625,152247.625,37400,199-H6-1,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,41600
578340.375,151929.34375,45166.6666666667,199-H6-3,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,46000
577771.5625,151737.09375,28000,199-H6-4,Nitrate,2012,NA,GROUNDWATER WELL,R,3,0,33600
573120.625,152146.4375,2500,36-M,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,2500
573471.875,152368.71875,0,38-M,Nitrate,2012,TU,AQUIFER TUBE,R,1,1,0
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.02  100.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     600.0 300.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   2
0.5   1.5
TRANSFORM MIK BACKTRAN
2 3
 8   80
0.5 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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576833.3125,153716.23438,0,199-H1-33,Strontium-90,2012,NA,GROUNDWATER WELL,R,2,2,0
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REM 573701.25,152548.20313,2.8,DD-15-4,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,2.8
REM 573650.4375,152516.125,2.4,DD-16-3,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,2.4
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REM 573598,152482.76563,2.4,DD-17-2,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,2.4
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577886.5,152194.10938,1.66,199-H6-2,Strontium-90,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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100HR3_Tritium_Ave_Matt_MIK.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05       0.    0.0    0.0               \it,cc,ang1,ang2,ang3
    1000.    1000.    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   2
0.95   1.50
TRANSFORM MIK BACKTRAN
2 3
10000   20000
0.95  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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573000.1875,151119.85938,2300,199-D2-6,Tritium,2011,TU,GROUNDWATER WELL,R,1,0,2300
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572671.3125,151537.85938,1200,199-D4-38,Tritium,2012,TU,GROUNDWATER WELL,IP,1,0,1200
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05  315.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     700.0 280.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   5
0.99   1.50   2.50   3.50   4.50
TRANSFORM RNK BACKTRAN
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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568636,146614,3761.82,C14 2-West,Carbon-14,SoftData,NA,Type 3,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05   345.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1120.0 650.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   9
   5     10     20     48    100    500   1000   2000   5000
TRANSFORM MIK BACKTRAN
8 3
  1     2    10    20    48    100  480  200000
0.5 0.5 0.99 0.5 0.5 0.5 0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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REM 569031.875,147394.2031,0,19-M,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
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REM 568920.875,147277.7344,5.6,C6246,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,5.6
568921.6875,147276.1563,12.4,C6247,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,12.4
REM 569313.25,147687.0469,3,C6248,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,3
569309.5625,147688.2969,6.4,C6249,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,6.4
REM 569315,147686.2031,5.6,C6250,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,5,2,5.6
REM 569467.1875,147888.0469,2,C6251,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,2
569475.5625,147898.5,17.6,C6252,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,17.6
REM 569464.25,147897.1563,12.2,C6253,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,12.2
REM 569713.125,148159.9375,0,C6254,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 569709.375,148158.5469,9.7,C6255,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,9.7
569711.5,148158.5938,19.6,C6256,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,3,0,19.6
569853.375,148265.875,0,C6257,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 569851.375,148265.2188,0,C6258,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 569850.5,148271.3125,0,C6259,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 570214.875,148608.8438,0,C6260,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
570209.6875,148618.5,2.5,C6261,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,1,2.5
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REM 570887.3125,149364.4219,3.8,C6263,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,4,3,3.8
REM 570887.1875,149363.5938,3,C6264,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,4,3,3
570886.3125,149365.4375,4.9,C6265,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,4,3,4.9
571025.3125,149554.5625,0,C6317,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 571026.8125,149554.7969,0,C6318,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 571023.875,149554.4063,0,C6319,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
571128.6875,149677.9844,0,C6320,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 571128.6875,149677.4531,0,C6321,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
REM 571127,149679.6875,0,C6322,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
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571741.375,150541.1094,5.8,C6328,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,0,5.8
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568489.1875,146934.3125,14,C7641,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,12,8,14
REM 568490.6875,146936.4219,1.34,C7642,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,15,11,1.34
REM 568494.1875,146939.5,1.38,C7643,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,18,13,1.38
571346.9375,149981.8125,0,C7881,Chromium,2012,NA,AQUIFER TUBE,R,2,2,0
571048.25,149577.5,7.3,C7934,Chromium,2012,TU,AQUIFER TUBE,R,4,2,7.3
REM 571047.75,149576.9844,0,C7935,Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 571047.625,149576.4844,5.8,C7936,Chromium,2012,TU,AQUIFER TUBE,R,2,1,5.8
REM 571081.9375,149621.3438,0,C7937,Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
REM 571082,149621.9219,0,C7938,Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
571081.6875,149621.3438,5.6,C7939,Chromium,2012,TU,AQUIFER TUBE,R,2,1,5.6
570452,148876,0,DK-04-2,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,2,2,0
571169,149776,0,N116mArray-0A,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
571452,150158.6563,0,N116mArray-10A,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
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571512,150219.1563,0,N116mArray-12A,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
571632,150391,0,N116mArray-15A,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
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571259.6875,149888.375,0,N116mArray-2A,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
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571292.5,149925.2344,0,N116mArray-4A,Chromium,2012,TU,AQUIFER TUBE,R,4,4,0
571404.5625,150074.5469,0,N116mArray-8.5A,Chromium,2012,TU,AQUIFER TUBE,R,1,1,0
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571313.3125,149944.5625,0,NVP2-116.0,Chromium,2012,TU,AQUIFER TUBE,R,6,6,0
570017.1875,147418.2656,2.6,199-K-121A,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
569975.0625,147172.8594,2.6,199-K-122A,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
569931.125,147090.25,2.6,199-K-123A,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
570009.5625,147257.5156,2.6,199-K-128,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
570934.4375,148088.2813,2.4,199-K-143,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
569674,147270.9063,2.4,199-K-156,Hexavalent Chromium,2012,U,GROUNDWATER WELL,NN,1,0,NA
568627.4375,146164.4063,0,199-K-158,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
570911.75,149159.6094,2.4,199-K-159,Hexavalent Chromium,2012,UU,GROUNDWATER WELL,NN,1,0,NA
570919.5625,149116.0156,2.4,199-K-160,Hexavalent Chromium,2012,UU,GROUNDWATER WELL,NN,1,0,NA
571202.25,148903.7344,2.4,199-K-164,Hexavalent Chromium,2012,UU,GROUNDWATER WELL,NN,1,0,NA
569989,147554.9844,2.4,199-K-169,Hexavalent Chromium,2012,U,GROUNDWATER WELL,NN,1,0,NA
570009,147491.375,2.4,199-K-170,Hexavalent Chromium,2012,U,GROUNDWATER WELL,NN,1,0,NA
570871.6875,147166.375,2.4,199-K-172,Hexavalent Chromium,2012,U,GROUNDWATER WELL,NN,1,0,NA
568915.375,146222.4688,0,199-K-174,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
568882.75,146008.8438,0,199-K-175,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
569847.25,147481.9219,2.6,199-K-179,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05   345.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1170.0 650.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   9
   5     10     20     48    100    500   1000   2000   5000
TRANSFORM MIK BACKTRAN
8 3
  1     2    10    20    48    100  480  200000
0.5 0.5 0.99 0.5 0.5 0.5 0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
568177.5625,146591.10938,2.58,199-K-31,Chromium,HighRS,UU,GROUNDWATER WELL,R,1,0,2.58
568302.25,146439.70313,7.615,199-K-183,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,6,0,9.91
568395.25,146616.64063,14.0125,199-K-138,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,8,0,17
568433.3125,146639.26563,23.3733333333333,199-K-196,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,15,0,26.8
568489.1875,146934.3125,2.45866666666667,C7641,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,6,4,14
REM 568490.6875,146936.42188,0.413333333333333,C7642,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,3,2,1.24
568493.0625,146493.65625,5.55,199-K-140,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,11.1
REM 568494.1875,146939.5,0.307333333333333,C7643,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,6,4,0.954
568495.125,146670.8125,19.7875,199-K-132,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,8,0,23
568544.375,146513.625,27.9785714285714,199-K-168,Hexavalent Chromium,HighRS,UU,GROUNDWATER WELL,R,14,0,35
568551.375,146518.39063,13.975,199-K-139,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,8,0,19
568574.9375,146726.17188,4.87625,199-K-185,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,8,0,6.1
568579.9375,146468.8125,11.7,199-K-107A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,14.6
568592,146978.84375,4.35,C6241,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,0,5.8
568594.5625,146342.96875,9.97142857142857,199-K-166,Hexavalent Chromium,HighRS,UU,GROUNDWATER WELL,R,14,1,18
568605.75,146501.9375,23.225,199-K-34,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,0,25.2
568618.6875,146366.3125,22.35,199-K-184,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,8,0,37.3
568653.375,146374.51563,30.9875,199-K-137,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,8,0,39
568674.0625,146266.875,113.46,199-K-173,Hexavalent Chromium,HighRS,UU,GROUNDWATER WELL,R,5,0,192
568674.9375,146342.42188,85.4625,199-K-165,Hexavalent Chromium,HighRS,U,GROUNDWATER WELL,R,8,0,105
568687.1875,146396.14063,3.64363636363636,199-K-108A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,11,2,7.3
568697.375,146502.39063,1.32,199-K-106A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,2,3.03
568835.25,146873.26563,15.1666666666667,199-K-190,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,6,0,18
568849.75,146892.8125,14.45,199-K-181,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,2,0,14.8
568938,146617.75,7.35,199-K-11,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,14.7
568963,146954.4375,21.9727272727273,199-K-178,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,11,0,24
569024.125,147006.6875,15.2214285714286,199-K-32A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,14,0,28.9
569024.25,146818.48438,24.3692307692308,199-K-141,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,13,0,27.3
569037.75,146682.125,5.34,199-K-13,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,5,3,17.5
569081.875,146635.79688,103.2,199-K-23,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,3,0,115
569104.25,146870.9375,0.795,199-K-142,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,1.59
569150.25,146809.6875,30.2875,199-K-189,Hexavalent Chromium,HighRS,U,GROUNDWATER WELL,R,8,0,37.9
569163.3125,147265.95313,30.99,199-K-144,Hexavalent Chromium,HighRS,U,GROUNDWATER WELL,R,10,0,37
569209.625,146625.35938,23.275,199-K-186,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,8,0,25.2
569230,146677.90625,10.35,199-K-110A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,15.4
569284.625,147425.65625,18.3625,199-K-145,Hexavalent Chromium,HighRS,U,GROUNDWATER WELL,R,8,1,26.3
569304.1875,147551.85938,14,199-K-198,Chromium,HighRS,NA,GROUNDWATER WELL,R,3,0,18.4
569308.1875,146968.875,160.3,199-K-111A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,10,0,175
569315,147686.20313,1.83333333333333,C6250,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,3,2,5.5
569339.75,147585.29688,20.7333333333333,199-K-199,Chromium,HighRS,NA,GROUNDWATER WELL,R,3,0,24.5
569340,147459.96875,3.665,199-K-162,Hexavalent Chromium,HighRS,U,GROUNDWATER WELL,R,10,1,6
569348.75,147528.76563,14.6,199-K-197,Chromium,HighRS,NA,GROUNDWATER WELL,R,4,0,34.3
569353.6875,147400.8125,30.1875,199-K-18,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,8,0,34.6
569373.625,146390.46875,164,199-K-36,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,0,197
569399.625,147518.48438,6.2925,199-K-120A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,8,0,9
569426.125,147253.54688,17.3,199-K-200,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,6,0,18.6
569432.1875,147167.9375,9.125,199-K-157,Hexavalent Chromium,HighRS,U,GROUNDWATER WELL,R,8,1,15.6
569458.5,147386.64063,8.315,199-K-19,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,9
569499,146054.6875,5.9,199-K-187,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,6,1,11.5
569520.5,147687.23438,1.3675,199-K-20,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,8,5,4.09
569539.25,147539,5.3625,199-K-127,Hexavalent Chromium,HighRS,U,GROUNDWATER WELL,R,8,0,9
569661.8125,147649.6875,2.205,199-K-119A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,4.41
569702.5625,147976.98438,0.993,199-K-117A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,6,3,3.16
569711.1875,146886.65625,6.84166666666667,199-K-191,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,6,0,8.62
569712.875,147866,5.585,199-K-125A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,5.8
569769.875,147932.0625,17.5,199-K-21,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,1,0,17.5
569867.9375,146991.67188,10.75,199-K-124A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,12.1
569871.125,147960.5,6.99625,199-K-116A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,8,0,11
569940,148135.42188,4.70625,199-K-115A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,8,0,12
570004.625,148202.29688,1.97714285714286,199-K-161,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,7,1,4
570020.3125,148280.54688,1.65,199-K-114A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,8,1,5
570023.6875,148097.375,64.1,199-K-22,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,1,0,64.1
570092.125,148069.125,117.5,199-K-201,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,0,131
570098.0625,148294.45313,1.94775,199-K-113A,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,8,3,6
570197.625,148379.78125,4.14285714285714,199-K-146,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,7,0,6
570216.1875,148226.54688,29.55,199-K-37,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,0,30.4
570230.6875,147947.9375,26.2428571428571,199-K-163,Hexavalent Chromium,HighRS,UU,GROUNDWATER WELL,R,7,0,30.6
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570479,148661.1875,17.4,199-K-130,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,5,0,18.4
570530.0625,148210.07813,23.2,199-K-153,Hexavalent Chromium,HighRS,UU,GROUNDWATER WELL,R,7,0,25.5
570544,147187.85938,38.5428571428571,199-K-171,Hexavalent Chromium,HighRS,U,GROUNDWATER WELL,R,7,0,42.4
570549,148494.98438,0,199-K-136,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
570560.0625,148536.26563,0,199-K-133,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
570574.75,148509.64063,12.65,199-K-126,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,13
570584.75,148767.85938,16.2428571428571,199-K-148,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,7,0,22
570589.3125,148484.09375,0,199-K-135,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,2,0
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570642,146969.57813,21.0666666666667,199-K-193,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,6,0,25
570662,148903.84375,11.2,199-K-131,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,7,0,15
570725,149148,0.9,26-D,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,3,2,2.7
REM 570725,149148,0,26-M,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
REM 570725,149148,0,26-S,Hexavalent Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
570736.25,148585.89063,56.5,199-K-152,Hexavalent Chromium,HighRS,UU,GROUNDWATER WELL,R,8,0,71.2
570778.25,148970.73438,75,199-K-149,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,150
570941.3125,148686.4375,5.39333333333333,199-K-151,Hexavalent Chromium,HighRS,UU,GROUNDWATER WELL,R,3,1,8.6
571193,149759.67188,0,199-N-173,Chromium,HighRS,NA,GROUNDWATER WELL,R,2,2,0
571209.0625,149702.45313,0,199-N-19,Chromium,HighRS,TU,GROUNDWATER WELL,R,1,1,0
571213.5,149800.76563,0,199-N-96A,Chromium,HighRS,TU,GROUNDWATER WELL,R,1,1,0
571261,149155.15625,1.216,199-N-165,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,5,3,3.21
571269.6875,149756.01563,1.036,199-N-183,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,5,3,4.8
571273.375,149911.85938,0,N116mArray-3A,Chromium,HighRS,TU,AQUIFER TUBE,R,3,3,0
571282.875,149889.375,0,199-N-123,Chromium,HighRS,TU,GROUNDWATER WELL,R,1,1,0
571292.5,149925.23438,0,N116mArray-4A,Chromium,HighRS,TU,AQUIFER TUBE,R,2,2,0
571298.8125,149909.73438,0,199-N-146,Chromium,HighRS,TU,GROUNDWATER WELL,R,1,1,0
571313.3125,149944.5625,0,NVP2-116.0,Chromium,HighRS,TU,AQUIFER TUBE,R,3,3,0
571315.625,147281.98438,11.6125,199-K-194,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,8,0,12.9
571318.5,149928.8125,2.65,199-N-122,Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,5.3
571327,149921.34375,3.65,199-N-46,Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,7.3
571338.3125,149946.51563,0,199-N-147,Chromium,HighRS,TU,GROUNDWATER WELL,R,1,1,0
571346.9375,149981.8125,0,C7881,Chromium,HighRS,NA,AQUIFER TUBE,R,2,2,0
571364.5,149968.34375,0,199-N-119,Chromium,HighRS,TU,GROUNDWATER WELL,R,1,1,0
571375.875,149703.5,0,199-N-56,Chromium,HighRS,TU,GROUNDWATER WELL,R,1,1,0
571424.8125,149903.6875,0,199-N-103A,Chromium,HighRS,TU,GROUNDWATER WELL,R,1,1,0
571430.75,149817.8125,3.8925,199-N-184,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,4,1,6.6
571431.625,148430.51563,48.24,199-N-189,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,5,0,50.2
571473.6875,150151.40625,1.85,199-N-99A,Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,3.7
571480.875,149715.0625,3.39916666666667,199-N-186,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,12,2,7.1
571494.1875,149798.95313,6.45,199-N-67,Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,6.5
571512,150219.15625,0,N116mArray-12A,Chromium,HighRS,TU,AQUIFER TUBE,R,1,1,0
571523.5625,150060.71875,0,199-N-75,Chromium,HighRS,TU,GROUNDWATER WELL,R,1,1,0
571546.3125,150237.98438,2.02,199-N-185,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,4,2,5.2
571560.0625,150122.125,4.1,199-N-76,Chromium,HighRS,TU,GROUNDWATER WELL,R,2,1,8.2
571565.875,149897.96875,1.43666666666667,199-N-187,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,9,5,3.8
571588.8125,148982.17188,2.25,199-N-71,Hexavalent Chromium,HighRS,TU,GROUNDWATER WELL,R,4,2,4.77
571713.125,150243.375,0,199-N-14,Chromium,HighRS,TU,GROUNDWATER WELL,R,1,1,0
571737.625,150150.84375,5.45,199-N-106A,Chromium,HighRS,TU,GROUNDWATER WELL,R,2,0,5.8
571906.9375,149581.53125,10.9666666666667,199-N-188,Hexavalent Chromium,HighRS,NA,GROUNDWATER WELL,R,9,0,13.3
572052.625,149659.78125,10.8,199-N-27,Chromium,HighRS,TU,GROUNDWATER WELL,R,1,0,10.8
570278.625,148503.4375,1.85,199-K-112A,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,1,3.7
569703.0625,147865.89063,2.55,199-K-118A,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,1,5.1
570283.625,148503.0625,5,199-K-129,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,IP,1,0,5
570787.6875,149051.9375,1.94083333333333,199-K-150,Hexavalent Chromium,2012,UU,GROUNDWATER WELL,R,12,7,5.88
571116.0625,147449.14063,2.4,199-K-180,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
571185.3125,148350.23438,68.1,199-K-182,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,2,0,69.6
569386.8125,146370.10938,30.25,199-K-188,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,R,2,0,32.6
568850.0625,146086.375,3290,199-K-195,Hexavalent Chromium,2011,NA,GROUNDWATER WELL,R,6,0,3360
569205.0625,146790.125,0,199-K-29,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,3,3,0
569238.125,146780.96875,7.3,199-K-30,Hexavalent Chromium,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
568832.3125,146110.6875,408.714285714286,199-K-35,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,35,0,771
571602.3125,150024.95313,0,199-N-105A,Chromium,2012,TU,GROUNDWATER WELL,R,1,1,0
571282.0625,149890.5625,0,199-N-126,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571282.5,149891.1875,0,199-N-127,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571285.5,149890.10938,0,199-N-128,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571285,149889.65625,0,199-N-129,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571291.375,149885.60938,0,199-N-130,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571291,149884.95313,10,199-N-131,Chromium,2011,TU,GROUNDWATER WELL,S,1,0,10
571290,149891.4375,0,199-N-132,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571289.375,149891.82813,9,199-N-133,Chromium,2011,TU,GROUNDWATER WELL,S,1,0,9
571287.25,149887.71875,6,199-N-138,Chromium,2011,TU,GROUNDWATER WELL,S,1,0,6
571341,149949.4375,0,199-N-148,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571341.5,149949.85938,0,199-N-149,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571342.875,149948.65625,0,199-N-150,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571343.1875,149949.17188,0,199-N-151,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571343.625,149949.54688,0,199-N-152,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571347.4375,149949.92188,0,199-N-153,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
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571340.6875,149943.78125,0,199-N-155,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571341,149943.0625,0,199-N-156,Chromium,2011,TU,GROUNDWATER WELL,S,1,1,0
571281.375,149441.84375,15.9666666666667,199-N-16,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,3,2,47.9
571296.75,149698.29688,0,199-N-167,Chromium,2011,NA,GROUNDWATER WELL,R,2,2,0
571294,149705.4375,0,199-N-169,Chromium,2011,NA,GROUNDWATER WELL,R,2,2,0
571288.5,149714.84375,0,199-N-170,Chromium,2011,NA,GROUNDWATER WELL,R,1,1,0
571296.6875,149740.07813,0,199-N-171,Chromium,2011,NA,GROUNDWATER WELL,R,1,1,0
571263.3125,149738.54688,0,199-N-172,Chromium,2011,NA,GROUNDWATER WELL,R,1,1,0
571261.625,149752.125,7.4,199-N-18,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,6,4,34
571476.1875,149859.4375,0,199-N-2,Chromium,2012,TU,GROUNDWATER WELL,R,1,1,0
571177.75,149629.40625,8.3,199-N-21,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,8.3
571056.875,149410.03125,0,199-N-26,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,6,6,0
571955.25,149476.65625,6.6,199-N-28,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,6.6
571317.375,149794.60938,5.2,199-N-3,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,5.2
571907.625,149708.5,3.5,199-N-32,Chromium,2012,TU,GROUNDWATER WELL,R,2,1,7
571737.4375,149653.89063,0,199-N-34,Chromium,2012,TU,GROUNDWATER WELL,R,2,2,0
571231.25,149822.23438,26.3,199-N-347,Chromium,2011,TU,GROUNDWATER WELL,S,3,0,47.1
571248.25,149845.23438,27,199-N-348,Chromium,2011,TU,GROUNDWATER WELL,S,3,0,40
571267.1875,149866.125,20.5666666666667,199-N-349,Chromium,2011,TU,GROUNDWATER WELL,S,3,0,41.5
571356.75,149966.26563,4.15,199-N-350,Chromium,2011,TU,GROUNDWATER WELL,S,2,1,8.3
571373.1875,149987.10938,18.6333333333333,199-N-351,Chromium,2011,TU,GROUNDWATER WELL,S,3,1,38
571388.75,150009.03125,17.4666666666667,199-N-352,Chromium,2011,TU,GROUNDWATER WELL,S,3,1,39.7
571403.3125,150031.625,18.2666666666667,199-N-353,Chromium,2011,TU,GROUNDWATER WELL,S,3,1,40.3
572182.25,149965.26563,10.7,199-N-41,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,10.7
572090.875,150298.79688,8.35,199-N-50,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,4,1,12.3
571796.125,150496.96875,2.36,199-N-51,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,4,1,4.54
572302.9375,149466.1875,0,199-N-52,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,1,1,0
571413.1875,149542.04688,2.7,199-N-57,Chromium,2012,TU,GROUNDWATER WELL,R,2,1,5.4
571561.4375,149551.17188,6.3,199-N-64,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,6.3
571302.1875,149249.65625,6.8,199-N-72,Chromium,2012,TU,GROUNDWATER WELL,R,3,0,7.2
571292,149168.98438,3.15,199-N-73,Chromium,2012,TU,GROUNDWATER WELL,R,2,1,6.3
571941.875,149156.14063,36.05,199-N-74,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,38.3
572019.1875,149866.09375,6.4,199-N-81,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,6.4
571647.4375,150383.53125,0,199-N-92A,Chromium,2012,TU,GROUNDWATER WELL,R,1,1,0
569021.875,144845.40625,0.626666666666667,699-70-68,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,12,9,2.75
567551.5625,145418.78125,7.835,699-72-73,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,8.17
571420.8125,145781.53125,0.845,699-73-61,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,4,3,3.38
573386,146854.79688,26.6,699-77-54,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,26.6
572185.4375,148173.42188,0.515,699-81-58,Hexavalent Chromium,2010,TU,GROUNDWATER WELL,R,4,3,2.06
572969.75,149903.96875,16.8,699-87-55,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,16.8
570017.1875,147418.26563,2.6,199-K-121A,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
569975.0625,147172.85938,2.6,199-K-122A,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
569931.125,147090.25,2.6,199-K-123A,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
570009.5625,147257.51563,2.6,199-K-128,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
570934.4375,148088.28125,2.4,199-K-143,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
569674,147270.90625,2.4,199-K-156,Hexavalent Chromium,2012,U,GROUNDWATER WELL,NN,1,0,NA
568627.4375,146164.40625,0,199-K-158,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
570911.75,149159.60938,2.4,199-K-159,Hexavalent Chromium,2012,UU,GROUNDWATER WELL,NN,1,0,NA
570919.5625,149116.01563,2.4,199-K-160,Hexavalent Chromium,2012,UU,GROUNDWATER WELL,NN,1,0,NA
571202.25,148903.73438,2.4,199-K-164,Hexavalent Chromium,2012,UU,GROUNDWATER WELL,NN,1,0,NA
569989,147554.98438,2.4,199-K-169,Hexavalent Chromium,2012,U,GROUNDWATER WELL,NN,1,0,NA
570009,147491.375,2.4,199-K-170,Hexavalent Chromium,2012,U,GROUNDWATER WELL,NN,1,0,NA
570871.6875,147166.375,2.4,199-K-172,Hexavalent Chromium,2012,U,GROUNDWATER WELL,NN,1,0,NA
568915.375,146222.46875,0,199-K-174,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
568882.75,146008.84375,0,199-K-175,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
569847.25,147481.92188,2.6,199-K-179,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
571872.75,150720.4844,0,C6331,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571741.375,150541.1094,0,C6328,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571632,150391,0,N116mArray-15A,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571553.375,150267.9063,0,C6325,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571482.0625,150184.4531,0,N116mArray-11A,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571452,150158.6563,0,N116mArray-10A,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571437.8125,150124.9844,0,N116mArray-9A,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571404.5625,150074.5469,0,N116mArray-8.5A,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571381.1875,150029.75,0,N116mArray-8A,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571259.6875,149888.375,0,N116mArray-2A,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571225,149859.9844,0,N116mArray-1A,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571169,149776,0,N116mArray-0A,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571128.6875,149677.9844,0,C6320,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 571128.6875,149677.4531,0,C6321,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 571127,149679.6875,0,C6322,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 571081.6875,149621.3438,0,C7939,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571081.9375,149621.3438,0,C7937,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 571082,149621.9219,0,C7938,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571048.25,149577.5,0,C7934,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 571047.625,149576.4844,0,C7936,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 571047.75,149576.9844,0,C7935,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
571025.3125,149554.5625,0,C6317,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 571026.8125,149554.7969,0,C6318,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 571023.875,149554.4063,0,C6319,Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 570886.3125,149365.4375,0,C6265,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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570887.3125,149364.4219,0,C6263,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 570887.1875,149363.5938,0,C6264,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
570642.4375,149034.9219,0,AT-K-6-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 570639.5625,149032.9531,0,AT-K-6-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 570641.25,149033.7188,0,AT-K-6-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
570547,149001,0,25-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
570358.9375,148738.2656,0,AT-K-5-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 570356.5,148737.4063,0,AT-K-5-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 570358,148738.1875,0,AT-K-5-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 570209.6875,148618.5,0,C6261,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
570214.875,148608.8438,0,C6260,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
570225.5,148592.7031,0,23-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
570123.75,148477.4844,0,AT-K-4-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 570123.125,148476.9531,0,AT-K-4-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 570123.125,148476.9531,0,AT-K-4-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
569951.3125,148359.4688,0,22-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569951.3125,148359.4688,0,22-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
569853.375,148265.875,0,C6257,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569851.375,148265.2188,0,C6258,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569850.5,148271.3125,0,C6259,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569711.5,148158.5938,0,C6256,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569709.375,148158.5469,0,C6255,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
569713.125,148159.9375,0,C6254,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
569603.8125,148039.2813,0,21-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569604.8125,148035.75,0,21-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569475.5625,147898.5,0,C6252,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569464.25,147897.1563,0,C6253,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
569467.1875,147888.0469,0,C6251,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569309.5625,147688.2969,0,C6249,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569313.25,147687.0469,0,C6248,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569177.9375,147579.9219,0,AT-K-3-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
569178.1875,147581.0469,0,AT-K-3-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569180,147581.4063,0,AT-K-3-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
569032.0625,147394.8125,0,19-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 569031.875,147394.2031,0,19-M,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 568921.6875,147276.1563,0,C6247,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 568920.875,147277.7344,0,C6246,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
568922.4375,147279.5156,0,C6245,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
568801.25,147157.9375,0,AT-K-2-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
568712.625,147064.3125,0,18-S,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
568695.125,147063.4844,0,C6242,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 568695.3125,147062.9531,0,C6243,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 568694.125,147063.9844,0,C6244,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 568592.5,146977.9063,0,C6239,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 568591.5625,146979.2656,0,C6240,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
568480,146895.9219,0,17-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
568327.3125,146807.1094,0,AT-K-1-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 568033.625,146604.1875,0,C6238,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
REM 568031.5,146603.7344,0,C6237,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
568031.6875,146606.75,0,C6236,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
567870,146429,0,14-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
567231.75,146055.1719,0,12-D,Hexavalent Chromium,SoftData,TU,AQUIFER TUBE,R,1,0,NA
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100KR4_Chromium_low_CMiller.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05   344.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1170.0 650.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   9
   5     10     20     48    100    500   1000   2000   5000
TRANSFORM MIK BACKTRAN
8 3
  1     2    10    20    48    100  480  200000
0.5 0.5 0.99 0.5 0.5 0.5 0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
567231.75,146055.17188,3.9,12-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.9
567551.5625,145418.78125,7.835,699-72-73,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,8.17
567870,146429,2.1,14-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,2.1
REM 568031.5,146603.73438,3.5,C6237,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.5
REM 568031.6875,146606.75,2.7,C6236,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.7
568033.625,146604.1875,3.8,C6238,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.8
568177.5625,146591.10938,7.805,199-K-31,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,2,0,8.21
568302.25,146439.70313,6.6,199-K-183,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,6.6
568327.3125,146807.10938,32.7333333333333,AT-K-1-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,3,0,37
568395.25,146616.64063,13.34,199-K-138,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,0,14
568433.3125,146639.26563,12.2166666666667,199-K-196,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,6,0,15.5
568480,146895.92188,0.182,17-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,6,4,0.546
REM 568489.1875,146934.3125,0.234,C7641,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,3,2,0.702
REM 568490.6875,146936.42188,0.223333333333333,C7642,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,6,5,1.34
568493.0625,146493.65625,13.85,199-K-140,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,14.4
568494.1875,146939.5,0.441666666666667,C7643,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,6,4,1.38
568495.125,146670.8125,15.7875,199-K-132,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,8,0,18
568544.375,146513.625,32.15,199-K-168,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,8,0,37
568551.375,146518.39063,14.5428571428571,199-K-139,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,0,16.2
568579.9375,146468.8125,16.3,199-K-107A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,17.3
REM 568591.5625,146979.26563,0,C6240,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 568592,146978.84375,0,C6241,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
568592.5,146977.90625,0,C6239,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
568594.5625,146342.96875,19.1111111111111,199-K-166,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,9,0,35
568605.75,146501.9375,1.3,199-K-34,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,2,2.6
568618.6875,146366.3125,20.4,199-K-184,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,27
568653.375,146374.51563,27.3090909090909,199-K-137,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,11,0,33
568674.0625,146266.875,139.454545454545,199-K-173,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,11,0,231
568674.9375,146342.42188,76.3777777777778,199-K-165,Hexavalent Chromium,LowRS,U,GROUNDWATER WELL,R,9,0,88.5
568687.1875,146396.14063,5.73666666666667,199-K-108A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,6.9
REM 568694.125,147063.98438,0,C6244,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
568695.125,147063.48438,0,C6242,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 568695.3125,147062.95313,0,C6243,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
568697.375,146502.39063,0.9975,199-K-106A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,2,2.03
568712.625,147064.3125,0.353333333333333,18-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,3,2,1.06
568801.25,147157.9375,0.45,AT-K-2-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,3,2,1.35
568835.25,146873.26563,14.25,199-K-190,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,14.5
568849.75,146892.8125,12.95,199-K-181,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,15.6
REM 568920.875,147277.73438,5.6,C6246,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,5.6
568921.6875,147276.15625,11.1,C6247,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,11.1
REM 568922.4375,147279.51563,3.7,C6245,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3.7
568938,146617.75,3.205,199-K-11,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,3.21
568963,146954.4375,21.8666666666667,199-K-178,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,3,0,23.5
569024.125,147006.6875,10.5666666666667,199-K-32A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,12.3
569024.25,146818.48438,18.48,199-K-141,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,5,1,31.8
REM 569031.875,147394.20313,0,19-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
569032.0625,147394.8125,0.312,19-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,1,0.624
569037.75,146682.125,0,199-K-13,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,3,0
569081.875,146635.79688,39.3333333333333,199-K-23,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,43.6
569104.25,146870.9375,0.373,199-K-142,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,0.746
569150.25,146809.6875,2.45,199-K-189,Hexavalent Chromium,LowRS,U,GROUNDWATER WELL,R,4,2,5.1
569163.3125,147265.95313,28.7666666666667,199-K-144,Hexavalent Chromium,LowRS,U,GROUNDWATER WELL,R,9,0,49
REM 569177.9375,147579.92188,25.4,AT-K-3-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,25.4
REM 569178.1875,147581.04688,41.25,AT-K-3-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,51.2
569180,147581.40625,49.8,AT-K-3-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,49.8
569209.625,146625.35938,6.34,199-K-186,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,6.58
569230,146677.90625,5.7,199-K-110A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,6.9
569284.625,147425.65625,69.1857142857143,199-K-145,Hexavalent Chromium,LowRS,U,GROUNDWATER WELL,R,7,0,200
569304.1875,147551.85938,10.2,199-K-198,Chromium,LowRS,NA,GROUNDWATER WELL,R,1,0,10.2
569308.1875,146968.875,148.25,199-K-111A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,0,165
569309.5625,147688.29688,6.4,C6249,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,6.4
REM 569313.25,147687.04688,3,C6248,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,3
REM 569315,147686.20313,5.6,C6250,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,5.6
569339.75,147585.29688,25.1,199-K-199,Chromium,LowRS,NA,GROUNDWATER WELL,R,1,0,25.1
569340,147459.96875,6.22571428571429,199-K-162,Hexavalent Chromium,LowRS,U,GROUNDWATER WELL,R,7,0,12
569348.75,147528.76563,7.4,199-K-197,Chromium,LowRS,NA,GROUNDWATER WELL,R,1,0,7.4
569353.6875,147400.8125,23.725,199-K-18,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,0,25.6
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569373.625,146390.46875,135.5,199-K-36,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,0,146
569386.8125,146370.10938,30.25,199-K-188,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,32.6
569399.625,147518.48438,5.03428571428571,199-K-120A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,1,8
569426.125,147253.54688,13.775,199-K-200,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,0,14.4
569432.1875,147167.9375,12.525,199-K-157,Hexavalent Chromium,LowRS,U,GROUNDWATER WELL,R,4,0,15.1
569458.5,147386.64063,7.225,199-K-19,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,8.45
REM 569464.25,147897.15625,12.2,C6253,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,12.2
REM 569467.1875,147888.04688,2,C6251,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2
569475.5625,147898.5,12.5,C6252,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,12.5
569499,146054.6875,4.835,199-K-187,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,4.97
569520.5,147687.23438,1.95,199-K-20,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,3.9
569539.25,147539,2.61428571428571,199-K-127,Hexavalent Chromium,LowRS,U,GROUNDWATER WELL,R,7,2,5
569603.8125,148039.28125,0,21-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 569604.8125,148035.75,0,21-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
569661.8125,147649.6875,5.265,199-K-119A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,5.33
569702.5625,147976.98438,2.71333333333333,199-K-117A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,1,5.1
569703.0625,147865.89063,2.55,199-K-118A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,5.1
REM 569709.375,148158.54688,9.4,C6255,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,9.4
569711.1875,146886.65625,6.98,199-K-191,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,7.06
569711.5,148158.59375,15.75,C6256,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,17.2
569712.875,147866,5.545,199-K-125A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,5.69
REM 569713.125,148159.9375,0,C6254,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
569769.875,147932.0625,19.95,199-K-21,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,0,23.9
REM 569850.5,148271.3125,0,C6259,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 569851.375,148265.21875,0,C6258,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
569853.375,148265.875,0,C6257,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
569867.9375,146991.67188,7.9075,199-K-124A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,0,8
569871.125,147960.5,8.41428571428571,199-K-116A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,0,17
569940,148135.42188,15.8428571428571,199-K-115A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,0,24.8
569951.3125,148359.46875,5,22-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,5
REM 569951.3125,148359.46875,0,22-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
570004.625,148202.29688,6.14666666666667,199-K-161,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,9.14
570020.3125,148280.54688,1.44285714285714,199-K-114A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,3,4
570023.6875,148097.375,54,199-K-22,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,57.5
570092.125,148069.125,98.825,199-K-201,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,4,0,106
570098.0625,148294.45313,5.6,199-K-113A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,7,1,10.9
REM 570123.125,148476.95313,0,AT-K-4-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 570123.125,148476.95313,0,AT-K-4-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
570123.75,148477.48438,0,AT-K-4-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
570197.625,148379.78125,5.46666666666667,199-K-146,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,7.7
570209.6875,148618.5,2.5,C6261,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.5
REM 570214.875,148608.84375,0,C6260,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
570216.1875,148226.54688,17.5,199-K-37,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,18.2
570225.5,148592.70313,0,23-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
570230.6875,147947.9375,25.7333333333333,199-K-163,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,3,0,29.4
570278.625,148503.4375,1.85,199-K-112A,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,1,3.7
570321.0625,148027.01563,63.0333333333333,199-K-154,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,3,0,69.8
REM 570356.5,148737.40625,2.2,AT-K-5-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,2.2
REM 570358,148738.1875,0,AT-K-5-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
570358.9375,148738.26563,8.8,AT-K-5-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,8.8
570411.625,148558.0625,14.9,199-K-147,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,18.2
570452,148876,0,DK-04-2,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
570479,148661.1875,17.7,199-K-130,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,19.8
570530.0625,148210.07813,19.3,199-K-153,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,3,0,21.3
570544,147187.85938,32.5333333333333,199-K-171,Hexavalent Chromium,LowRS,U,GROUNDWATER WELL,R,3,0,33.7
570547,149001,0,25-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
570584.75,148767.85938,13.7333333333333,199-K-148,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,18.3
REM 570639.5625,149032.95313,0,AT-K-6-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 570641.25,149033.71875,0,AT-K-6-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
570642,146969.57813,21.7,199-K-193,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,24
570642.4375,149034.92188,0,AT-K-6-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
570662,148903.84375,10.8333333333333,199-K-131,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,3,0,12
570725,149148,4.4,26-D,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,0,4.4
REM 570725,149148,0,26-M,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 570725,149148,0,26-S,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
570736.25,148585.89063,44.3666666666667,199-K-152,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,3,0,58.7
570778.25,148970.73438,6.3,199-K-149,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,7.3
570787.6875,149051.9375,1.63625,199-K-150,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,8,5,5.88
570886.3125,149365.4375,2.45,C6265,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,1,4.9
REM 570887.1875,149363.59375,1.5,C6264,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,1,3
REM 570887.3125,149364.42188,1.9,C6263,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,1,3.8
570941.3125,148686.4375,5.77,199-K-151,Hexavalent Chromium,LowRS,UU,GROUNDWATER WELL,R,4,0,7.33
REM 571047.625,149576.48438,0,C7936,Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 571047.75,149576.98438,0,C7935,Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
571048.25,149577.5,0,C7934,Chromium,LowRS,TU,AQUIFER TUBE,R,2,2,0
REM 571081.6875,149621.34375,0,C7939,Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
571081.9375,149621.34375,0,C7937,Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
REM 571082,149621.92188,0,C7938,Chromium,LowRS,TU,AQUIFER TUBE,R,1,1,0
571177.75,149629.40625,8.3,199-N-21,Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,8.3
571185.3125,148350.23438,68.1,199-K-182,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,2,0,69.6
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571292,149168.98438,0,199-N-73,Chromium,LowRS,TU,GROUNDWATER WELL,R,1,1,0
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571741.375,150541.10938,5.25,C6328,Hexavalent Chromium,LowRS,TU,AQUIFER TUBE,R,2,0,5.8
571906.9375,149581.53125,10.3533333333333,199-N-188,Hexavalent Chromium,LowRS,NA,GROUNDWATER WELL,R,3,0,11.5
571907.625,149708.5,7,199-N-32,Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,7
571941.875,149156.14063,36.05,199-N-74,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,2,0,38.3
571955.25,149476.65625,6.6,199-N-28,Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,6.6
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572969.75,149903.96875,16.8,699-87-55,Hexavalent Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,16.8
573386,146854.79688,26.6,699-77-54,Chromium,LowRS,TU,GROUNDWATER WELL,R,1,0,26.6
570574.75,148509.64063,12.65,199-K-126,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,13
570283.625,148503.0625,5,199-K-129,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,IP,1,0,5
570560.0625,148536.26563,0,199-K-133,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,2,0
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570009,147491.375,2.4,199-K-170,Hexavalent Chromium,2012,U,GROUNDWATER WELL,NN,1,0,NA
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569847.25,147481.92188,2.6,199-K-179,Hexavalent Chromium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.5  315.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1100.0 830.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   6
 20000    30000    45000    90000   250000   450000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
567231.75,146055.17188,23700,12-D,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,23700
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568938,146617.75,39666.6666666667,199-K-11,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,87700
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569871.125,147960.5,8715,199-K-116A,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,13400
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05  335.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     600.0 400.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   7
0.99   1.66   2.50   3.50   4.50   5.50   6.50
TRANSFORM MIK BACKTRAN
7 3
    2       4       8      80     800    8000   80000
0.5 0.66 0.5  0.5 0.5 0.5 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal,label,aqtube,IDNum
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571401.3125,150024.75,39,199-N-255,Strontium-90,2010,V,VADOSE WELL,C,1,0,39
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571406.125,150032.20313,140,199-N-257,Strontium-90,2010,V,VADOSE WELL,C,1,0,140
571409,150036.125,110,199-N-258,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,110
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571416,150047.73438,44,199-N-261,Strontium-90,2010,V,VADOSE WELL,C,1,0,44
571418.5,150051.20313,9.5,199-N-262,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,9.5
571421.1875,150055.45313,47,199-N-263,Strontium-90,2010,V,VADOSE WELL,C,1,0,47
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571428.75,150067.0625,290,199-N-266,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,290
571430.875,150070.65625,1400,199-N-267,Strontium-90,2010,V,VADOSE WELL,C,1,0,1400
571433.5,150074.60938,1300,199-N-268,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,1300
571436,150078.9375,1900,199-N-269,Strontium-90,2010,V,VADOSE WELL,C,2,0,1900
571438.5,150082.34375,480,199-N-270,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,480
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571455.6875,150118.5625,1200,199-N-279,Strontium-90,2010,V,VADOSE WELL,C,1,0,1200
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571461.9375,150131.39063,2300,199-N-282,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,2300
571463.5,150135.70313,290,199-N-283,Strontium-90,2010,V,VADOSE WELL,C,1,0,290
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571467.375,150144.4375,780,199-N-285,Strontium-90,2010,V,VADOSE WELL,C,1,0,780
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571480.75,150161.9375,190,199-N-290,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,190
571484.25,150164.35938,420,199-N-291,Strontium-90,2010,V,VADOSE WELL,C,1,0,420
571488.125,150167.75,740,199-N-292,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,740
571491.875,150170.59375,660,199-N-293,Strontium-90,2010,V,VADOSE WELL,C,1,0,660
571495.0625,150173.6875,1200,199-N-294,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,1200
571498.3125,150176.51563,620,199-N-295,Strontium-90,2010,V,VADOSE WELL,C,1,0,620
571501.5625,150179.51563,810,199-N-296,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,810
571504.75,150182.73438,640,199-N-297,Strontium-90,2010,V,VADOSE WELL,C,1,0,640
571508,150186.1875,1100,199-N-298,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,1100
571511,150189.40625,920,199-N-299,Strontium-90,2010,V,VADOSE WELL,C,1,0,920
571513.9375,150192.875,1200,199-N-300,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,1200
571516.9375,150196.625,720,199-N-301,Strontium-90,2010,V,VADOSE WELL,C,1,0,720
571520.0625,150199.90625,280,199-N-302,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,280
571523.125,150203.34375,150,199-N-303,Strontium-90,2010,V,VADOSE WELL,C,1,0,150
571525.9375,150206.875,37,199-N-304,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,37
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571531.625,150214.04688,440,199-N-306,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,440
571534.3125,150217.5,610,199-N-307,Strontium-90,2010,V,VADOSE WELL,C,1,0,610
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571540.0625,150224.73438,720,199-N-309,Strontium-90,2010,V,VADOSE WELL,C,1,0,720
571542.8125,150228.42188,580,199-N-310,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,580
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571550.8125,150239.57813,400,199-N-313,Strontium-90,2010,V,VADOSE WELL,C,1,0,400
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571560.875,150254.875,110,199-N-317,Strontium-90,2010,V,VADOSE WELL,C,1,0,110
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571582.3125,150290.34375,300,199-N-326,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,300
571584.1875,150294.1875,15,199-N-327,Strontium-90,2010,V,VADOSE WELL,C,1,0,15
571586.1875,150298.35938,400,199-N-328,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,400
571588.5,150302.32813,9.9,199-N-329,Strontium-90,2010,V,VADOSE WELL,C,1,0,9.9
571590.625,150306.15625,450,199-N-330,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,450
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571627.1875,150353.32813,0,199-N-343,Strontium-90,2010,V,VADOSE WELL,C,1,1,0
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571632.625,150360.4375,0,199-N-345,Strontium-90,2010,V,VADOSE WELL,C,2,2,0
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571344.4375,149948.28125,130,199-N-368,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,130
571341.75,149947.71875,200,199-N-369,Strontium-90,2010,TU,GROUNDWATER WELL,C,2,0,200
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569674,147270.90625,2.5,199-K-156,Strontium-90,2012,U,GROUNDWATER WELL,NN,1,0,NA
568627.4375,146164.40625,0.14,199-K-158,Strontium-90,2012,TU,GROUNDWATER WELL,NN,1,0,NA
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570919.5625,149116.01563,2.5,199-K-160,Strontium-90,2012,UU,GROUNDWATER WELL,NN,1,0,NA
571202.25,148903.73438,2.5,199-K-164,Strontium-90,2012,UU,GROUNDWATER WELL,NN,1,0,NA
569989,147554.98438,2.5,199-K-169,Strontium-90,2012,U,GROUNDWATER WELL,NN,1,0,NA
570009,147491.375,2.5,199-K-170,Strontium-90,2012,U,GROUNDWATER WELL,NN,1,0,NA
570871.6875,147166.375,2.5,199-K-172,Strontium-90,2012,U,GROUNDWATER WELL,NN,1,0,NA
568915.375,146222.46875,0.14,199-K-174,Strontium-90,2012,NA,GROUNDWATER WELL,NN,1,0,NA
568882.75,146008.84375,0.14,199-K-175,Strontium-90,2012,NA,GROUNDWATER WELL,NN,1,0,NA
569847.25,147481.92188,1.9,199-K-179,Strontium-90,2012,NA,GROUNDWATER WELL,NN,1,0,NA
569155.9375,146763.79688,0.613,199-K-27,Strontium-90,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
569060,146840,686.16,Sr90 2-East,Strontium-90,SoftData,NA,Type 3,NN,1,0,NA
568577,146597,14.21,Sr90 2-West,Strontium-90,SoftData,NA,Type 3,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.5  315.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     750.0 400.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   1
2
TRANSFORM LOG BACKTRAN
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
568697.375,146502.39063,1.35,199-K-106A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,0,1.4
568579.9375,146468.8125,3.45,199-K-107A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,0,3.6
568687.1875,146396.14063,2.6,199-K-108A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,0,2.6
568938,146617.75,2.25,199-K-11,Trichloroethene,2010,TU,GROUNDWATER WELL,R,2,0,2.9
569308.1875,146968.875,0,199-K-111A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
569702.5625,147976.98438,0,199-K-117A,Trichloroethene,2010,TU,GROUNDWATER WELL,R,2,2,0
568495.125,146670.8125,3.3,199-K-132,Trichloroethene,2012,TU,GROUNDWATER WELL,R,3,1,6.2
568395.25,146616.64063,4.95,199-K-138,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,0,5.6
568551.375,146518.39063,4.95,199-K-139,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,0,5.4
568493.0625,146493.65625,2.3,199-K-140,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,1,4.6
569104.25,146870.9375,0,199-K-142,Trichloroethene,2010,TU,GROUNDWATER WELL,R,3,3,0
570941.3125,148686.4375,0,199-K-151,Trichloroethene,2012,UU,GROUNDWATER WELL,R,4,4,0
570736.25,148585.89063,0,199-K-152,Trichloroethene,2012,UU,GROUNDWATER WELL,R,1,1,0
569432.1875,147167.9375,0,199-K-157,Trichloroethene,2010,U,GROUNDWATER WELL,R,2,2,0
568674.9375,146342.42188,3.7,199-K-165,Trichloroethene,2012,U,GROUNDWATER WELL,R,1,0,3.7
568594.5625,146342.96875,4.16666666666667,199-K-166,Trichloroethene,2012,UU,GROUNDWATER WELL,R,3,0,4.5
568544.375,146513.625,4.36,199-K-168,Trichloroethene,2012,UU,GROUNDWATER WELL,R,5,0,4.6
568674.0625,146266.875,4.325,199-K-173,Trichloroethene,2012,UU,GROUNDWATER WELL,R,4,0,4.8
569353.6875,147400.8125,0,199-K-18,Trichloroethene,2010,TU,GROUNDWATER WELL,R,3,3,0
571185.3125,148350.23438,0,199-K-182,Trichloroethene,2011,NA,GROUNDWATER WELL,R,1,1,0
568302.25,146439.70313,3.45,199-K-183,Trichloroethene,2012,NA,GROUNDWATER WELL,R,4,0,3.8
568618.6875,146366.3125,3.1,199-K-184,Trichloroethene,2012,NA,GROUNDWATER WELL,R,5,1,5.1
568574.9375,146726.17188,5.275,199-K-185,Trichloroethene,2012,NA,GROUNDWATER WELL,R,4,0,6.5
569209.625,146625.35938,0,199-K-186,Trichloroethene,2012,NA,GROUNDWATER WELL,R,1,1,0
569499,146054.6875,0,199-K-187,Trichloroethene,2012,NA,GROUNDWATER WELL,R,1,1,0
569386.8125,146370.10938,1.7,199-K-188,Trichloroethene,2012,NA,GROUNDWATER WELL,R,1,0,1.7
569150.25,146809.6875,0,199-K-189,Trichloroethene,2011,U,GROUNDWATER WELL,R,2,2,0
568835.25,146873.26563,4,199-K-190,Trichloroethene,2012,NA,GROUNDWATER WELL,R,1,0,4
569711.1875,146886.65625,0,199-K-191,Trichloroethene,2012,NA,GROUNDWATER WELL,R,1,1,0
570642,146969.57813,0,199-K-193,Trichloroethene,2012,NA,GROUNDWATER WELL,R,4,4,0
571315.625,147281.98438,0,199-K-194,Trichloroethene,2012,NA,GROUNDWATER WELL,R,4,4,0
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568882.75,146008.84375,4.45,199-K-175,Trichloroethene,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.5  315.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1200.0 830.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   7
0.99   1.50   2.50   3.50   4.50   5.50   6.50
TRANSFORM MIK BACKTRAN
7 3
  1000     2000    10000    20000    40000    80000   200000
0.5 0.5 0.5 0.5 0.5 0.5 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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100NR2_Nitrate_Ave.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05  330.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1700.0 850.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   5
0.6   1.5   2.5   3.5   4.5
TRANSFORM MIK BACKTRAN
6 3
22000   45000     100000     250000     450000   10000000
.99   0.1 0.5 0.5 0.5 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal,label,aqtube,IDNum
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05   10.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     600.0 400.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   5
0.95   1.50   2.50   3.50   4.50
TRANSFORM MIK BACKTRAN
6 3
8      80      800      8000  13000 8000000
0.2  0.1      0.5      0.3   0.1   0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal,label,aqtube,IDNum
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571457.9375,150122.76563,1800,199-N-280,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,1800
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571516.9375,150196.625,720,199-N-301,Strontium-90,2010,V,VADOSE WELL,C,1,0,720
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571534.3125,150217.5,610,199-N-307,Strontium-90,2010,V,VADOSE WELL,C,1,0,610
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571595.375,150314.29688,480,199-N-332,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,480
571597.4375,150318.20313,30,199-N-333,Strontium-90,2010,V,VADOSE WELL,C,1,0,30
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571602.6875,150325.45313,20,199-N-335,Strontium-90,2010,V,VADOSE WELL,C,1,0,20
571605.75,150329.35938,64,199-N-336,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,64
571608.875,150333.09375,3.4,199-N-337,Strontium-90,2010,V,VADOSE WELL,C,1,0,3.4
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571615.125,150339.64063,4.9,199-N-339,Strontium-90,2010,V,VADOSE WELL,C,1,0,4.9
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571522,150206.98438,29,199-N-361,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,29
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571583.75,150296.65625,180,199-N-365,Strontium-90,2010,TU,GROUNDWATER WELL,C,1,0,180
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571611.375,150340.40625,21,199-N-367,Strontium-90,2010,TU,GROUNDWATER WELL,C,2,0,21
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568578,146480,49.2,199-K-107A MIG,Strontium-90,SoftData,NA,Type 3,NN,1,0,NA
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569674,147270.90625,2.5,199-K-156,Strontium-90,2012,U,GROUNDWATER WELL,NN,1,0,NA
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571202.25,148903.73438,2.5,199-K-164,Strontium-90,2012,UU,GROUNDWATER WELL,NN,1,0,NA
569989,147554.98438,2.5,199-K-169,Strontium-90,2012,U,GROUNDWATER WELL,NN,1,0,NA
570009,147491.375,2.5,199-K-170,Strontium-90,2012,U,GROUNDWATER WELL,NN,1,0,NA
570871.6875,147166.375,2.5,199-K-172,Strontium-90,2012,U,GROUNDWATER WELL,NN,1,0,NA
568915.375,146222.46875,0.14,199-K-174,Strontium-90,2012,NA,GROUNDWATER WELL,NN,1,0,NA
568882.75,146008.84375,0.14,199-K-175,Strontium-90,2012,NA,GROUNDWATER WELL,NN,1,0,NA
569847.25,147481.92188,1.9,199-K-179,Strontium-90,2012,NA,GROUNDWATER WELL,NN,1,0,NA
569155.9375,146763.79688,0.613,199-K-27,Strontium-90,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05   335.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     200.0 80.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   5
0.95   1.50   2.50   3.50   4.50
TRANSFORM MIK BACKTRAN
6 3
8      80      800      8000  13000 8000000
0.2  0.1      0.5      0.3   0.1   0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal,label,aqtube,IDNum
571281.375,149441.84375,0,199-N-16,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,1,0
571177.75,149629.40625,1.2,199-N-21,Strontium-90,2012,TU,GROUNDWATER WELL,R,1,0,1.2
570887.1875,149363.59375,3.3,C6264,Strontium-90,2012,TU,AQUIFER TUBE,R,2,1,3.3
571025.3125,149554.5625,3.7,C6317,Strontium-90,2012,TU,AQUIFER TUBE,R,1,0,3.7
571048.25,149577.5,350,C7934,Strontium-90,2012,TU,AQUIFER TUBE,R,4,0,350
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05  290.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1400.0 700.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
   200     2000   30000
TRANSFORM MIK BACKTRAN
8 3
2   20     200   1000  2000 5000 8000 20000
0.1 0.9    0.1   0.1   0.1   .1   .1 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal,label,aqtube,IDNum
568697.375,146502.39063,0,199-K-106A,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,R,2,2,0
568579.9375,146468.8125,0,199-K-107A,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,R,1,1,0
568687.1875,146396.14063,0,199-K-108A,Total petroleum hydrocarbons - diesel range,2011,TU,GROUNDWATER WELL,R,5,5,0
569230,146677.90625,0,199-K-110A,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,R,1,1,0
569037.75,146682.125,0,199-K-13,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,R,2,2,0
568653.375,146374.51563,0,199-K-137,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,R,2,2,0
568551.375,146518.39063,0,199-K-139,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,R,1,1,0
570941.3125,148686.4375,0,199-K-151,Total petroleum hydrocarbons - diesel range,2012,UU,GROUNDWATER WELL,R,1,1,0
570736.25,148585.89063,0,199-K-152,Total petroleum hydrocarbons - diesel range,2012,UU,GROUNDWATER WELL,R,1,1,0
568674.9375,146342.42188,0,199-K-165,Total petroleum hydrocarbons - diesel range,2012,U,GROUNDWATER WELL,R,1,1,0
568594.5625,146342.96875,0,199-K-166,Total petroleum hydrocarbons - diesel range,2012,UU,GROUNDWATER WELL,R,1,1,0
568544.375,146513.625,0,199-K-168,Total petroleum hydrocarbons - diesel range,2012,UU,GROUNDWATER WELL,R,5,5,0
568674.0625,146266.875,0,199-K-173,Total petroleum hydrocarbons - diesel range,2011,UU,GROUNDWATER WELL,R,4,4,0
571185.3125,148350.23438,0,199-K-182,Total petroleum hydrocarbons - diesel range,2011,NA,GROUNDWATER WELL,R,1,1,0
568618.6875,146366.3125,0,199-K-184,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,1,1,0
569209.625,146625.35938,0,199-K-186,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,1,1,0
569081.875,146635.79688,0,199-K-23,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,R,1,1,0
568605.75,146501.9375,0,199-K-34,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,R,2,2,0
570216.1875,148226.54688,0,199-K-37,Total petroleum hydrocarbons - diesel range,2011,TU,GROUNDWATER WELL,R,2,2,0
571318.5,149928.8125,0,199-N-122,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,S,1,1,0
571282.875,149889.375,0,199-N-123,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,S,1,1,0
571713.125,150243.375,0,199-N-14,Total petroleum hydrocarbons - diesel range,2011,TU,GROUNDWATER WELL,R,1,1,0
571298.8125,149909.73438,0,199-N-146,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,S,2,2,0
571338.3125,149946.51563,0,199-N-147,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,S,1,1,0
571281.375,149441.84375,0,199-N-16,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,R,1,1,0
571261,149155.15625,0,199-N-165,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,1,1,0
571296.75,149698.29688,0,199-N-167,Total petroleum hydrocarbons - diesel range,2011,NA,GROUNDWATER WELL,R,2,2,0
571294,149705.4375,1150,199-N-169,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,NN,1,0,NA
571288.5,149714.84375,0,199-N-170,Total petroleum hydrocarbons - diesel range,2011,NA,GROUNDWATER WELL,R,1,1,0
571296.6875,149740.07813,4620,199-N-171,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,NN,1,0,NA
571263.3125,149738.54688,0,199-N-172,Total petroleum hydrocarbons - diesel range,2011,NA,GROUNDWATER WELL,R,1,1,0
571193,149759.67188,1950,199-N-173,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,2,0,2100
571261.625,149752.125,27850,199-N-18,Total petroleum hydrocarbons - diesel range,2011,TU,GROUNDWATER WELL,R,2,0,48000
571428.6875,149819.875,0,199-N-182,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,1,1,0
571269.6875,149756.01563,2050,199-N-183,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,2,0,2100
571430.75,149817.8125,0,199-N-184,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,1,1,0
571546.3125,150237.98438,0,199-N-185,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,1,1,0
571480.875,149715.0625,0,199-N-186,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,9,9,0
571565.875,149897.96875,0,199-N-187,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,7,7,0
571906.9375,149581.53125,0,199-N-188,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,5,5,0
571431.625,148430.51563,0,199-N-189,Total petroleum hydrocarbons - diesel range,2012,NA,GROUNDWATER WELL,R,1,1,0
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571317.375,149794.60938,0,199-N-3,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,R,1,1,0
571907.625,149708.5,0,199-N-32,Total petroleum hydrocarbons - diesel range,2011,TU,GROUNDWATER WELL,R,1,1,0
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571248.25,149845.23438,0,199-N-348,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,S,1,1,0
571267.1875,149866.125,91,199-N-349,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,S,1,0,91
571356.75,149966.26563,0,199-N-350,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,S,1,1,0
571373.1875,149987.10938,0,199-N-351,Total petroleum hydrocarbons - diesel range,2012,TU,GROUNDWATER WELL,S,1,1,0
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
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1    0.05     40.0   0.0   0.0               \it,cc,ang1,ang2,ang3
    350.0    400.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
  10000     20000    200000   2000000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal,label,aqtube,IDNum
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569155.9375,146763.79688,3500,199-K-27,Tritium,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.05    310.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     1650.0 400.0    0.0                      \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   5
  48    100    500   1000   2000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
567231.75,146055.17188,3.9,12-D,Hexavalent Chromium,2012,TU,AQUIFER TUBE,R,1,0,3.9
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573087.5,134474.125,28,299-E13-14,Chromium,2011,TU,GROUNDWATER WELL,R,1,0,28
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574694.5,134842.4375,19.9,299-E17-23,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,19.9
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200BP5_Cyanide_Ave_N.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                      \nst, nugget effect
1    0.01    320.0    0.0   0.0               \it,cc,ang1,ang2,ang3
     1050.0 950.0    0.0                     \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
  4    20   200
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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575325.375,136251.45313,0,299-E24-33,Cyanide,2011,UU,GROUNDWATER WELL,R,1,1,0
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569020.8938,141126.7129,0,CP28,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
568295.5147,141453.1334,0,CP29,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
567678.9425,141707.0161,0,CP30,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
567080.5048,141906.4954,0,CP31,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
566355.1257,142124.1091,0,CP32,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
565684.1501,142323.5883,0,CP33,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
565085.7124,142504.9331,0,CP34,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
564505.4091,142686.2778,0,CP35,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
563852.568,142867.6226,0,CP36,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
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200BP5_Cyanide_Ave_S.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                      \nst, nugget effect
1    0.05    50.0    0.0   0.0               \it,cc,ang1,ang2,ang3
     400.0 300.0    0.0                      \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
  4    20   200
TRANSFORM LOG BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
573386.5,134207.5625,0,299-E13-11,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
573087.5,134474.125,0,299-E13-14,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
573277.6875,134061.01563,0,299-E13-19,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
573607.5,134319.57813,0,299-E13-5,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
575262.6875,136142.8125,0,299-E24-22,Cyanide,2011,UU,GROUNDWATER WELL,R,2,2,0
574598.5625,136287.23438,0,299-E24-25,Cyanide,2010,NA,GROUNDWATER WELL,C,1,1,0
575325.375,136251.45313,0,299-E24-33,Cyanide,2011,UU,GROUNDWATER WELL,R,1,1,0
575328,135965.34375,0,299-E25-236,Cyanide,2012,TU,GROUNDWATER WELL,R,2,2,0
575464.6875,136212.3125,0,299-E25-40,Cyanide,2011,TU,GROUNDWATER WELL,R,1,1,0
575614.4375,136337.76563,1.36666666666667,299-E26-5,Cyanide,2011,U,GROUNDWATER WELL,R,3,1,2.1
575100.3125,137052.48438,0,299-E27-10,Cyanide,2010,TU,GROUNDWATER WELL,R,1,1,0
575054.125,136583.53125,0,299-E27-12,Cyanide,2012,TU,GROUNDWATER WELL,R,4,4,0
575064.9375,136489.21875,0,299-E27-13,Cyanide,2012,TU,GROUNDWATER WELL,R,4,4,0
575217.3125,136498.25,9.655,299-E27-14,Cyanide,2012,TU,GROUNDWATER WELL,R,4,0,15.2
575095.25,136630.35938,0,299-E27-15,Cyanide,2012,TU,GROUNDWATER WELL,R,4,4,0
575145,136407.20313,1.425,299-E27-21,Cyanide,2012,UU,GROUNDWATER WELL,R,4,3,5.7
575185.125,136685.32813,0,299-E27-22,Cyanide,2012,UU,GROUNDWATER WELL,R,4,4,0
575069.4375,136452.23438,0,299-E27-23,Cyanide,2012,UU,GROUNDWATER WELL,R,5,5,0
575362,136709.23438,0,299-E27-25,Cyanide,2012,NA,GROUNDWATER WELL,R,4,4,0
575032,136497.92188,2.7475,299-E27-4,Cyanide,2012,UU,GROUNDWATER WELL,R,4,2,6.78
575220.5625,136619.40625,0,299-E27-7,Cyanide,2012,UU,GROUNDWATER WELL,R,5,5,0
572941.5625,137024.01563,4.48,299-E28-26,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,4.48
573226.8125,137070.0625,4.25,299-E28-27,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,4.25
572804.375,137108.26563,4.12,299-E28-28,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,4.12
573140.3125,136550.79688,0,299-E28-30,Cyanide,2010,NA,GROUNDWATER WELL,C,5,5,0
574033.8125,136856.67188,3.015,299-E28-5,Cyanide,2011,UU,GROUNDWATER WELL,R,2,1,6.03
573698.125,137074.29688,0,299-E28-8,Cyanide,2012,UU,GROUNDWATER WELL,R,4,4,0
573467.125,136403.125,0,299-E29-54,Cyanide,2011,TU,GROUNDWATER WELL,R,1,1,0
572951.125,137741.6875,122.5,299-E32-10,Cyanide,2012,TU,GROUNDWATER WELL,R,4,1,173
572648,137467.51563,0,299-E32-2,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
572600.625,137384,0,299-E32-3,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
572603.75,137187.21875,4.48,299-E32-4,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,4.48
572599.6875,137285.125,0,299-E32-5,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
572600.375,137515.09375,0,299-E32-6,Cyanide,2012,TU,GROUNDWATER WELL,R,2,2,0
572600.375,137647.04688,0,299-E32-7,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
572663.375,137741.46875,36.75,299-E32-8,Cyanide,2012,TU,GROUNDWATER WELL,R,2,0,39.7
572795.125,137741.6875,91.4,299-E32-9,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,91.4
573706.5,137584.39063,871,299-E33-13,Cyanide,2011,TU,GROUNDWATER WELL,R,2,0,1410
573985.625,137567.21875,276,299-E33-14,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,276
573810.3125,137540.70313,1100,299-E33-15,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,1100
573791.6875,137465.29688,706,299-E33-16,Cyanide,2012,UU,GROUNDWATER WELL,R,4,0,977
573878.5,137467.1875,1090,299-E33-17,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,1090
573779.1875,137386.0625,38.2425,299-E33-18,Cyanide,2012,TU,GROUNDWATER WELL,R,4,1,140
573632.3125,137614.03125,804,299-E33-1A,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,804
573847.625,137397.90625,49.1666666666667,299-E33-20,Cyanide,2012,TU,GROUNDWATER WELL,R,3,1,104
573633.375,137406.21875,50.6,299-E33-205,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,50.6
573474.5,137293.20313,8.49,299-E33-21,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,8.49
573333.375,137681.46875,310,299-E33-26,Cyanide,2012,TU,GROUNDWATER WELL,R,2,0,322
572866,137467.95313,39.3,299-E33-265,Cyanide,2012,TU,GROUNDWATER WELL,R,2,0,42.3
572828.9375,137467.95313,17.2266666666667,299-E33-266,Cyanide,2012,NA,GROUNDWATER WELL,R,3,0,26.4
573226.375,137375.01563,50.7,299-E33-28,Cyanide,2012,TU,GROUNDWATER WELL,R,2,0,84.4
573227.875,137231.1875,6.78,299-E33-29,Cyanide,2012,TU,GROUNDWATER WELL,R,2,0,9.38
573633.125,137666.03125,591,299-E33-3,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,591
572923.8125,137467.78125,23.2,299-E33-30,Cyanide,2012,TU,GROUNDWATER WELL,R,2,0,23.6
573525,137491.4375,196.5,299-E33-31,Cyanide,2012,TU,GROUNDWATER WELL,R,4,0,223
573524.8125,137354.01563,43.47,299-E33-32,Cyanide,2012,TU,GROUNDWATER WELL,R,4,0,109
574080.125,137301.9375,0,299-E33-33,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
573514.6875,137256.375,23.6225,299-E33-334,Cyanide,2012,TU,GROUNDWATER WELL,R,4,1,66.2
573568.4375,137222.23438,150.5125,299-E33-335,Cyanide,2012,TU,GROUNDWATER WELL,R,4,0,516
573821.8125,137193.875,21.04,299-E33-337,Cyanide,2012,TU,GROUNDWATER WELL,R,5,2,73.3
573912.0625,137238.23438,4.625,299-E33-338,Cyanide,2012,TU,GROUNDWATER WELL,R,4,3,18.5
573716.875,137221.51563,51.145,299-E33-339,Cyanide,2012,TU,GROUNDWATER WELL,R,4,0,98.8
573104.4375,137740.42188,257,299-E33-34,Cyanide,2012,TU,GROUNDWATER WELL,R,2,0,295
573565.1875,137652.5,485.333333333333,299-E33-341,Cyanide,2012,TU,GROUNDWATER WELL,R,3,0,683
573625.6875,137579.95313,1007.66666666667,299-E33-342,Cyanide,2012,TU,GROUNDWATER WELL,R,3,0,1030
573744,137382.25,13,299-E33-343,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,13
573780.875,137388.23438,0,299-E33-345,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
573220.8125,137605.09375,191.5,299-E33-35,Cyanide,2012,TU,GROUNDWATER WELL,R,2,0,205
574068.5625,137239.98438,0,299-E33-36,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
574091.5,137185.42188,0,299-E33-37,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
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573591.1875,137594.48438,758.6,299-E33-38,Cyanide,2012,TU,GROUNDWATER WELL,R,5,0,1060
573843.5,137637.35938,537,299-E33-39,Cyanide,2012,TU,GROUNDWATER WELL,R,3,0,658
573707.1875,137369.9375,74.6366666666667,299-E33-41,Cyanide,2012,TU,GROUNDWATER WELL,R,6,0,196
573521,137424.375,55.085,299-E33-42,Cyanide,2012,TU,GROUNDWATER WELL,R,4,0,134
573523.1875,137325.4375,16.4033333333333,299-E33-43,Cyanide,2012,TU,GROUNDWATER WELL,R,3,0,30.8
573706.4375,137469.15625,717.4,299-E33-44,Cyanide,2012,TU,GROUNDWATER WELL,R,5,0,833
573916.5,137295.45313,468.95,299-E33-47,Cyanide,2012,TU,GROUNDWATER WELL,R,4,0,879
573781.4375,137162.0625,7.8325,299-E33-48,Cyanide,2012,TU,GROUNDWATER WELL,R,4,2,22.4
573647.5,137212.79688,14.38,299-E33-49,Cyanide,2012,TU,GROUNDWATER WELL,R,5,3,56
573574,137695.96875,753.333333333333,299-E33-7,Cyanide,2012,TU,GROUNDWATER WELL,R,3,0,1050
573646.8125,137485.875,713,299-E33-9,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,713
574206.4375,137249.625,0,299-E34-8,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
574186,137429.8125,92.6,299-E34-9,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,92.6
574817.5625,138227.09375,0,699-48-50,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
573334.5,138044.28125,9.01,699-48-50B,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,9.01
573146.3125,138351.78125,0,699-49-55A,Cyanide,2011,TU,GROUNDWATER WELL,R,1,1,0
572544.25,138389.23438,98.8,699-49-57A,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,98.8
572748.1875,138841.54688,43.35,699-50-56,Cyanide,2011,TU,GROUNDWATER WELL,R,2,0,69.5
571946.875,138741.71875,10.4,699-50-59,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,10.4
573102.4375,139443.20313,3.90333333333333,699-52-55,Cyanide,2011,NA,GROUNDWATER WELL,R,3,1,6.76
573110.625,139624.96875,131,699-53-55B,Cyanide,2012,LU,GROUNDWATER WELL,R,1,0,131
573115,139624.10938,146,699-53-55C,Cyanide,2012,UU,GROUNDWATER WELL,R,1,0,146
573227.5625,140150.53125,0,699-55-55,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
572445.4375,140119.85938,61.8,699-55-57,Cyanide,2012,TU,GROUNDWATER WELL,R,2,0,62.2
571830.1875,140923.71875,0,699-57-59,Cyanide,2012,TU,GROUNDWATER WELL,R,1,1,0
572273.625,141414.96875,4.32,699-59-58,Cyanide,2012,TU,GROUNDWATER WELL,R,1,0,4.32
571588.5625,141763.90625,6.28,699-60-60,Cyanide,2012,TU,PIEZOMETER HOST,R,1,0,6.28
570914.875,141921.65625,0,699-61-62,Cyanide,2011,TU,GROUNDWATER WELL,R,1,1,0
569787.5625,142007.96875,0,699-61-66,Cyanide,2011,TU,GROUNDWATER WELL,R,2,2,0
571055.75,142913.85938,0,699-64-62,Cyanide,2010,TU,GROUNDWATER WELL,R,1,1,0
574787.6573,137608.6244,0,CP02,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
574044.1438,138116.3898,0,CP03,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
573817,138560,0,CP04,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
572992.3441,139131.9204,0,CP05,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
575930.1293,137554.221,0,CP06,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
575658.1122,138696.693,0,CP07,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
574950.8676,139095.6515,0,CP08,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
574279.8919,139549.0134,0,CP09,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
576147.743,138061.9863,0,CP10,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
582277.1961,139675.9547,0,CP11,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
580572.5553,140292.5269,0,CP12,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
579847.1762,140473.8717,0,CP13,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
579194.3351,140637.082,0,CP14,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
578414.5526,140818.4268,0,CP15,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
577671.0391,141126.7129,0,CP16,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
577036.3324,141326.1921,0,CP17,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
576383.4912,141471.2679,0,CP18,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
575676.2466,141580.0748,0,CP19,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
574950.8676,141688.8816,0,CP20,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
574352.4299,141870.2264,0,CP21,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
573772.1266,142051.5712,0,CP22,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
573119.2855,142232.9159,0,CP23,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
581515.5481,140002.3753,0,CP24,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
570489.7864,139947.9719,0,CP26,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
569855.0797,140510.1407,0,CP27,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
569020.8938,141126.7129,0,CP28,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
568295.5147,141453.1334,0,CP29,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
567678.9425,141707.0161,0,CP30,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
567080.5048,141906.4954,0,CP31,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
566355.1257,142124.1091,0,CP32,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
565684.1501,142323.5883,0,CP33,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
565085.7124,142504.9331,0,CP34,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
564505.4091,142686.2778,0,CP35,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
563852.568,142867.6226,0,CP36,Cyanide,SoftData,NA,Type 2,NN,1,0,NA
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200BP5_Iodine129_Ave.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.01    350.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     4750.0 2300.0    0.0                       \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
0.6   1.5   2.5
TRANSFORM MIK BACKTRAN
5 3
0.1  1    5   10 20
.1 0.1 0.5 0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
576129.1875,135419.28125,0.389,299-E16-2,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.389
574977.0625,135386.15625,7.17,299-E17-1,Iodine-129,2012,TU,GROUNDWATER WELL,R,2,0,7.43
574905.375,135125.90625,0.527,299-E17-12,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.527
574948,135172.57813,0.551,299-E17-13,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,1,0.551
575140.625,135333.73438,3.1,299-E17-14,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,3.1
575145.75,135210.78125,2.34,299-E17-16,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,2.34
575112.4375,135123.59375,0.466,299-E17-18,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.466
575017.1875,135414.875,10.2,299-E17-19,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,10.2
574106.8125,134893.42188,0.146,299-E17-21,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,1,0.146
574841.0625,135195.53125,0.689,299-E17-22,Iodine-129,2012,TU,GROUNDWATER WELL,R,2,0,0.846
574694.5,134842.4375,0.193,299-E17-23,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,1,0.193
574515.1875,134845.5625,0.516,299-E17-25,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.516
574662.625,135025.0625,0.287,299-E17-26,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.287
573296.5625,135200.15625,0.0586,299-E18-1,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,1,0.0586
574043.375,136016.54688,0.11995,299-E23-1,Iodine-129,2012,TU,GROUNDWATER WELL,R,2,2,0.197
575017.625,135464.35938,11.4,299-E24-16,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,11.4
574647.0625,135469.76563,0.697,299-E24-18,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.697
575251.125,136049.40625,4.93,299-E24-20,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,4.93
574635.75,135698.20313,0.464,299-E24-21,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.464
575262.6875,136142.8125,5.22,299-E24-22,Iodine-129,2012,UU,GROUNDWATER WELL,R,2,0,6.73
575205.25,135517.8125,6.36,299-E24-23,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,6.36
574179.75,135459.29688,0.265,299-E24-24,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.265
574598.5625,136287.23438,0.688,299-E24-25,Iodine-129,2012,NA,GROUNDWATER WELL,R,1,0,0.688
575325.375,136251.45313,6.49,299-E24-33,Iodine-129,2012,UU,GROUNDWATER WELL,R,1,0,6.49
575037.875,136063.46875,4.45,299-E24-5,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,4.45
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200BP5_Nitrate_Ave_Matt_rev1.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.05    315.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     4350.0 2400.0    0.0                       \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   16
0.5 1 5 10 20 40 60 80 100 120 140 160 180 200 220 240
TRANSFORM MIK BACKTRAN
7 3
 30000 45000  66000  90000   250000   450000   2000000
 0.1   0.1    .5   0.1     0.5      0.5      0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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200BP5_Nitrate_Ave_Matt_rev1z.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.1    305.    0.0   0.0                 \it,cc,ang1,ang2,ang3
     1000.0 650.0    0.0                        \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   16
0.5 1 5 10 20 40 60 80 100 120 140 160 180 200 220 240
TRANSFORM RNK BACKTRAN
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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200BP5_Sr90_Ave.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.01    305.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     2400.0 700.0    0.0                       \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   2
 8   80
TRANSFORM LOG BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.05    310.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     4000.0 1500.0    0.0                       \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
  900    9000   90000
TRANSFORM LOG BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.05    320.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     3050.0 950.0    0.0                      \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
  900    9000   90000
TRANSFORM MIK BACKTRAN
7 3
90    900  1500 9000 10000 20000   100000
0.1     0.5 .1  0.1  .1    0.1     0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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564505.4091,142686.2778,0,CP35,Technetium-99,SoftData,NA,Type 2,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.05    290.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     450.0 150.0    0.0                      \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
  900    9000   90000
TRANSFORM MIK BACKTRAN
6 3
450    900  1500 9000 20000   100000
0.1  0.1     .1 0.5   0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.01    270.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     1000.0 700.0    0.0                      \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   6
0.85   1.50   2.30   3.50   4.50   5.50
TRANSFORM MIK BACKTRAN
7 3
2000 10000 19000 20000 25000 80000 200000 600000
0.99  0.99  .9    0.1   .1   0.1   0.1    0.1
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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1    0.0                                        \nst, nugget effect
1    0.01    310.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     1000.0 900.0    0.0                       \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   6
0.85   1.50   2.30   3.50   4.50   5.50
TRANSFORM MIK BACKTRAN
7 3
1000 2000 10000 20000 80000 200000 600000
.1   0.99  0.1  0.1   0.1   0.1    0.1
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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580572.5553,140292.5269,0,CP12,Tritium,SoftData,NA,Type 2,NN,1,0,NA
579847.1762,140473.8717,0,CP13,Tritium,SoftData,NA,Type 2,NN,1,0,NA
579194.3351,140637.082,0,CP14,Tritium,SoftData,NA,Type 2,NN,1,0,NA
578414.5526,140818.4268,0,CP15,Tritium,SoftData,NA,Type 2,NN,1,0,NA
577671.0391,141126.7129,0,CP16,Tritium,SoftData,NA,Type 2,NN,1,0,NA
577036.3324,141326.1921,0,CP17,Tritium,SoftData,NA,Type 2,NN,1,0,NA
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575676.2466,141580.0748,0,CP19,Tritium,SoftData,NA,Type 2,NN,1,0,NA
574950.8676,141688.8816,0,CP20,Tritium,SoftData,NA,Type 2,NN,1,0,NA
574352.4299,141870.2264,0,CP21,Tritium,SoftData,NA,Type 2,NN,1,0,NA
573772.1266,142051.5712,0,CP22,Tritium,SoftData,NA,Type 2,NN,1,0,NA
573119.2855,142232.9159,0,CP23,Tritium,SoftData,NA,Type 2,NN,1,0,NA
581515.5481,140002.3753,0,CP24,Tritium,SoftData,NA,Type 2,NN,1,0,NA
570489.7864,139947.9719,0,CP26,Tritium,SoftData,NA,Type 2,NN,1,0,NA
569855.0797,140510.1407,0,CP27,Tritium,SoftData,NA,Type 2,NN,1,0,NA
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567678.9425,141707.0161,0,CP30,Tritium,SoftData,NA,Type 2,NN,1,0,NA
567080.5048,141906.4954,0,CP31,Tritium,SoftData,NA,Type 2,NN,1,0,NA
566355.1257,142124.1091,0,CP32,Tritium,SoftData,NA,Type 2,NN,1,0,NA
565684.1501,142323.5883,0,CP33,Tritium,SoftData,NA,Type 2,NN,1,0,NA
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564505.4091,142686.2778,0,CP35,Tritium,SoftData,NA,Type 2,NN,1,0,NA
563852.568,142867.6226,0,CP36,Tritium,SoftData,NA,Type 2,NN,1,0,NA
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200BP5_Uranium_Ave_N.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.05    305.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     4000.0 900.0    0.0                      \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   7
0.99   1.50   2.50   3.50   4.50   5.50   6.50
TRANSFORM MIK BACKTRAN
7 3
     10        30        60        90       300       900   2500
0.5 0.5 0.5 0.5 0.5 0.5 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.02    60.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     750.00 300.0    0.0                      \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   7
0.5   1.5   2.5   3.5   4.5   5.5   6.5
TRANSFORM MIK BACKTRAN
7 3
     10        30        60        90       300       900   2500
0.5 0.5 0.5 0.5 0.5 0.5 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.05    110.0   0.0   0.0                \it,cc,ang1,ang2,ang3
    7800.0 3200.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
0.5   1.5   2.5
TRANSFORM MIK BACKTRAN
5 3
0.1  1    5   10 20
.1 0.1 0.5 0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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200PO1_Nitrate_Ave_Matt.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05     90.0   0.0   0.0          \it,cc,ang1,ang2,ang3
     1500.0 1500.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   16
0.5 1 5 10 20 40 60 80 100 120 140 160 180 200 220 240
TRANSFORM MIK BACKTRAN
5 3
 45000    90000   250000   450000   900000
0.75  0.5 0.5 0.5 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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569020.8938,141126.7129,0,CP28,Nitrate,SoftData,NA,Type 2,NN,1,0,NA
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567678.9425,141707.0161,0,CP30,Nitrate,SoftData,NA,Type 2,NN,1,0,NA
567080.5048,141906.4954,0,CP31,Nitrate,SoftData,NA,Type 2,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05     90.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     4800.0 3610.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
  900    9000   90000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05    143.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     7400.0 3500.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   5
0.95   1.50   2.50   3.50   4.50
TRANSFORM MIK BACKTRAN
9 3
1900  2000        8000        10000        20000        21000 90000 200000 1100000
0.1         0.99          0.1          0.1          0.1          0.1   0.1   0.1  0.1
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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578414.5526,140818.4268,0,CP15,Tritium,SoftData,NA,Type 2,NN,1,0,NA
577671.0391,141126.7129,0,CP16,Tritium,SoftData,NA,Type 2,NN,1,0,NA
577036.3324,141326.1921,0,CP17,Tritium,SoftData,NA,Type 2,NN,1,0,NA
576383.4912,141471.2679,0,CP18,Tritium,SoftData,NA,Type 2,NN,1,0,NA
575676.2466,141580.0748,0,CP19,Tritium,SoftData,NA,Type 2,NN,1,0,NA
574950.8676,141688.8816,0,CP20,Tritium,SoftData,NA,Type 2,NN,1,0,NA
574352.4299,141870.2264,0,CP21,Tritium,SoftData,NA,Type 2,NN,1,0,NA
573772.1266,142051.5712,0,CP22,Tritium,SoftData,NA,Type 2,NN,1,0,NA
573119.2855,142232.9159,0,CP23,Tritium,SoftData,NA,Type 2,NN,1,0,NA
581515.5481,140002.3753,0,CP24,Tritium,SoftData,NA,Type 2,NN,1,0,NA
570489.7864,139947.9719,0,CP26,Tritium,SoftData,NA,Type 2,NN,1,0,NA
569855.0797,140510.1407,0,CP27,Tritium,SoftData,NA,Type 2,NN,1,0,NA
569020.8938,141126.7129,0,CP28,Tritium,SoftData,NA,Type 2,NN,1,0,NA
568295.5147,141453.1334,0,CP29,Tritium,SoftData,NA,Type 2,NN,1,0,NA
567678.9425,141707.0161,0,CP30,Tritium,SoftData,NA,Type 2,NN,1,0,NA
567080.5048,141906.4954,0,CP31,Tritium,SoftData,NA,Type 2,NN,1,0,NA
566355.1257,142124.1091,0,CP32,Tritium,SoftData,NA,Type 2,NN,1,0,NA
565684.1501,142323.5883,0,CP33,Tritium,SoftData,NA,Type 2,NN,1,0,NA
565085.7124,142504.9331,0,CP34,Tritium,SoftData,NA,Type 2,NN,1,0,NA
564505.4091,142686.2778,0,CP35,Tritium,SoftData,NA,Type 2,NN,1,0,NA
563852.568,142867.6226,0,CP36,Tritium,SoftData,NA,Type 2,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05    75.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     4350.0 3500.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   5
0.95   1.50   2.50   3.50   4.50
TRANSFORM MIK BACKTRAN
9 3
1900  2000        8000        10000        20000        21000 90000 200000 1100000
0.1         0.99          0.1          0.1          0.1          0.1   0.1   0.1  0.1
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
593296.25,126696.60938,0,699-10-E12,Tritium,2012,TU,PIEZOMETER HOST,R,1,1,0
578401.9375,127742.5625,0,699-14-38,Tritium,2010,UU,PIEZOMETER HOST,R,3,3,0
585344.875,128028.875,0,699-15-15B,Tritium,2010,TU,GROUNDWATER WELL,R,3,3,0
588557.875,128811.78125,3966.66666666667,699-17-5,Tritium,2010,TU,GROUNDWATER WELL,R,3,0,4100
576819.4375,129159.02344,0,699-19-43,Tritium,2010,UU,GROUNDWATER WELL,R,1,1,0
583518.4375,129714.34375,45666.6666666667,699-20-20,Tritium,2010,TU,GROUNDWATER WELL,R,3,0,47000
593592.9375,129735.28125,380,699-20-E12O,Tritium,2012,TU,HOSTED PIEZOMETER,R,1,0,380
591358.125,129612.39844,37750,699-20-E5A,Tritium,2010,TU,GROUNDWATER WELL,R,4,0,39000
587982.75,129941.91406,29000,699-21-6,Tritium,2010,TU,GROUNDWATER WELL,R,1,0,29000
579340.5625,130309.01563,0,699-22-35,Tritium,2012,TU,GROUNDWATER WELL,R,1,1,0
575785.6875,130793.84375,0,699-24-46,Tritium,2012,TU,GROUNDWATER WELL,R,1,1,0
585472.5625,131330.5625,58000,699-26-15A,Tritium,2010,TU,GROUNDWATER WELL,R,3,0,59000
579709.75,131280.28125,23000,699-26-33,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,23000
579314.125,131347.25,18000,699-26-35A,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,18000
577621.6875,131929.76563,630,699-28-40,Tritium,2012,TU,PIEZOMETER HOST,R,1,0,630
588701.25,132255.32813,61333.3333333333,699-29-4,Tritium,2010,TU,GROUNDWATER WELL,R,3,0,63000
580551.6875,132794.23438,1300,699-31-31,Tritium,2011,U,PIEZOMETER HOST,R,1,0,1300
583197.125,133256.8125,35000,699-32-22A,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,35000
587123,134096.0625,70000,699-35-9,Tritium,2010,TU,GROUNDWATER WELL,R,3,0,72000
585475.3125,134951.28125,48000,699-38-15,Tritium,2010,TU,GROUNDWATER WELL,R,3,0,49000
589721.9375,135665.5,50000,699-40-1,Tritium,2010,TU,GROUNDWATER WELL,R,1,0,50000
589539.5,135965.48438,49000,699-41-1A,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,49000
582921.875,135903.03125,8600,699-41-23,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,8600
586331.25,136445.40625,29666.6666666667,699-42-12A,Tritium,2010,TU,GROUNDWATER WELL,R,3,0,30000
589054.75,136710.54688,59000,699-43-3,Tritium,2010,UU,GROUNDWATER WELL,R,1,0,59000
583604.125,137556.875,33000,699-46-21B,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,33000
588520,137434.14063,39000,699-46-4,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,39000
588237,137833.3125,23000,699-47-5,Tritium,2010,TU,GROUNDWATER WELL,R,1,0,23000
587892.1875,138288.85938,0,699-48-7A,Tritium,2010,TU,GROUNDWATER WELL,R,1,1,0
584209.375,139318.375,0,699-52-19,Tritium,2010,TU,GROUNDWATER WELL,R,1,1,0
590618.5625,126132.16406,2500,699-9-E2,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,2500
588052.6875,138256.78125,620,85-D,Tritium,2012,TU,AQUIFER TUBE,R,3,2,620
588333.5625,138067.73438,4900,86-D,Tritium,2012,TU,AQUIFER TUBE,R,2,0,4900
591487.1875,134707.73438,31000,C6353,Tritium,2012,TU,AQUIFER TUBE,R,2,0,31000
593014.875,133699.98438,0,C6356,Tritium,2012,TU,AQUIFER TUBE,R,2,2,0
594209.125,131807.59375,340,C6359,Tritium,2012,TU,AQUIFER TUBE,R,2,1,340
594504.5625,129703.40625,0,C6362,Tritium,2012,TU,AQUIFER TUBE,R,2,2,0
594894.3125,126500.85938,0,C6368,Tritium,2012,TU,AQUIFER TUBE,R,2,2,0
589905.75,137046.73438,36000,C6384,Tritium,2012,TU,AQUIFER TUBE,R,2,0,36000
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.5  90.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     4800.0 3610.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
  30    300   3000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
573386.5,134207.5625,3.62,299-E13-11,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,3.62
573087.5,134474.125,2.85,299-E13-14,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.85
573277.6875,134061.01563,4.38,299-E13-19,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,4.38
573607.5,134319.57813,3.35,299-E13-5,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,3.35
574977.0625,135386.15625,8.48,299-E17-1,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,8.74
574948,135172.57813,8.37,299-E17-13,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,8.37
575140.625,135333.73438,31.7,299-E17-14,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,31.7
575145.75,135210.78125,15.2,299-E17-16,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,15.2
575112.4375,135123.59375,11,299-E17-18,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,11
575017.1875,135414.875,10.6,299-E17-19,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,10.6
575017.625,135464.35938,25.9,299-E24-16,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,25.9
574647.0625,135469.76563,13.6,299-E24-18,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,13.6
575205.25,135517.8125,36.9,299-E24-23,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,36.9
574598.5625,136287.23438,6.78,299-E24-25,Uranium,2010,NA,GROUNDWATER WELL,C,1,0,6.78
575760.25,135702.51563,2.54,299-E25-17,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.54
575580.375,135670.35938,3.12,299-E25-3,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,3.12
576382.4375,136044.32813,2.61,299-E25-32P,Uranium,2012,TU,HOSTED PIEZOMETER,R,1,0,2.61
576019.0625,136100.01563,2.06,299-E25-34,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.06
575708.3125,135864.6875,2.47,299-E25-35,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.47
575403.625,135566.375,59.9,299-E25-36,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,59.9
575623.875,135815.6875,4.22,299-E25-48,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,4.22
576197.6875,136383.20313,2.53,299-E26-12,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.53
576199.3125,136528.59375,2.86,299-E26-13,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.86
575100.3125,137052.48438,3.875,299-E27-10,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,4.08
574652.9375,137062.73438,3.94,299-E27-11,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,4.05
575054.125,136583.53125,2.67666666666667,299-E27-12,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,3.56
575064.9375,136489.21875,2.38666666666667,299-E27-13,Uranium,2012,TU,GROUNDWATER WELL,R,3,1,3.59
575217.3125,136498.25,9.5325,299-E27-14,Uranium,2012,TU,GROUNDWATER WELL,R,4,0,10.8
575095.25,136630.35938,3.141,299-E27-15,Uranium,2012,TU,GROUNDWATER WELL,R,4,0,4.25
574179.25,137164.85938,3.355,299-E27-16,Uranium,2011,TU,GROUNDWATER WELL,R,2,0,3.4
574547.3125,137122.01563,3.805,299-E27-17,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,3.82
574299.625,137119.29688,3.3,299-E27-18,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,3.3
574355.0625,137103.59375,3.36,299-E27-19,Uranium,2011,TU,GROUNDWATER WELL,R,2,0,3.4
575145,136407.20313,2.27,299-E27-21,Uranium,2012,UU,GROUNDWATER WELL,R,3,0,2.87
575185.125,136685.32813,3.755,299-E27-22,Uranium,2012,UU,GROUNDWATER WELL,R,4,0,4
575069.4375,136452.23438,3.7775,299-E27-23,Uranium,2012,UU,GROUNDWATER WELL,R,4,0,4.16
575362,136709.23438,3.7,299-E27-25,Uranium,2012,NA,GROUNDWATER WELL,R,3,0,3.94
575032,136497.92188,3.47666666666667,299-E27-4,Uranium,2012,UU,GROUNDWATER WELL,R,3,0,3.92
575220.5625,136619.40625,4.076,299-E27-7,Uranium,2012,UU,GROUNDWATER WELL,R,5,0,5.44
574759.0625,137044.17188,3.34,299-E27-8,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,3.46
574917.625,137040.90625,3.625,299-E27-9,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,3.9
573933.375,136732.60938,6.57,299-E28-1,Uranium,2012,UU,GROUNDWATER WELL,R,1,0,6.57
573083.625,136484.875,3.2,299-E28-13,Uranium,2012,LU,GROUNDWATER WELL,R,1,0,3.2
573461.1875,136331.6875,30.2,299-E28-17,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,30.2
573104.0625,136767.78125,15.3,299-E28-18,Uranium,2012,UU,GROUNDWATER WELL,R,1,0,15.3
573704.5,136863.875,10.8,299-E28-2,Uranium,2012,UU,GROUNDWATER WELL,R,2,0,11.2
573038.4375,136829.64063,11.5,299-E28-21,Uranium,2012,UU,GROUNDWATER WELL,R,1,0,11.5
573781.875,136730.75,22.4,299-E28-23,Uranium,2011,UU,GROUNDWATER WELL,R,1,0,22.4
573785.4375,136727.76563,13.9,299-E28-24,Uranium,2012,UU,GROUNDWATER WELL,R,1,0,13.9
573776.9375,136736.73438,33.3,299-E28-25,Uranium,2012,UU,GROUNDWATER WELL,R,1,0,33.3
572941.5625,137024.01563,7.035,299-E28-26,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,7.35
573226.8125,137070.0625,25.8,299-E28-27,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,32.9
572804.375,137108.26563,4.35,299-E28-28,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,4.84
573708.8125,136607.3125,20.5,299-E28-3,Uranium,2012,UU,GROUNDWATER WELL,R,1,0,20.5
573140.3125,136550.79688,4.43,299-E28-30,Uranium,2012,NA,GROUNDWATER WELL,R,1,0,4.43
574033.8125,136856.67188,9.32,299-E28-5,Uranium,2012,UU,GROUNDWATER WELL,R,1,0,9.32
573782.4375,136388.39063,42.5,299-E28-6,Uranium,2012,UU,GROUNDWATER WELL,R,1,0,42.5
573698.125,137074.29688,8.91,299-E28-8,Uranium,2012,UU,GROUNDWATER WELL,R,4,0,9.98
573096.5,136587.21875,2.79,299-E28-9,Uranium,2012,U,GROUNDWATER WELL,R,1,0,2.79
573467.125,136403.125,30.9,299-E29-54,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,30.9
572951.125,137741.6875,33.04,299-E32-10,Uranium,2012,TU,GROUNDWATER WELL,R,5,1,42.1
572648,137467.51563,16.3,299-E32-2,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,19
572600.625,137384,5.37,299-E32-3,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,5.67
572603.75,137187.21875,2.695,299-E32-4,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,2.82
572599.6875,137285.125,4.885,299-E32-5,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,5.06
572600.375,137515.09375,17.65,299-E32-6,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,19.2
572600.375,137647.04688,18.25,299-E32-7,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,20
572663.375,137741.46875,13.8,299-E32-8,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,14.4
572795.125,137741.6875,14.1,299-E32-9,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,14.3
573706.5,137584.39063,320.5,299-E33-13,Uranium,2011,TU,GROUNDWATER WELL,R,2,0,325
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573985.625,137567.21875,4.04,299-E33-14,Uranium,2010,TU,GROUNDWATER WELL,R,1,0,4.04
573810.3125,137540.70313,99.7,299-E33-15,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,99.7
573791.6875,137465.29688,545,299-E33-16,Uranium,2012,UU,GROUNDWATER WELL,R,4,0,665
573878.5,137467.1875,8.93,299-E33-17,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,8.93
573779.1875,137386.0625,3836.66666666667,299-E33-18,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,4470
573632.3125,137614.03125,189,299-E33-1A,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,189
573847.625,137397.90625,10.74,299-E33-20,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,14.5
573633.375,137406.21875,614,299-E33-205,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,614
573474.5,137293.20313,19.2,299-E33-21,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,19.2
573333.375,137681.46875,125.5,299-E33-26,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,148
572866,137467.95313,17.3,299-E33-265,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,17.9
572828.9375,137467.95313,18.65,299-E33-266,Uranium,2012,NA,GROUNDWATER WELL,R,2,0,19.3
573226.375,137375.01563,16,299-E33-28,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,19.7
573227.875,137231.1875,11.35,299-E33-29,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,11.6
573633.125,137666.03125,14.7,299-E33-3,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,14.7
572923.8125,137467.78125,15.65,299-E33-30,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,15.8
573525,137491.4375,394.5,299-E33-31,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,411
573524.8125,137354.01563,50.65,299-E33-32,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,52.1
574080.125,137301.9375,4.69,299-E33-33,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,4.69
573514.6875,137256.375,52.15,299-E33-334,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,60.7
573568.4375,137222.23438,24.29,299-E33-335,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,42.6
573821.8125,137193.875,55.0533333333333,299-E33-337,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,79.3
573912.0625,137238.23438,63.55,299-E33-338,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,68.5
573716.875,137221.51563,138.666666666667,299-E33-339,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,155
573104.4375,137740.42188,94.5333333333333,299-E33-34,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,104
573565.1875,137652.5,123,299-E33-341,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,145
573625.6875,137579.95313,283.5,299-E33-342,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,338
573744,137382.25,1680,299-E33-343,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,1680
573780.875,137388.23438,668.5,299-E33-345,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,1090
573220.8125,137605.09375,33.85,299-E33-35,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,34.6
574068.5625,137239.98438,4.38,299-E33-36,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,4.38
574091.5,137185.42188,3.85,299-E33-37,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,3.85
573591.1875,137594.48438,249.5,299-E33-38,Uranium,2012,TU,GROUNDWATER WELL,R,4,0,281
573843.5,137637.35938,6.615,299-E33-39,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,6.72
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.02      80.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     8000.0  3000.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   8
0.95   1.50   2.50   3.50   4.50   5.50   6.50   7.50
TRANSFORM MIK BACKTRAN
9  3
   5     10     20     48    100    480   1000   2000   4800
0.95 0.5 0.5 0.1 0.1 0.5 0.5 0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.02      100.0    0.0   0.0          \it,cc,ang1,ang2,ang3
     500.0  180.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   8
0.95   1.50   2.50   3.50   4.50   5.50   6.50   7.50
TRANSFORM MIK BACKTRAN
9  3
   5     10     20     48    100    480   1000   2000   4800
0.95 0.5 0.5 0.5 0.5 0.5 0.5 0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.078      90.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     3550.0  3000.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   2
 1   10
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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567313.3125,137630.54688,0.19,299-W6-13,Iodine-129,2011,NA,GROUNDWATER WELL,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.078      90.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     3550.0  3000.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   2
 1   10
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
574106.8125,134893.42188,0.146,299-E17-21,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,1,0.146
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574179.75,135459.29688,0.265,299-E24-24,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.265
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REM 566082.75,136739.32813,3.1147,299-W10-30,Iodine-129,2012,TU,GROUNDWATER WELL,R,2,1,6.32
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567187.6875,136849.20313,3.12,299-W11-34P,Iodine-129,2011,NA,HOSTED PIEZOMETER,R,1,0,3.12
567635.1875,137018,1.48,299-W11-37,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,1.48
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REM 566901.6875,136282.375,16,299-W14-13,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,16
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05     100.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     850.0   300.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
 450    900   4500   9000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.01     90.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     400.0   350.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
 450    900   4500   9000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05     120.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     1550.0   750.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
 450    900   4500   9000
TRANSFORM MIK BACKTRAN
5 3
450    900   9000 20000   900000000
0.95  0.1 0.1 0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05     120.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     1550.0   750.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
 450    900   4500   9000
TRANSFORM MIK BACKTRAN
5 3
450    900   9000 20000   900000000
0.95  0.1 0.1 0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.08     80.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     5500.0 1700.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
  15000     10000    200000   2000000
TRANSFORM MIK BACKTRAN
7 3
1000 2000 10000 20000 80000 200000 600000
.1   0.99  0.1  0.1   0.1   0.1    0.1
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.01      75.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     1500.0   650.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
0.7   1.5   2.5   3.5
TRANSFORM MIK BACKTRAN
5 3
1      30        300       600     3500
0.7    0.4       0.1       0.5      0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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568500.9375,135089.20313,42.2,699-38-70,Uranium,SoftData,TU,INDEPENDENT PIEZOMETER,NN,1,0,NA
569374.75,136560.20313,0.574,699-43-67B,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
567175.2,135002.52,0,CP_at_C4711,Uranium,SoftData,NA,Type 3,NN,1,0,NA
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200UP1_Uranium_Ave_exclWells.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.01      75.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     1500.0   650.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
0.7   1.5   2.5   3.5
TRANSFORM MIK BACKTRAN
5 3
1      30        300       600     3500
0.7    0.4       0.1       0.5      0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
573386.5,134207.5625,3.62,299-E13-11,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,3.62
573087.5,134474.125,2.85,299-E13-14,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.85
573277.6875,134061.01563,4.38,299-E13-19,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,4.38
573607.5,134319.57813,3.35,299-E13-5,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,3.35
566844,136441.78125,2.49,299-W10-27,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.49
566083,136828.73438,0.8655,299-W10-29,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,0.872
566082.75,136739.32813,1.105,299-W10-30,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,1.11
566266.4375,136968.34375,1.54,299-W10-31,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,1.62
566734.625,136578.07813,135.55,299-W10-4,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,260
566578.625,136474.82813,0.9,299-W10-5,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,0.9
567181.9375,137161.48438,1.65,299-W11-18,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,1.82
567184.875,136844.35938,2.54,299-W11-33Q,Uranium,2012,NA,HOSTED PIEZOMETER,R,1,0,2.54
567635.1875,137018,12.9,299-W11-37,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,12.9
567774.8125,136772.23438,1.72666666666667,299-W11-96,Uranium,2012,NA,GROUNDWATER WELL,IP,3,0,1.84
568331.25,137206.10938,0,299-W12-1,Uranium,2012,TU,GROUNDWATER WELL,R,1,1,0
566901.6875,136282.375,2.31,299-W14-13,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.31
566898.375,136181.04688,1.09,299-W14-14,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,1.09
568324.875,136116.48438,1.36,299-W14-22,Uranium,2012,NA,PROPOSED SITE,C,4,0,1.36
566309.375,135550,1.975,299-W15-152,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,2.07
566307.875,135926.07813,1.075,299-W15-224,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,1.1
566716.4375,135248.3125,0.799,299-W15-37,Uranium,2012,UU,GROUNDWATER WELL,R,1,0,0.799
566809.1875,136028.76563,1.72,299-W15-763,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,1.72
566304.5,135826.23438,1.04,299-W15-83,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,1.07
566307.5625,135640.34375,0.766666666666667,299-W15-94,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,1.05
566380.0625,134733.48438,21.2333333333333,299-W18-15,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,22.3
566605.0625,135425.6875,2.545,299-W18-16,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,2.97
566097.6875,134978.6875,19.55,299-W18-21,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,20
566870.75,135193.625,1.55,299-W18-30,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,1.66
566723.3125,134996.40625,2.465,299-W18-40,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,2.53
567939.125,135014.0625,110,299-W19-101,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,110
567565.125,134745.4375,53.8,299-W19-105,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,56.2
567997.875,135205.65625,1.24,299-W19-107,Uranium,2012,UU,GROUNDWATER WELL,R,3,0,1.28
REM 567360.625,135012.35938,374,299-W19-18,Uranium,2011,TU,GROUNDWATER WELL,NN,1,0,NA
567992.125,135015.15625,92,299-W19-35,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,94.6
567634.75,135017.04688,179,299-W19-36,Uranium,2012,UU,GROUNDWATER WELL,R,1,0,179
567949.9375,135350.79688,1,299-W19-4,Uranium,2012,U,INDEPENDENT PIEZOMETER,R,1,0,1
566896.5625,135004.51563,1.2,299-W19-41,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,1.2
567699.125,135004.01563,229,299-W19-43,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,229
567782.6875,134842.45313,145,299-W19-46,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,150
566895.3125,135161.85938,1.78,299-W19-47,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,1.84
567822.9375,134925.98438,218,299-W19-48,Uranium,2012,UU,GROUNDWATER WELL,R,2,0,224
567568.0625,134894.375,85.3,299-W19-49,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,115
567133.3125,134693.76563,0.815,299-W19-6,Uranium,2012,MU,GROUNDWATER WELL,R,1,0,0.815
568124.375,134573.79688,4.075,299-W21-2,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,4.17
567205.1875,134465.23438,0.723333333333333,299-W22-26,Uranium,2011,TU,GROUNDWATER WELL,R,3,0,0.745
566956,134484.42188,5.09,299-W22-44,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,5.09
566945.1875,134292.51563,5.75,299-W22-45,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,5.75
566908.75,134076.28125,6.22,299-W22-47,Uranium,2012,UU,GROUNDWATER WELL,R,2,0,6.56
566996.625,134425.09375,5.97,299-W22-48,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,5.97
566904.375,134201.625,6.955,299-W22-49,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,7.08
566904.1875,134139.70313,5.18,299-W22-50,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,5.18
567179.625,134347.82813,1.03,299-W22-69,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,1.03
567237.375,134207.07813,0.8325,299-W22-72,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,0.872
566842.875,134125.65625,2.22,299-W22-80,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,2.22
567000.25,134354.1875,7.28,299-W22-81,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,7.28
567004.75,134167.0625,1.4,299-W22-82,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,1.4
567009.0625,134092.54688,1.766,299-W22-83,Uranium,2012,TU,GROUNDWATER WELL,R,5,0,2.06
566978.75,134547.625,5,299-W22-84,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,5
566902.875,134260.57813,3.5,299-W22-85,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,3.5
567186.75,134041.3125,3.52,299-W22-86,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,3.52
567541.75,134539.875,1.265,299-W22-87,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,1.29
568046.5,134390.53125,2.055,299-W22-88,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,2.2
566906.75,134031.67188,1.3,299-W22-89,Uranium,2011,NA,GROUNDWATER WELL,R,1,0,1.3
566961.375,134483.23438,3.535,299-W22-90,Uranium,2012,NA,GROUNDWATER WELL,IP,2,0,3.56
566911.75,134134.53125,3.425,299-W22-91,Uranium,2012,NA,GROUNDWATER WELL,IP,2,0,5.45
567167.8125,134029.76563,3.935,299-W22-92,Uranium,2012,NA,GROUNDWATER WELL,IP,2,0,4
567351.9375,134145.57813,1.97,299-W22-96,Uranium,2011,NA,GROUNDWATER WELL,C,2,0,1.97
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566794,134127.23438,6.685,299-W23-15,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,7.86
566759.125,134166.65625,10.4533333333333,299-W23-19,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,11.1
566717.6875,134446.1875,2.9,299-W23-20,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.9
566707.75,134294,10.974,299-W23-21,Uranium,2012,TU,GROUNDWATER WELL,R,5,0,11.6
566628.1875,134391.875,29.2,299-W23-4,Uranium,2012,U,GROUNDWATER WELL,R,2,0,37.2
566424.375,133293.59375,1.81,299-W26-13,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,1.81
566682.6875,133539.20313,1.03,299-W26-14,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,1.03
567118.1875,137299.125,0.964,299-W6-3,Uranium,2012,LU,GROUNDWATER WELL,R,1,0,0.964
566408.75,137308.25,2.1,299-W7-4,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,2.1
565749.4375,137646.64063,0.648,299-W8-1,Uranium,2010,TU,GROUNDWATER WELL,R,2,0,0.649
565742.1875,136872.84375,1.09,299-W9-2,Uranium,2012,NA,GROUNDWATER WELL,R,1,0,1.09
571009.5625,133215.92188,2.87,699-32-62,Uranium,2012,TU,PIEZOMETER HOST,R,1,0,2.87
567942.6875,133362.60938,0.952,699-32-72A,Uranium,2012,U,PIEZOMETER HOST,R,1,0,0.952
566683.9375,133137.73438,1.37666666666667,699-32-76,Uranium,2011,TU,GROUNDWATER WELL,R,3,0,1.46
567472.625,133552.15625,3.91,699-33-74,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,3.91
566907.75,133662.48438,2.7825,699-33-75,Uranium,2012,TU,GROUNDWATER WELL,R,4,0,3.1
566621.1875,133600.4375,0.878,699-33-76,Uranium,2011,TU,GROUNDWATER WELL,R,2,0,0.951
571395.875,133809.85938,1.59,699-34-61,Uranium,2012,NA,GROUNDWATER WELL,R,1,0,1.59
567860,133785.32813,7.505,699-34-72,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,7.6
569857.875,134099.25,2.16,699-35-66A,Uranium,2012,TU,GROUNDWATER WELL,S,2,0,2.22
566063.5625,134271.26563,14.4,699-35-78A,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,14.6
571395.5,134557.10938,1.87,699-36-61A,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,1.92
569731.3125,134469.01563,2.445,699-36-66B,Uranium,2012,TU,GROUNDWATER WELL,S,2,0,2.45
568466.6875,134308.84375,2.31333333333333,699-36-70A,Uranium,2012,TU,GROUNDWATER WELL,S,3,0,2.33
568427.8125,134625.98438,5.34,699-36-70B,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,5.35
569730.3125,134797.15625,1.68,699-37-66,Uranium,2012,TU,GROUNDWATER WELL,S,3,0,1.69
571219.125,134997.28125,2.8,699-38-61,Uranium,2012,NA,GROUNDWATER WELL,R,1,0,2.8
570090.1875,135039.84375,1.65,699-38-65,Uranium,2012,TU,INDEPENDENT PIEZOMETER,R,1,0,1.65
569180.3125,134931.60938,3.17,699-38-68A,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,3.17
571164.25,135764.42188,2.46,699-40-62,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.46
570057.5,135881.15625,1.64,699-40-65,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,1.64
570390.625,136897.4375,1.91,699-44-64,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,1.91
568729.3125,137182.67188,1.92,699-45-69A,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,2.06
571474.375,137968.73438,2.53,699-47-60,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.53
568387.9375,138056.9375,1.23,699-48-71,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,1.23
566413.25,137968.85938,0.0168285714285714,699-48-77A,Uranium,2011,TU,GROUNDWATER WELL,R,7,5,0.0614
566433.3125,138119.26563,1.07875,699-48-77D,Uranium,2012,TU,GROUNDWATER WELL,R,8,0,1.26
567359.5,138646.73438,1.33,699-50-74,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,1.33
570664.375,139148.40625,2.09,699-51-63,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,2.09
569390.25,136199.82813,0.574,699-42-67,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
569369.875,136560.40625,8.61,699-43-67,Uranium,2010,NA,GROUNDWATER WELL,C,6,0,8.61
569338.0625,136894.29688,0.574,699-44-67,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
569257,137262.96875,1.24,699-45-67,Uranium,2010,NA,GROUNDWATER WELL,C,6,0,1.24
566024.75,136995.48438,0.574,299-W10-35,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
566019.1875,137451.96875,0.574,299-W10-36,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
566033.3125,136450.23438,0.574,299-W15-226,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
566034.0625,135966.5625,0.574,299-W15-227,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
565921.1875,135506,0.574,299-W15-29,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
565908.625,135419.39063,0.574,299-W18-36,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
565904.375,135323.4375,0.574,299-W18-37,Uranium,2012,NA,VADOSE WELL,NN,1,0,NA
565892.125,135232.92188,0.574,299-W18-38,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
565885.5625,135141.10938,0.574,299-W18-39,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
567313.3125,137630.54688,0.574,299-W6-13,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
566939.625,137388.9375,0.574,299-W6-14,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
REM 568500.9375,135089.20313,42.2,699-38-70,Uranium,SoftData,TU,INDEPENDENT PIEZOMETER,NN,1,0,NA
569374.75,136560.20313,0.574,699-43-67B,Uranium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
567175.2,135002.52,0,CP_at_C4711,Uranium,SoftData,NA,Type 3,NN,1,0,NA
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200ZP1_Chromium_Ave_Matt.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05     45.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     850.0  950.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   8
  10     20     48    100    500   1000   2000   5000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
573386.5,134207.5625,0,299-E13-11,Chromium,2011,TU,GROUNDWATER WELL,R,2,2,0
573087.5,134474.125,28,299-E13-14,Chromium,2011,TU,GROUNDWATER WELL,R,1,0,28
573277.6875,134061.01563,7,299-E13-19,Chromium,2011,TU,GROUNDWATER WELL,R,1,0,7
573607.5,134319.57813,0,299-E13-5,Chromium,2011,TU,GROUNDWATER WELL,R,1,1,0
574106.8125,134893.42188,16.2,299-E17-21,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,16.2
573296.5625,135200.15625,6,299-E18-1,Chromium,2012,TU,GROUNDWATER WELL,R,1,0,6
574179.75,135459.29688,0,299-E24-24,Chromium,2012,TU,GROUNDWATER WELL,R,1,1,0
566663.125,136734.5625,30.2,299-W10-1,Chromium,2012,U,GROUNDWATER WELL,NN,1,0,NA
566017.1875,136608.89063,10.3,299-W10-14,Chromium,2012,LU,GROUNDWATER WELL,NN,1,0,NA
566832.625,136883.04688,44.75,299-W10-22,Chromium,2010,TU,GROUNDWATER WELL,R,2,0,47
566823.75,136815.34375,25.8,299-W10-23,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,25.8
566885.4375,136798.78125,36.95,299-W10-24,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,43.6
566843.375,136400.59375,88,299-W10-26,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,4,0,109
566844,136441.78125,96.43,299-W10-27,Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
566701.5625,136709.9375,160,299-W10-28,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,160
566083,136828.73438,0,299-W10-29,Chromium,2011,TU,GROUNDWATER WELL,R,1,1,0
566082.75,136739.32813,2.76,299-W10-30,Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
566266.4375,136968.34375,3.17,299-W10-31,Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
566772.75,136610.1875,1.23,299-W10-33,Chromium,2012,LU,GROUNDWATER WELL,NN,1,0,NA
566734.625,136578.07813,508.24,299-W10-4,Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
566578.625,136474.82813,0,299-W10-5,Hexavalent Chromium,2011,TU,GROUNDWATER WELL,R,2,2,0
566848.8125,136811.21875,21.3,299-W10-8,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,1,0,21.3
566927.125,136604.01563,6.5,299-W11-12,Chromium,2010,TU,GROUNDWATER WELL,R,2,1,13
567099.375,136424.03125,50.8,299-W11-13,Chromium,2012,U,PIEZOMETER HOST,NN,1,0,NA
567181.9375,137161.48438,27.2,299-W11-18,Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
567184.875,136844.35938,74.6,299-W11-33Q,Chromium,SoftData,NA,Type 3,NN,1,0,NA
567187.6875,136849.20313,62,299-W11-34P,Chromium,2011,NA,HOSTED PIEZOMETER,R,1,0,62
567635.1875,137018,116,299-W11-37,Chromium,2012,TU,GROUNDWATER WELL,NN,1,0,NA
566908.375,136779.92188,51.9,299-W11-39,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,2,0,60.7
566926.8125,136709.67188,129.05,299-W11-40,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,4,0,194
566935.5,136677.78125,156.8,299-W11-41,Hexavalent Chromium,2012,UU,GROUNDWATER WELL,R,5,0,187
566920.4375,136745.67188,72.425,299-W11-42,Hexavalent Chromium,2012,TU,GROUNDWATER WELL,R,4,0,84.7
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200ZP1_CTET.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                  \nst, nugget effect
1    0.05     66.0    0.0   0.0          \it,cc,ang1,ang2,ang3
     2400.0 1933.3    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
40.  0.18   1e-6      9
3.4     5     10     50    100    500   1000   2000   5000
TRANSFORM MIK BACKTRAN
10  3
1     3.4     5     10     50    100    500   1000   2000   5000
0.5   0.5   0.5    0.5    0.5    0.5    0.5    0.5    0.5    0.5
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1    0.05     40.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     1050.0  800.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
0.5   1.5   2.5   3.5
TRANSFORM MIK BACKTRAN
5 3
.1 1    5   10   20
.1 0.1 0.5 0.5 0.5
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569279.5,134425.01563,15.4,699-36-67,Iodine-129,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
569273.6875,134629.48438,3.07,699-37-68,Iodine-129,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
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200ZP1_Iodine129_Ave_Matt_exclWells.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05     40.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     1050.0  800.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
0.5   1.5   2.5   3.5
TRANSFORM MIK BACKTRAN
5 3
.1 1    5   10   20
.1 0.1 0.5 0.5 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
574106.8125,134893.42188,0.146,299-E17-21,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,1,0.146
573296.5625,135200.15625,0.0586,299-E18-1,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,1,0.0586
574179.75,135459.29688,0.265,299-E24-24,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.265
566663.125,136734.5625,0.0858,299-W10-1,Iodine-129,2011,U,GROUNDWATER WELL,R,1,1,0.0858
566017.1875,136608.89063,-0.0204,299-W10-14,Iodine-129,2012,LU,GROUNDWATER WELL,R,1,1,-0.0204
566885.4375,136798.78125,0.100366666666667,299-W10-24,Iodine-129,2011,TU,GROUNDWATER WELL,R,3,3,0.113
566844,136441.78125,0.384,299-W10-27,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.384
566083,136828.73438,0.0703,299-W10-29,Iodine-129,2012,TU,GROUNDWATER WELL,R,2,2,0.109
REM 566082.75,136739.32813,3.1147,299-W10-30,Iodine-129,2012,TU,GROUNDWATER WELL,R,2,1,6.32
566266.4375,136968.34375,-0.0376333333333333,299-W10-31,Iodine-129,2012,TU,GROUNDWATER WELL,R,3,3,-0.0244
566772.75,136610.1875,0.0105,299-W10-33,Iodine-129,2012,LU,GROUNDWATER WELL,R,1,1,0.0105
566734.625,136578.07813,1.195,299-W10-4,Iodine-129,2012,TU,GROUNDWATER WELL,R,2,0,1.35
566578.625,136474.82813,0.0379,299-W10-5,Iodine-129,2011,TU,GROUNDWATER WELL,R,1,1,0.0379
567099.375,136424.03125,0.0111,299-W11-13,Iodine-129,2012,U,PIEZOMETER HOST,R,1,1,0.0111
567181.9375,137161.48438,0.707,299-W11-18,Iodine-129,2012,TU,GROUNDWATER WELL,R,2,0,0.771
567184.875,136844.35938,2.65,299-W11-33Q,Iodine-129,2012,NA,HOSTED PIEZOMETER,R,1,0,2.65
567187.6875,136849.20313,3.12,299-W11-34P,Iodine-129,2011,NA,HOSTED PIEZOMETER,R,1,0,3.12
567635.1875,137018,1.48,299-W11-37,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,1.48
566908.375,136779.92188,0.225,299-W11-39,Iodine-129,2010,TU,GROUNDWATER WELL,R,2,0,0.251
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566920.4375,136745.67188,0.378,299-W11-42,Iodine-129,2011,TU,GROUNDWATER WELL,R,2,0,0.46
567269.75,136971.04688,0.187,299-W11-43,Iodine-129,2012,LU,GROUNDWATER WELL,R,1,1,0.187
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566914.875,136773.26563,0.6145,299-W11-46,Iodine-129,2011,UU,GROUNDWATER WELL,R,2,0,0.802
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REM 566901.6875,136282.375,16,299-W14-13,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,16
566898.375,136181.04688,0.47425,299-W14-14,Iodine-129,2011,TU,GROUNDWATER WELL,R,2,1,0.975
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567006.75,136218.34375,0.6,299-W14-17,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,0,0.6
566897.5,136344.15625,0.155,299-W14-18,Iodine-129,2012,TU,GROUNDWATER WELL,R,1,1,0.155
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567733.4375,135567.8125,-0.112,299-W14-71,Iodine-129,2012,LU,GROUNDWATER WELL,R,1,1,-0.112
567328.4375,135941.28125,0.0338,299-W14-72,Iodine-129,2012,LU,GROUNDWATER WELL,R,1,1,0.0338
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566309.375,135550,-0.07225,299-W15-152,Iodine-129,2012,TU,GROUNDWATER WELL,R,2,2,-0.0687
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566939.625,137388.9375,0.09,299-W6-14,Iodine-129,2011,NA,GROUNDWATER WELL,NN,1,0,NA
REM 568566.5,133987.57813,37.1,699-35-70,Iodine-129,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
REM 569279.5,134425.01563,15.4,699-36-67,Iodine-129,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
569273.6875,134629.48438,3.07,699-37-68,Iodine-129,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
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200ZP1_Nitrate_Ave_SSX_Matt.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05     90.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     280.0   150.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   16
0.5 1 5 10 20 40 60 80 100 120 140 160 180 200 220 240
TRANSFORM MIK BACKTRAN
6 3
1000 45000    90000   250000   450000   9000000
.1   0.99     0.5     0.5      0.5      0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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200ZP1_Nitrate_Ave_ZP_Matt.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
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1    0.05     66.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     3600.0 2900.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   16
0.5 1 5 10 20 40 60 80 100 120 140 160 180 200 220 240
TRANSFORM MIK BACKTRAN
6 3
1000 45000    90000   250000   450000   9000000
.1   0.99     0.5     0.5      0.5      0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.5  85.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     700.0 500.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   16
0.5 1 5 10 20 40 60 80 100 120 140 160 180 200 220 240
TRANSFORM MIK BACKTRAN
3 3
1 5 12
0.5 0.1 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05     95.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     900.0   750.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
 450    900   4500   9000
TRANSFORM MIK BACKTRAN
7 3
450  800  900  2000 9000 20000   900000000
0.95 .99  0.1   .1  0.1 0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05     95.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     900.0   750.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
 450    900   4500   9000
TRANSFORM MIK BACKTRAN
7 3
450  800  900  2000 9000 20000   900000000
0.95 .99  0.1   .1  0.1 0.5  0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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566939.625,137388.9375,35.9,299-W6-14,Technetium-99,2011,NA,GROUNDWATER WELL,NN,1,0,NA
REM 567445,133650,1000,CP_24,Technetium-99,SoftData,NA,Type 3,NN,1,0,NA
REM 567600,133700,1000,CP_25,Technetium-99,SoftData,NA,Type 3,NN,1,0,NA
567250,134170,1000,CP_26,Technetium-99,SoftData,NA,Type 3,NN,1,0,NA
566628,134214,0,CP_27,Technetium-99,SoftData,NA,Type 3,NN,1,0,NA
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200ZP1_Tritium_Ave_Matt.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05     60.0    0.0   0.0         \it,cc,ang1,ang2,ang3
     800.0   500.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
0.99   1.50   2.50   3.50
TRANSFORM MIK BACKTRAN
5 3
 10000    20000  40000  80000   200000
0.99  0.1 0.1 0.5 0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
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566082.75,136739.32813,0,299-W10-30,Tritium,2012,TU,GROUNDWATER WELL,R,2,2,0
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566413.25,137968.85938,53500,699-48-77A,Tritium,2011,TU,GROUNDWATER WELL,R,4,0,110000
566433.3125,138119.26563,116500,699-48-77D,Tritium,2012,TU,GROUNDWATER WELL,R,4,0,160000
565771.125,138271.10938,0,699-49-79,Tritium,2012,TU,GROUNDWATER WELL,R,1,1,0
567359.5,138646.73438,0,699-50-74,Tritium,2012,TU,GROUNDWATER WELL,R,1,1,0
570664.375,139148.40625,0,699-51-63,Tritium,2012,TU,GROUNDWATER WELL,R,1,1,0
566978.0625,138906.28125,0,699-51-75,Tritium,2012,TU,PIEZOMETER HOST,R,2,2,0
569390.25,136199.82813,1300,699-42-67,Tritium,2011,NA,GROUNDWATER WELL,NN,1,0,NA
569369.875,136560.40625,220,699-43-67,Tritium,2010,NA,GROUNDWATER WELL,C,6,4,220
569338.0625,136894.29688,0,699-44-67,Tritium,2011,NA,GROUNDWATER WELL,NN,1,0,NA
569257,137262.96875,0,699-45-67,Tritium,2010,NA,GROUNDWATER WELL,C,6,6,0
566024.75,136995.48438,650,299-W10-35,Tritium,2010,NA,GROUNDWATER WELL,NN,1,0,NA
566019.1875,137451.96875,0,299-W10-36,Tritium,2011,NA,GROUNDWATER WELL,NN,1,0,NA
566033.3125,136450.23438,0,299-W15-226,Tritium,2010,NA,GROUNDWATER WELL,NN,1,0,NA
566034.0625,135966.5625,610,299-W15-227,Tritium,2010,NA,GROUNDWATER WELL,NN,1,0,NA
567739.6875,134042.73438,688000,299-W22-9,Tritium,SoftData,U,GROUNDWATER WELL,NN,1,0,NA
566642,134274.625,113000,299-W23-9,Tritium,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
567313.3125,137630.54688,9600,299-W6-13,Tritium,2011,NA,GROUNDWATER WELL,NN,1,0,NA
566939.625,137388.9375,3800,299-W6-14,Tritium,2011,NA,GROUNDWATER WELL,NN,1,0,NA
571995.7,133849.6,3300,699-34-58B,Tritium,2011,NA,GROUNDWATER WELL,NN,1,0,NA
572422.612,134106.712,2500,699-35-57,Tritium,2011,NA,GROUNDWATER WELL,NN,1,0,NA
572300.422,134272.86,2400,699-35-58,Tritium,2011,NA,GROUNDWATER WELL,NN,1,0,NA
571955.968,134095.983,5200,699-35-59,Tritium,2011,TU,GROUNDWATER WELL,NN,1,0,NA
568566.5,133987.57813,192000,699-35-70,Tritium,SoftData,TU,GROUNDWATER WELL,NN,1,0,NA
572251.672,134536.248,3600,699-36-58A,Tritium,2011,TU,GROUNDWATER WELL,NN,1,0,NA
572253.483,134431.185,2400,699-36-58B,Tritium,2011,NA,GROUNDWATER WELL,NN,1,0,NA
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300FBG_Nitrate_Ave.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.01     75.0   0.0   0.0               \it,cc,ang1,ang2,ang3
    1100.0   350.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
 45000   100000   250000   450000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
589260.4375,127205.03906,52833.3333333333,699-12-2C,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,61100
588689.8125,127257.71875,24100,699-12-4D,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,24400
590060.9375,127568.78906,17833.3333333333,699-13-0A,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,19200
589560.5625,127537.14844,48250,699-13-1E,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,49100
589238.375,127372.40625,48250,699-13-2D,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,50000
589137.375,127305.02344,82150,699-13-3A,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,83700
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.01     80.0   0.0   0.0               \it,cc,ang1,ang2,ang3
    600.0   150.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
  2000    10000    20000   200000
TRANSFORM RNK BACKTRAN
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
589260.4375,127205.03906,64333.3333333333,699-12-2C,Tritium,2012,TU,GROUNDWATER WELL,R,6,0,67000
588689.8125,127257.71875,1250,699-12-4D,Tritium,2012,TU,GROUNDWATER WELL,R,2,0,1300
590060.9375,127568.78906,45666.6666666667,699-13-0A,Tritium,2012,TU,GROUNDWATER WELL,R,3,0,47000
589560.5625,127537.14844,125000,699-13-1E,Tritium,2012,TU,GROUNDWATER WELL,R,2,0,130000
589238.375,127372.40625,277500,699-13-2D,Tritium,2012,TU,GROUNDWATER WELL,R,4,0,290000
589137.375,127305.02344,1033333.33333333,699-13-3A,Tritium,2012,TU,GROUNDWATER WELL,R,3,0,1100000
588885,127111,1000,CP_28,Tritium,SoftData,NA,Type 3,NN,1,0,NA
589405.875,127228.79688,226,ENW-MW-10,Tritium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
589662.375,127228.20313,936.75,ENW-MW-11,Tritium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
589699.3125,127177.60156,671.75,ENW-MW-12,Tritium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
589773.8125,126400.5,11425,ENW-MW-13,Tritium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
590137.3125,126493.70313,261,ENW-MW-14,Tritium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
589398.25,126701.53125,1277.5,ENW-MW-3,Tritium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
589027.5625,126700.77344,16375,ENW-MW-5,Tritium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
589764.9375,126723.85938,6017.5,ENW-MW-6,Tritium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
589927.625,127435.77344,836.6667,ENW-MW-7,Tritium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
589879.5,127388.88281,1210.25,ENW-MW-8,Tritium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
589763.875,127422.78906,87.75,ENW-MW-9,Tritium,2012,NA,GROUNDWATER WELL,NN,1,0,NA
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.05     40.0    0.0   0.0                \it,cc,ang1,ang2,ang3
5000.0 3000.0    0.0                            \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
 45000   100000   250000   450000
TRANSFORM MIK BACKTRAN
5 3
450 45000   100000   250000   450000
0.1 0.5     0.5      0.5      0.5
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
594359.9375,116588.84375,9654,399-1-1,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,26600
594346.5,116733.99219,13793.625,399-1-10A,Nitrate,2012,TU,GROUNDWATER WELL,R,8,0,27600
594109.8125,116660.15625,23850,399-1-11,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,25700
593988.3125,116964.24219,27850,399-1-15,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,29100
594318.125,116414.15625,15516.25,399-1-16A,Nitrate,2012,TU,GROUNDWATER WELL,R,8,0,27400
594112.875,116413.78906,23025,399-1-17A,Nitrate,2012,TU,GROUNDWATER WELL,R,8,0,29100
593870.625,117301.57031,28850,399-1-18A,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,30300
594082.375,116329.53125,25500,399-1-2,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,28400
594160.75,116183.88281,25380,399-1-21A,Nitrate,2012,TU,GROUNDWATER WELL,R,5,0,28200
594113.5,116453.14844,21860,399-1-23,Nitrate,2012,TU,GROUNDWATER WELL,R,5,0,26100
594273.875,116642.99219,18395,399-1-54,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,26500
594152.25,116487.29688,19374,399-1-55,Nitrate,2012,NA,GROUNDWATER WELL,R,5,0,27300
594090.9375,116725.28906,23600,399-1-56,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,28400
593910.75,116352.54688,25475,399-1-58,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,27800
594077.4375,116135.92969,25650,399-1-59,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,28600
594142.5,116900.07813,25900,399-1-6,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,26100
594260.0625,116335.09375,20250,399-1-7,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,27400
594467.1875,116121.21094,16022.5,399-2-1,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,26800
594385.6875,116282.60938,19636.6666666667,399-2-2,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,28100
594284.625,116195.13281,22860,399-2-32,Nitrate,2012,NA,GROUNDWATER WELL,R,5,0,28200
594287.75,116068.79688,21700,399-2-5,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,24600
594481.3125,116008.03125,18576.6666666667,399-3-1,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,27400
594530.125,115832.26563,14116.6666666667,399-3-10,Nitrate,2012,TU,GROUNDWATER WELL,R,6,0,21200
594309.0625,115793.67188,25700,399-3-11,Nitrate,2010,TU,GROUNDWATER WELL,R,1,0,25700
594213.75,115946.78906,26350,399-3-12,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,27200
594464.6875,116019.97656,13874.4444444444,399-3-18,Nitrate,2012,TU,GROUNDWATER WELL,R,9,0,26600
594071.9375,116030.21875,26875,399-3-19,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,27900
593926.75,115803.23438,9140,399-3-2,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,14100
594375.4375,115849.70313,21050,399-3-20,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,25500
594500.6875,115966.5,11812.5,399-3-33,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,26400
593927.125,115944.40625,26300,399-3-6,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,26500
594504.5,115917.92188,1840,399-3-9,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,1840
594274.125,115537.35156,28333.3333333333,399-4-1,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,29200
594566.4375,115655.80469,16775,399-4-10,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,25400
594087.9375,115709.1875,28233.3333333333,399-4-11,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,29900
594548,115373,25300,399-4-12,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,25300
594396.1875,115604.70313,25750,399-4-14,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,29700
594343,115692.92969,25155.5555555556,399-4-15,Nitrate,2012,NA,GROUNDWATER WELL,R,9,0,29300
594603.25,115492.60156,21050,399-4-7,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,26400
594537.875,115741.45313,16466.6666666667,399-4-9,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,25400
593733.8125,115739.75,90300,399-5-4B,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,116000
593697.4375,116062.82813,24875,399-6-3,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,25600
593824.5625,115935,26975,399-6-5,Nitrate,2012,NA,GROUNDWATER WELL,R,4,0,27600
593632.25,116331.95313,28550,399-8-1,Nitrate,2012,TU,GROUNDWATER WELL,R,4,0,30500
593626.125,116683.64844,23400,399-8-3,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,23700
593384.25,116565.51563,28320,399-8-5A,Nitrate,2012,TU,GROUNDWATER WELL,R,5,0,36200
593835.3125,117605.125,27500,699-S19-E13,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,27700
594249.875,117716.19531,32300,699-S19-E14,Nitrate,2010,TU,GROUNDWATER WELL,R,1,0,32300
593124.375,117366.17969,22233.3333333333,699-S20-E10,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,23500
594114.125,115212.73438,85900,699-S27-E14,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,85900
592720.625,115332.32031,73500,699-S27-E9A,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,73500
593538.0625,115000.75,201000,699-S28-E12,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,201000
594750.5625,114731.05469,83700,699-S29-E16A,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,83700
594470.9375,114308.4375,1e+05,699-S30-E15A,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,1e+05
592964.3125,114215.00781,265000,699-S31-E10A,Nitrate,2012,TU,GROUNDWATER WELL,R,3,0,283000
592251.75,113933.51563,147000,699-S31-E8A,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,147000
592948.8125,113043.94531,101000,699-S34-E10,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,101000
594216,112168.60156,1535,699-S37-E14,Nitrate,2012,TU,GROUNDWATER WELL,R,2,0,1740
593153.875,111891.52344,177000,699-S38-E11,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,177000
593626.625,111987.29688,152000,699-S38-E12A,Nitrate,2010,TU,GROUNDWATER WELL,R,1,0,152000
593471.375,111039.0625,69500,699-S41-E12,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,69500
592558,110639,26000,699-S42-E8A,Nitrate,2012,TU,GROUNDWATER WELL,R,1,0,26000
593612.75,110404.36719,31000,699-S43-E12,Nitrate,2011,TU,GROUNDWATER WELL,R,1,0,31000
594384.9375,116737.01563,21400,AT-3-1-M,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,21400
594435.3125,116437.66406,6330,AT-3-2-M,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,6330
594505,116163.57031,3760,AT-3-3-S,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,3760
594542.625,115978.82813,22800,AT-3-4-S,Nitrate,2012,TU,AQUIFER TUBE,R,3,0,22800
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594602.1875,115749.96875,6290,AT-3-5-S,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,6290
594663.3125,115548.3125,11500,AT-3-6-S,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,11500
594706,115350.60156,6330,AT-3-7-M,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,6330
594761.625,115127.25,5400,AT-3-8-S,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,5400
594463.1875,116293.5,12200,C6342,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,12200
594525.25,116077.5625,8770,C6344,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,8770
594577.9375,115861.97656,10700,C6348,Nitrate,2012,TU,AQUIFER TUBE,R,1,0,10700
594638.5625,115640.53125,5840,C6351,Nitrate,2012,TU,AQUIFER TUBE,R,2,0,5840
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.5  90.0   0.0   0.0               \it,cc,ang1,ang2,ang3
     1400.0 1052.0    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   2
1   5
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
594359.9375,116588.84375,0,399-1-1,Trichloroethene,2012,TU,GROUNDWATER WELL,R,3,3,0
594346.5,116733.99219,0,399-1-10A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,8,8,0
594109.8125,116660.15625,0,399-1-11,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
593988.3125,116964.24219,0,399-1-15,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
594318.125,116414.15625,0,399-1-16A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,8,8,0
594112.875,116413.78906,0,399-1-17A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,8,8,0
593870.625,117301.57031,0,399-1-18A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,9,9,0
594082.375,116329.53125,0,399-1-2,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
594160.75,116183.88281,5.23333333333333,399-1-21A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,3,1,14
594113.5,116453.14844,0,399-1-23,Trichloroethene,2012,TU,GROUNDWATER WELL,R,3,3,0
594273.875,116642.99219,0,399-1-54,Trichloroethene,2012,NA,GROUNDWATER WELL,R,2,2,0
594152.25,116487.29688,0,399-1-55,Trichloroethene,2012,NA,GROUNDWATER WELL,R,3,3,0
594090.9375,116725.28906,0,399-1-56,Trichloroethene,2012,NA,GROUNDWATER WELL,R,2,2,0
593910.75,116352.54688,0,399-1-58,Trichloroethene,2012,NA,GROUNDWATER WELL,R,2,2,0
594077.4375,116135.92969,3.2,399-1-59,Trichloroethene,2012,NA,GROUNDWATER WELL,R,2,0,4.7
594142.5,116900.07813,0,399-1-6,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
594260.0625,116335.09375,0,399-1-7,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
594467.1875,116121.21094,0,399-2-1,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
594385.6875,116282.60938,1.06666666666667,399-2-2,Trichloroethene,2012,TU,GROUNDWATER WELL,R,3,1,2
594284.625,116195.13281,0,399-2-32,Trichloroethene,2012,NA,GROUNDWATER WELL,R,3,3,0
594287.75,116068.79688,0,399-2-5,Trichloroethene,2012,TU,GROUNDWATER WELL,R,4,4,0
594481.3125,116008.03125,0,399-3-1,Trichloroethene,2012,TU,GROUNDWATER WELL,R,3,3,0
594530.125,115832.26563,0,399-3-10,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
594213.75,115946.78906,3.55,399-3-12,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,0,6
594464.6875,116019.97656,0,399-3-18,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
594071.9375,116030.21875,1.56666666666667,399-3-19,Trichloroethene,2012,TU,GROUNDWATER WELL,R,3,1,3.6
593926.75,115803.23438,2.1,399-3-2,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,1,4.2
594375.4375,115849.70313,0.65,399-3-20,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,1,1.3
594500.6875,115966.5,0,399-3-33,Trichloroethene,2012,NA,GROUNDWATER WELL,R,2,2,0
593927.125,115944.40625,0,399-3-6,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
594504.5,115917.92188,0,399-3-9,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,1,0
594274.125,115537.35156,1.36666666666667,399-4-1,Trichloroethene,2012,TU,GROUNDWATER WELL,R,3,1,2.9
594566.4375,115655.80469,0.55,399-4-10,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,1,1.1
594087.9375,115709.1875,0.333333333333333,399-4-11,Trichloroethene,2012,TU,GROUNDWATER WELL,R,3,2,1
594548,115373,2.4,399-4-12,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,0,2.4
594396.1875,115604.70313,1.125,399-4-14,Trichloroethene,2012,TU,GROUNDWATER WELL,R,4,2,3
594343,115692.92969,0.7375,399-4-15,Trichloroethene,2012,NA,GROUNDWATER WELL,R,8,5,2.7
594603.25,115492.60156,2.35,399-4-7,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,0,2.4
594537.875,115741.45313,0.933333333333333,399-4-9,Trichloroethene,2012,TU,GROUNDWATER WELL,R,3,2,2.8
593733.8125,115739.75,0,399-5-4B,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
593697.4375,116062.82813,0,399-6-3,Trichloroethene,2012,NA,GROUNDWATER WELL,R,3,3,0
593824.5625,115935,0,399-6-5,Trichloroethene,2012,NA,GROUNDWATER WELL,R,3,3,0
593632.25,116331.95313,0,399-8-1,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
593626.125,116683.64844,0,399-8-3,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
593384.25,116565.51563,0,399-8-5A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
593835.3125,117605.125,0,699-S19-E13,Trichloroethene,2012,TU,GROUNDWATER WELL,R,2,2,0
594114.125,115212.73438,0,699-S27-E14,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,1,0
592720.625,115332.32031,0,699-S27-E9A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,1,0
593538.0625,115000.75,0,699-S28-E12,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,1,0
594750.5625,114731.05469,0,699-S29-E16A,Trichloroethene,2011,TU,GROUNDWATER WELL,R,1,1,0
594470.9375,114308.4375,0,699-S30-E15A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,1,0
592964.3125,114215.00781,0.4,699-S31-E10A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,3,2,1.2
592251.75,113933.51563,0,699-S31-E8A,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,1,0
592948.8125,113043.94531,0,699-S34-E10,Trichloroethene,2011,TU,GROUNDWATER WELL,R,1,1,0
594216,112168.60156,0,699-S37-E14,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,1,0
593153.875,111891.52344,0,699-S38-E11,Trichloroethene,2011,TU,GROUNDWATER WELL,R,1,1,0
593983.25,111249.92188,0,699-S40-E13A,Trichloroethene,2010,TU,GROUNDWATER WELL,R,1,1,0
593471.375,111039.0625,0,699-S41-E12,Trichloroethene,2012,TU,GROUNDWATER WELL,R,1,1,0
592558,110639,0,699-S42-E8A,Trichloroethene,2010,TU,GROUNDWATER WELL,R,1,1,0
593612.75,110404.36719,0,699-S43-E12,Trichloroethene,2011,TU,GROUNDWATER WELL,R,1,1,0
594384.9375,116737.01563,0,AT-3-1-M,Trichloroethene,2012,TU,AQUIFER TUBE,R,2,2,0
594435.3125,116437.66406,0,AT-3-2-M,Trichloroethene,2012,TU,AQUIFER TUBE,R,2,2,0
594505.4375,116160.40625,21,AT-3-3-M,Trichloroethene,2012,TU,AQUIFER TUBE,R,2,1,21
REM 594505,116163.57031,0,AT-3-3-S,Trichloroethene,2012,TU,AQUIFER TUBE,R,2,2,0
REM 594541.875,115980.41406,14,AT-3-4-D,Trichloroethene,2012,TU,AQUIFER TUBE,R,2,0,14
594543.625,115976.38281,20,AT-3-4-M,Trichloroethene,2012,TU,AQUIFER TUBE,R,2,0,20
REM 594542.625,115978.82813,0,AT-3-4-S,Trichloroethene,2012,TU,AQUIFER TUBE,R,3,3,0
594663.9375,115547.71875,0,AT-3-6-D,Trichloroethene,2012,TU,AQUIFER TUBE,R,1,1,0
REM 594462.75,116296.0625,0,C6341,Trichloroethene,2012,TU,AQUIFER TUBE,R,2,2,0
REM 594463.1875,116293.5,3.9,C6342,Trichloroethene,2012,TU,AQUIFER TUBE,R,2,1,3.9
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594463.0625,116295.20313,5,C6343,Trichloroethene,2012,TU,AQUIFER TUBE,R,2,0,5
594525.25,116077.5625,0,C6344,Trichloroethene,2012,TU,AQUIFER TUBE,R,2,2,0
594578.375,115859.25,0,C6347,Trichloroethene,2012,TU,AQUIFER TUBE,R,1,1,0
REM 594577.9375,115861.97656,0,C6348,Trichloroethene,2012,TU,AQUIFER TUBE,R,1,1,0
594638.0625,115642.04688,0,C6350,Trichloroethene,2012,TU,AQUIFER TUBE,R,1,1,0
REM 594638.5625,115640.53125,0,C6351,Trichloroethene,2012,TU,AQUIFER TUBE,R,2,2,0
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300FF5_Tritium_Ave.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05    110.0   0.0   0.0               \it,cc,ang1,ang2,ang3
    1400.0  1200.0    0.0                \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   4
  2000    10000    20000   200000
TRANSFORM RNK BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
594346.5,116733.99219,3100,399-1-10A,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,3100
594318.125,116414.15625,5500,399-1-16A,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,5500
594112.875,116413.78906,4400,399-1-17A,Tritium,2012,TU,GROUNDWATER WELL,R,2,0,5700
593870.625,117301.57031,7850,399-1-18A,Tritium,2012,TU,GROUNDWATER WELL,R,2,0,8300
594160.75,116183.88281,2050,399-1-21A,Tritium,2012,TU,GROUNDWATER WELL,R,2,0,2400
594113.5,116453.14844,5600,399-1-23,Tritium,2012,TU,GROUNDWATER WELL,R,2,0,5800
594273.875,116642.99219,5800,399-1-54,Tritium,2012,NA,GROUNDWATER WELL,R,1,0,5800
594152.25,116487.29688,4500,399-1-55,Tritium,2012,NA,GROUNDWATER WELL,R,1,0,4500
594090.9375,116725.28906,5700,399-1-56,Tritium,2012,NA,GROUNDWATER WELL,R,1,0,5700
593910.75,116352.54688,720,399-1-58,Tritium,2012,NA,GROUNDWATER WELL,R,1,0,720
594077.4375,116135.92969,1300,399-1-59,Tritium,2012,NA,GROUNDWATER WELL,R,1,0,1300
594142.5,116900.07813,6666.66666666667,399-1-6,Tritium,2010,TU,GROUNDWATER WELL,R,3,0,7700
594467.1875,116121.21094,5400,399-2-1,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,5400
594385.6875,116282.60938,5250,399-2-2,Tritium,2010,TU,GROUNDWATER WELL,R,4,0,5900
594284.625,116195.13281,3350,399-2-32,Tritium,2012,NA,GROUNDWATER WELL,R,2,0,3400
594287.75,116068.79688,2900,399-2-5,Tritium,2012,TU,GROUNDWATER WELL,R,2,0,3200
594530.125,115832.26563,3600,399-3-10,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,3600
594213.75,115946.78906,1490,399-3-12,Tritium,2010,TU,GROUNDWATER WELL,R,3,0,2500
594464.6875,116019.97656,4900,399-3-18,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,4900
594071.9375,116030.21875,195,399-3-19,Tritium,2012,TU,GROUNDWATER WELL,R,2,1,390
594375.4375,115849.70313,4200,399-3-20,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,4200
594500.6875,115966.5,2000,399-3-33,Tritium,2012,NA,GROUNDWATER WELL,R,1,0,2000
593927.125,115944.40625,126.666666666667,399-3-6,Tritium,2010,TU,GROUNDWATER WELL,R,3,1,200
594504.5,115917.92188,2333.33333333333,399-3-9,Tritium,2010,TU,GROUNDWATER WELL,R,3,0,3500
594274.125,115537.35156,0,399-4-1,Tritium,2010,TU,GROUNDWATER WELL,R,3,3,0
594548,115373,73.3333333333333,399-4-12,Tritium,2010,TU,GROUNDWATER WELL,R,3,2,220
594396.1875,115604.70313,3200,399-4-14,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,3200
594343,115692.92969,1800,399-4-15,Tritium,2012,NA,GROUNDWATER WELL,R,1,0,1800
594537.875,115741.45313,3000,399-4-9,Tritium,2010,TU,GROUNDWATER WELL,R,3,0,3700
593697.4375,116062.82813,4250,399-6-3,Tritium,2012,NA,GROUNDWATER WELL,R,2,1,8500
593384.25,116565.51563,0,399-8-5A,Tritium,2012,TU,GROUNDWATER WELL,R,2,2,0
593835.3125,117605.125,7300,699-S19-E13,Tritium,2012,TU,GROUNDWATER WELL,R,2,0,7500
594249.875,117716.19531,12000,699-S19-E14,Tritium,2010,TU,GROUNDWATER WELL,R,1,0,12000
593124.375,117366.17969,0,699-S20-E10,Tritium,2012,TU,GROUNDWATER WELL,R,3,3,0
594114.125,115212.73438,0,699-S27-E14,Tritium,2010,TU,GROUNDWATER WELL,R,1,1,0
592720.625,115332.32031,43,699-S27-E9A,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,43
593538.0625,115000.75,91.9,699-S28-E12,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,91.9
594750.5625,114731.05469,103,699-S29-E16A,Tritium,2011,TU,GROUNDWATER WELL,R,1,0,103
594470.9375,114308.4375,78.2,699-S30-E15A,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,78.2
592964.3125,114215.00781,99,699-S31-E10A,Tritium,2012,TU,GROUNDWATER WELL,R,2,0,106
592251.75,113933.51563,74.3,699-S31-E8A,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,74.3
592948.8125,113043.94531,375,699-S34-E10,Tritium,2011,TU,GROUNDWATER WELL,R,1,0,375
594216,112168.60156,55.5,699-S37-E14,Tritium,2012,TU,GROUNDWATER WELL,R,2,1,111
593153.875,111891.52344,134,699-S38-E11,Tritium,2011,TU,GROUNDWATER WELL,R,1,0,134
593626.625,111987.29688,140,699-S38-E12A,Tritium,2010,TU,GROUNDWATER WELL,R,1,0,140
593983.25,111249.92188,83.3,699-S40-E13A,Tritium,2010,TU,GROUNDWATER WELL,R,1,0,83.3
593471.375,111039.0625,110,699-S41-E12,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,110
592558,110639,39.2,699-S42-E8A,Tritium,2012,TU,GROUNDWATER WELL,R,1,0,39.2
593612.75,110404.36719,208,699-S43-E12,Tritium,2011,TU,GROUNDWATER WELL,R,1,0,208
594384.9375,116737.01563,1300,AT-3-1-M,Tritium,2012,TU,AQUIFER TUBE,R,1,0,1300
594542.625,115978.82813,0,AT-3-4-S,Tritium,2012,TU,AQUIFER TUBE,R,1,1,0
594463.1875,116293.5,1800,C6342,Tritium,2012,TU,AQUIFER TUBE,R,1,0,1800
594525.25,116077.5625,400,C6344,Tritium,2012,TU,AQUIFER TUBE,R,1,0,400
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300FF5_Uranium_high.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05  160.0   0.0   0.0               \it,cc,ang1,ang2,ang3
    1200.   900.    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
  30    300   3000
TRANSFORM LOG BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
593384.25,116565.51563,12.6,399-8-5A,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,12.6
593626.125,116683.64844,5.88,399-8-3,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,5.88
593632.25,116331.95313,21.3,399-8-1,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,21.3
593697.4375,116062.82813,31,399-6-3,Uranium,HighRS,NA,GROUNDWATER WELL,R,1,0,31
593733.8125,115739.75,9.54,399-5-4B,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,9.54
593824.5625,115935,20.4,399-6-5,Uranium,HighRS,NA,GROUNDWATER WELL,R,1,0,20.4
593870.625,117301.57031,6.195,399-1-18A,Uranium,HighRS,TU,GROUNDWATER WELL,R,2,0,6.31
593910.75,116352.54688,18.3,399-1-58,Uranium,HighRS,NA,GROUNDWATER WELL,R,1,0,18.3
593926.75,115803.23438,13.3,399-3-2,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,13.3
593927.125,115944.40625,28.1,399-3-6,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,28.1
593988.3125,116964.24219,7.21,399-1-15,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,7.21
594071.9375,116030.21875,34.1,399-3-19,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,34.1
594077.4375,116135.92969,46,399-1-59,Uranium,HighRS,NA,GROUNDWATER WELL,R,1,0,46
594082.375,116329.53125,49.9,399-1-2,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,49.9
594087.9375,115709.1875,27.5,399-4-11,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,27.5
594090.9375,116725.28906,32.2,399-1-56,Uranium,HighRS,NA,GROUNDWATER WELL,R,1,0,32.2
594109.8125,116660.15625,44.4,399-1-11,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,44.4
594112.875,116413.78906,469,399-1-17A,Uranium,HighRS,TU,GROUNDWATER WELL,R,2,0,838
594113.5,116453.14844,92,399-1-23,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,92
594142.5,116900.07813,6.93,399-1-6,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,6.93
594152.25,116487.29688,534,399-1-55,Uranium,HighRS,NA,GROUNDWATER WELL,R,2,0,571
594160.75,116183.88281,37.6,399-1-21A,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,37.6
594213.75,115946.78906,117,399-3-12,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,117
594260.0625,116335.09375,104,399-1-7,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,104
594273.875,116642.99219,23.4,399-1-54,Uranium,HighRS,NA,GROUNDWATER WELL,R,1,0,23.4
594274.125,115537.35156,40.4,399-4-1,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,40.4
594284.625,116195.13281,22.2,399-2-32,Uranium,HighRS,NA,GROUNDWATER WELL,R,1,0,22.2
594287.75,116068.79688,35.2,399-2-5,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,35.2
594318.125,116414.15625,21.3,399-1-16A,Uranium,HighRS,TU,GROUNDWATER WELL,R,2,0,27.2
594343,115692.92969,76.8333333333333,399-4-15,Uranium,HighRS,NA,GROUNDWATER WELL,R,3,0,81.5
594346.5,116733.99219,13.375,399-1-10A,Uranium,HighRS,TU,GROUNDWATER WELL,R,2,0,17.9
594359.9375,116588.84375,10.8,399-1-1,Uranium,HighRS,TU,GROUNDWATER WELL,R,2,0,11.4
594375.4375,115849.70313,47.1,399-3-20,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,47.1
594385.6875,116282.60938,48.5,399-2-2,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,48.5
594396.1875,115604.70313,84.3,399-4-14,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,84.3
594464.6875,116019.97656,30.7,399-3-18,Uranium,HighRS,TU,GROUNDWATER WELL,R,3,0,38.6
594467.1875,116121.21094,33.6,399-2-1,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,33.6
594470.9375,114308.4375,5.84,699-S30-E15A,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,5.84
594481.3125,116008.03125,37.5,399-3-1,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,37.5
594500.6875,115966.5,39.9,399-3-33,Uranium,HighRS,NA,GROUNDWATER WELL,R,1,0,39.9
594504.5,115917.92188,40.3,399-3-9,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,40.3
594530.125,115832.26563,34.7,399-3-10,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,34.7
594537.875,115741.45313,32,399-4-9,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,32
594548,115373,38.6,399-4-12,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,38.6
594566.4375,115655.80469,33.5,399-4-10,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,33.5
594603.25,115492.60156,56.8,399-4-7,Uranium,HighRS,TU,GROUNDWATER WELL,R,1,0,56.8
594309.0625,115793.67188,24.9,399-3-11,Uranium,2010,TU,GROUNDWATER WELL,R,1,0,24.9
593124.375,117366.17969,2.36,699-S20-E10,Uranium,2012,TU,GROUNDWATER WELL,R,3,0,2.6
594114.125,115212.73438,10.5,699-S27-E14,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,10.5
592720.625,115332.32031,4.59,699-S27-E9A,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,4.59
593538.0625,115000.75,10.9,699-S28-E12,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,10.9
594750.5625,114731.05469,5.89,699-S29-E16A,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,5.89
592964.3125,114215.00781,28.05,699-S31-E10A,Uranium,2012,TU,GROUNDWATER WELL,R,2,0,31.8
592251.75,113933.51563,9.81,699-S31-E8A,Uranium,2012,TU,GROUNDWATER WELL,R,1,0,9.81
592948.8125,113043.94531,7.83,699-S34-E10,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,7.83
594216,112168.60156,0.667,699-S37-E14,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,0.667
593153.875,111891.52344,7.58,699-S38-E11,Uranium,2011,TU,GROUNDWATER WELL,R,1,0,7.58
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05  130.0   0.0   0.0               \it,cc,ang1,ang2,ang3
    900.   600.    0.0               \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809   0.25    2.83E-08   3
  30    300   3000
TRANSFORM LOG BACK
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
592964.3125,114215.00781,24.3,699-S31-E10A,Uranium,LowRS,TU,GROUNDWATER WELL,R,1,0,24.3
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REM 594638.0625,115642.0469,34.3,C6350,Uranium,LowRS,TU,AQUIFER TUBE,R,1,0,34.3
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Appendix D: COI Plume Maps

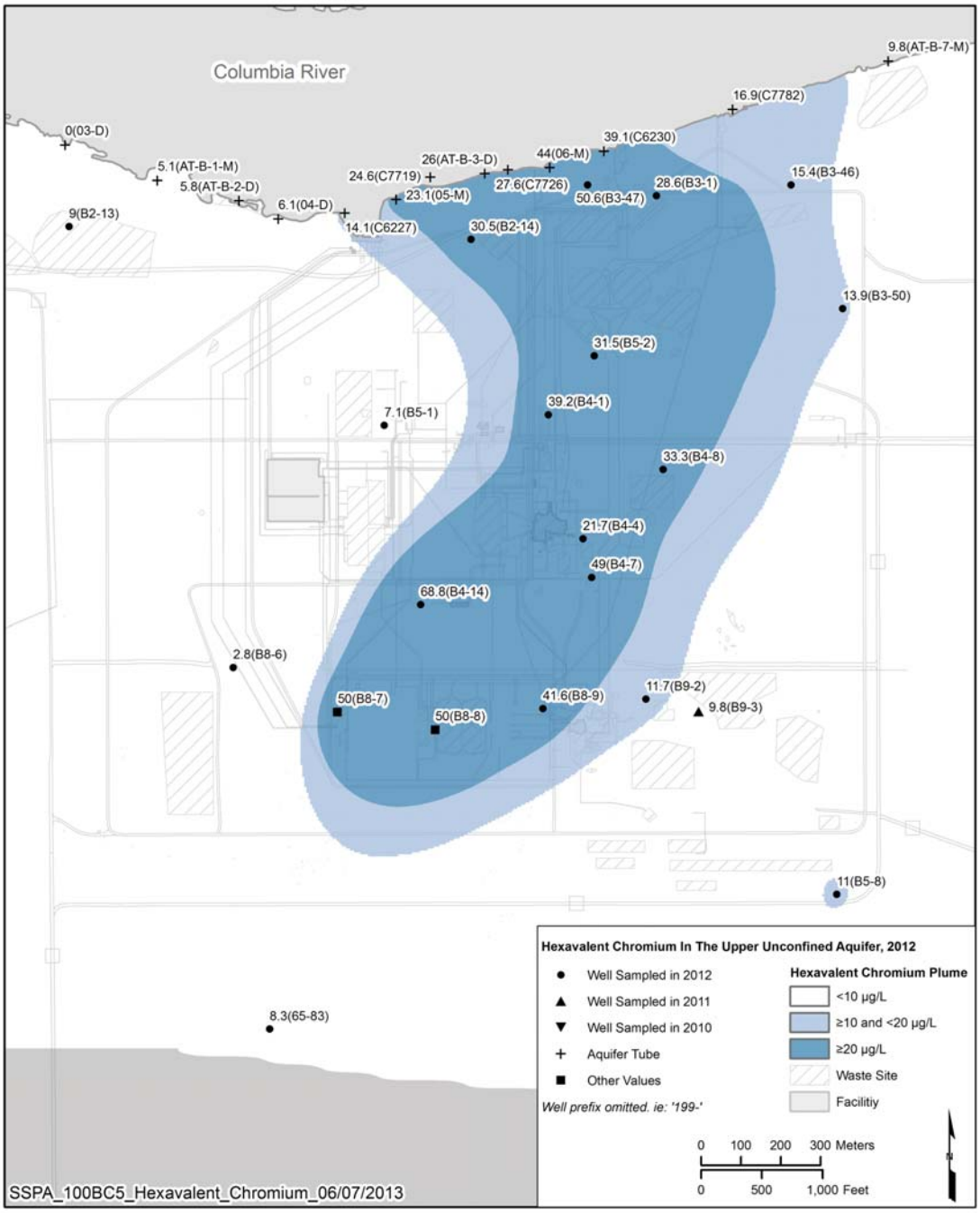

Figure D.1. Hexavalent Chromium in 100-BC-5

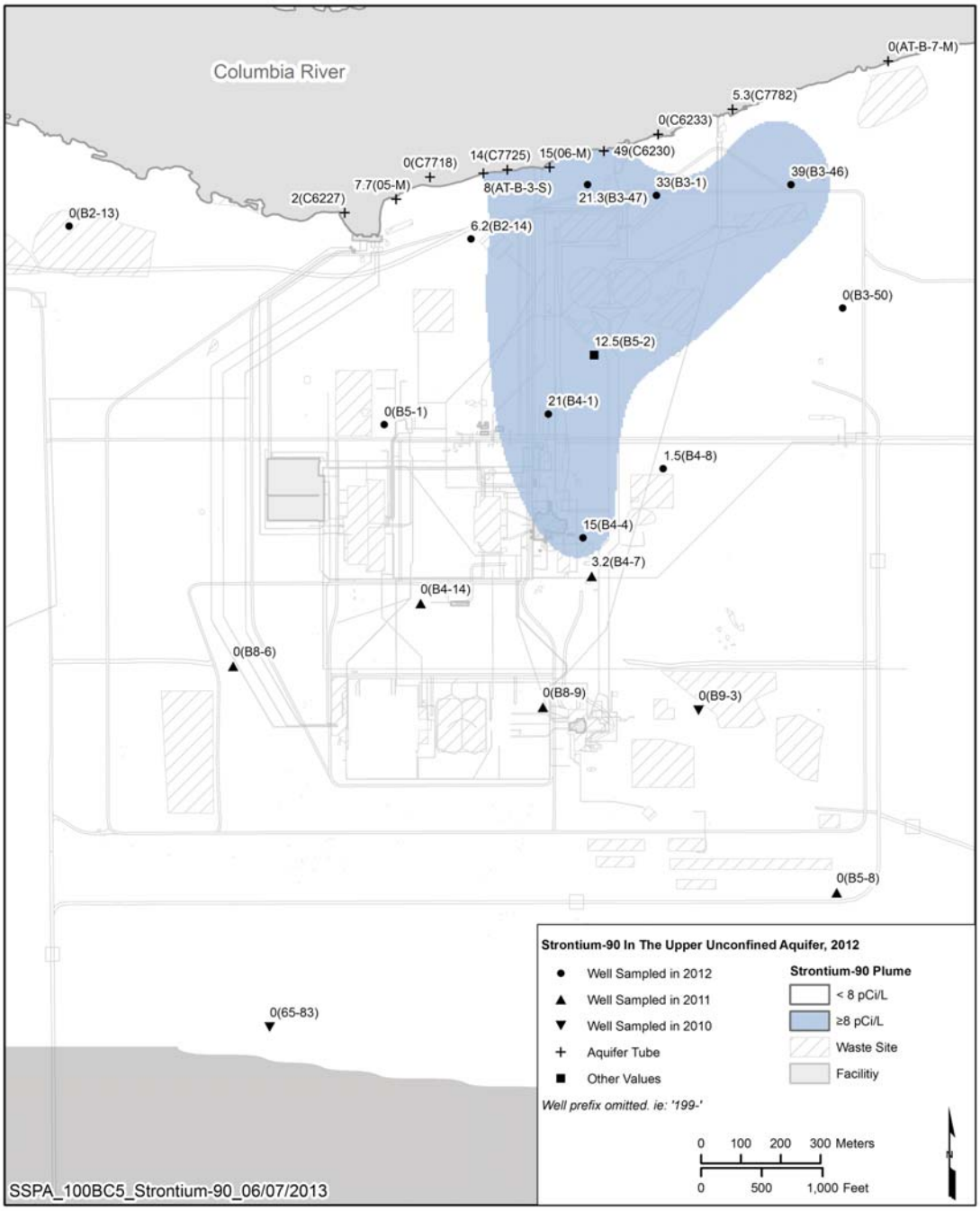

Figure D.2. Strontium-90 in 100-BC-5

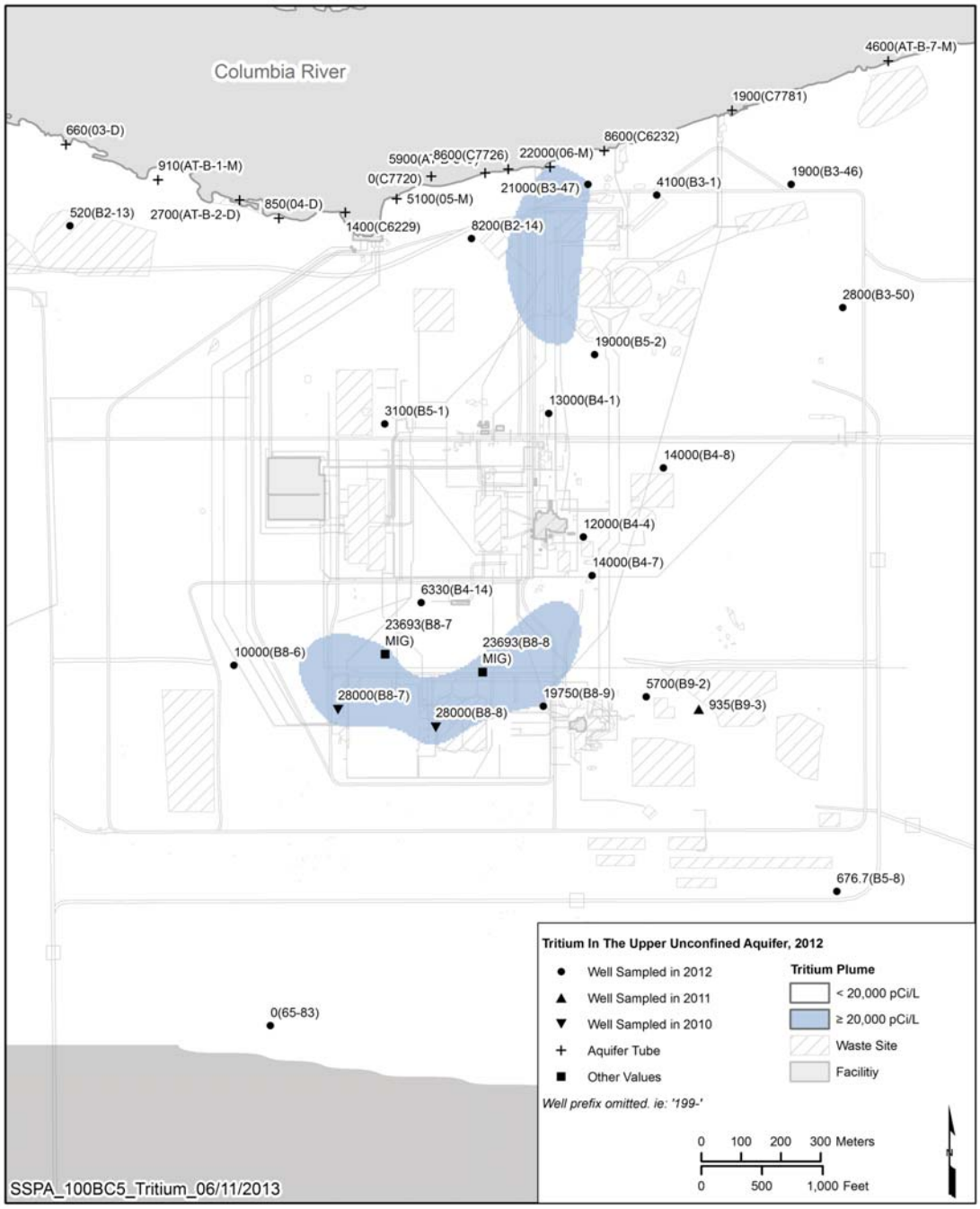

Figure D.3. Tritium in 100-BC-5

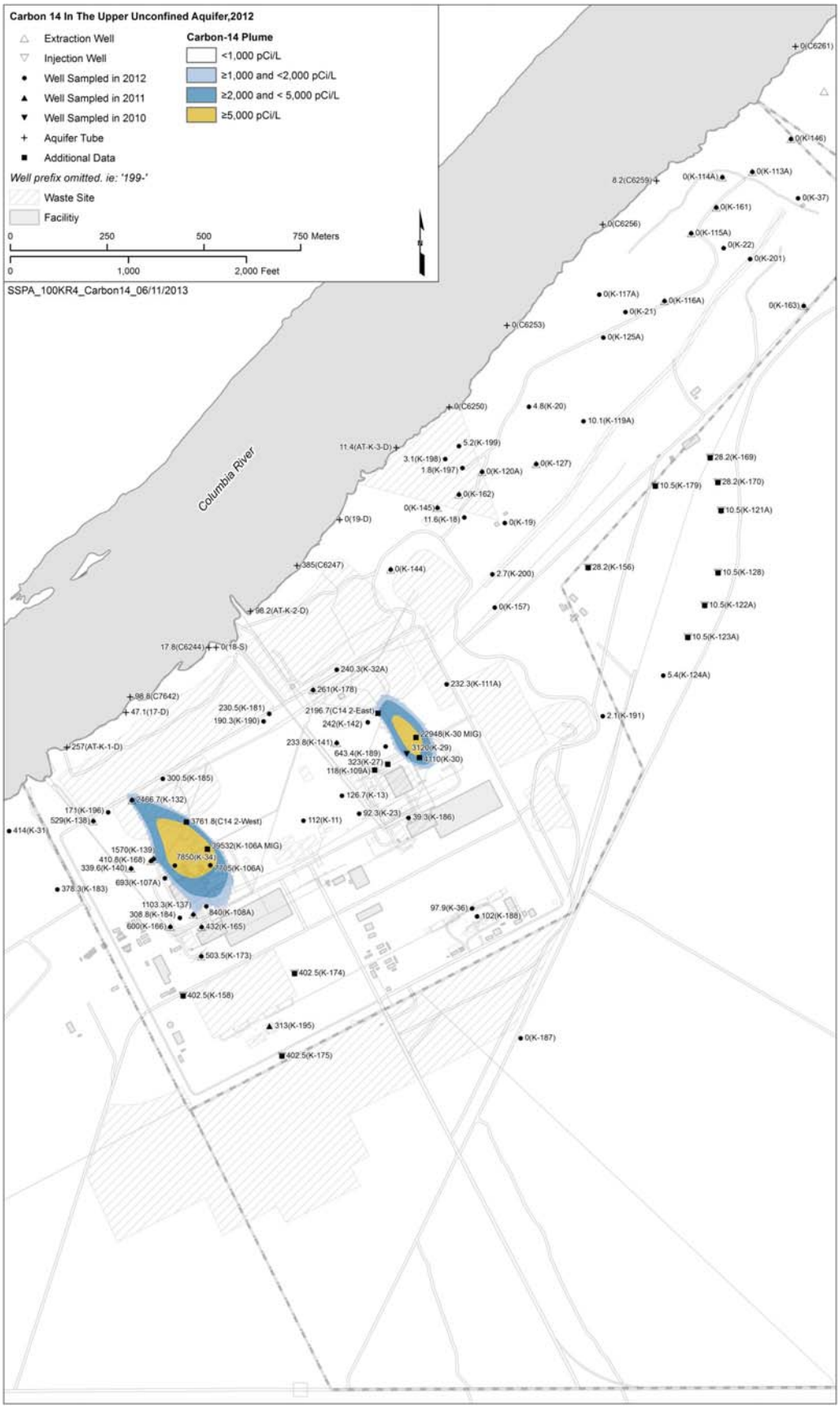

Figure D.4. Carbon-14 in 100-KR-4

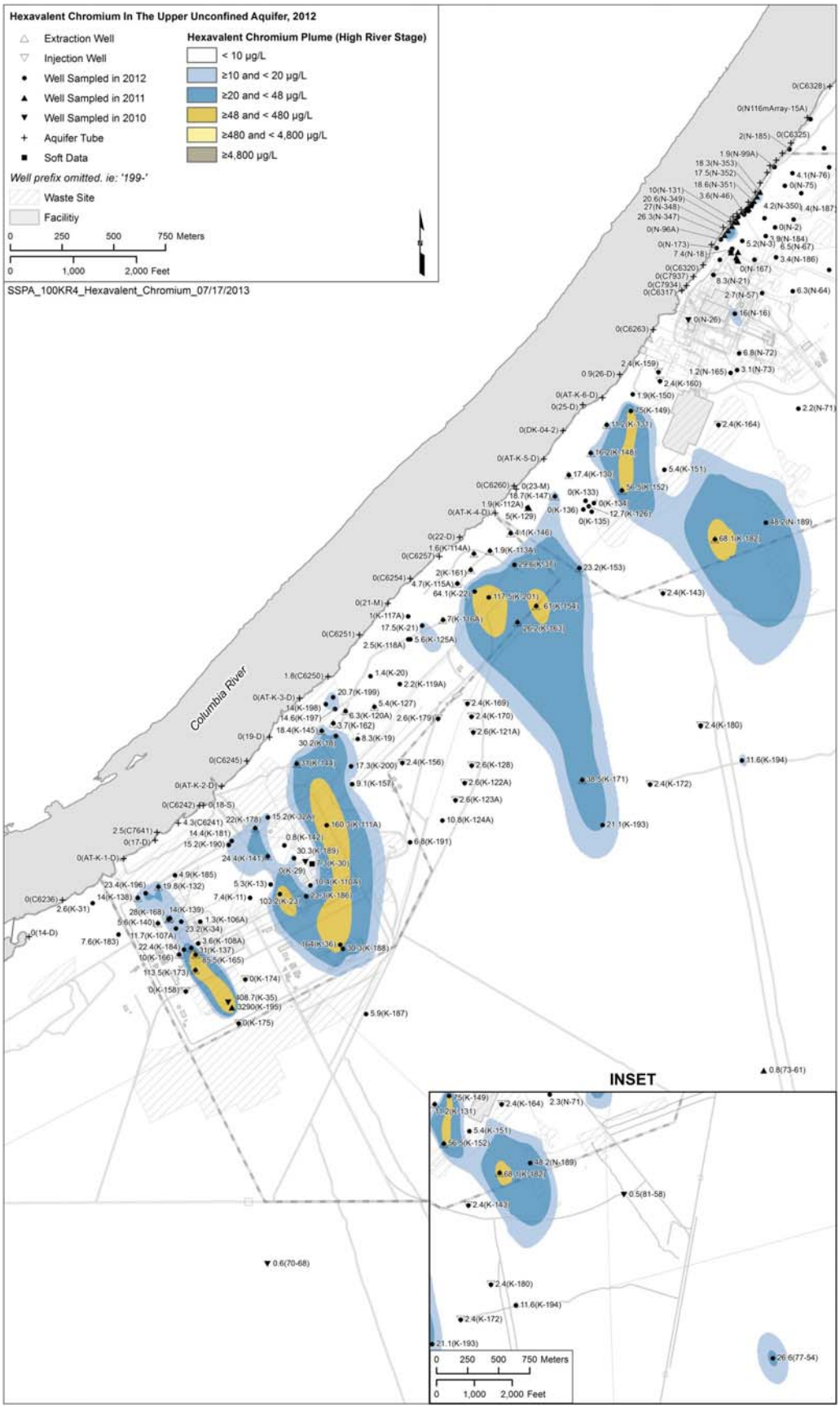

Figure D.5. Hexavalent Chromium in 100-KR-4 – High River Stage

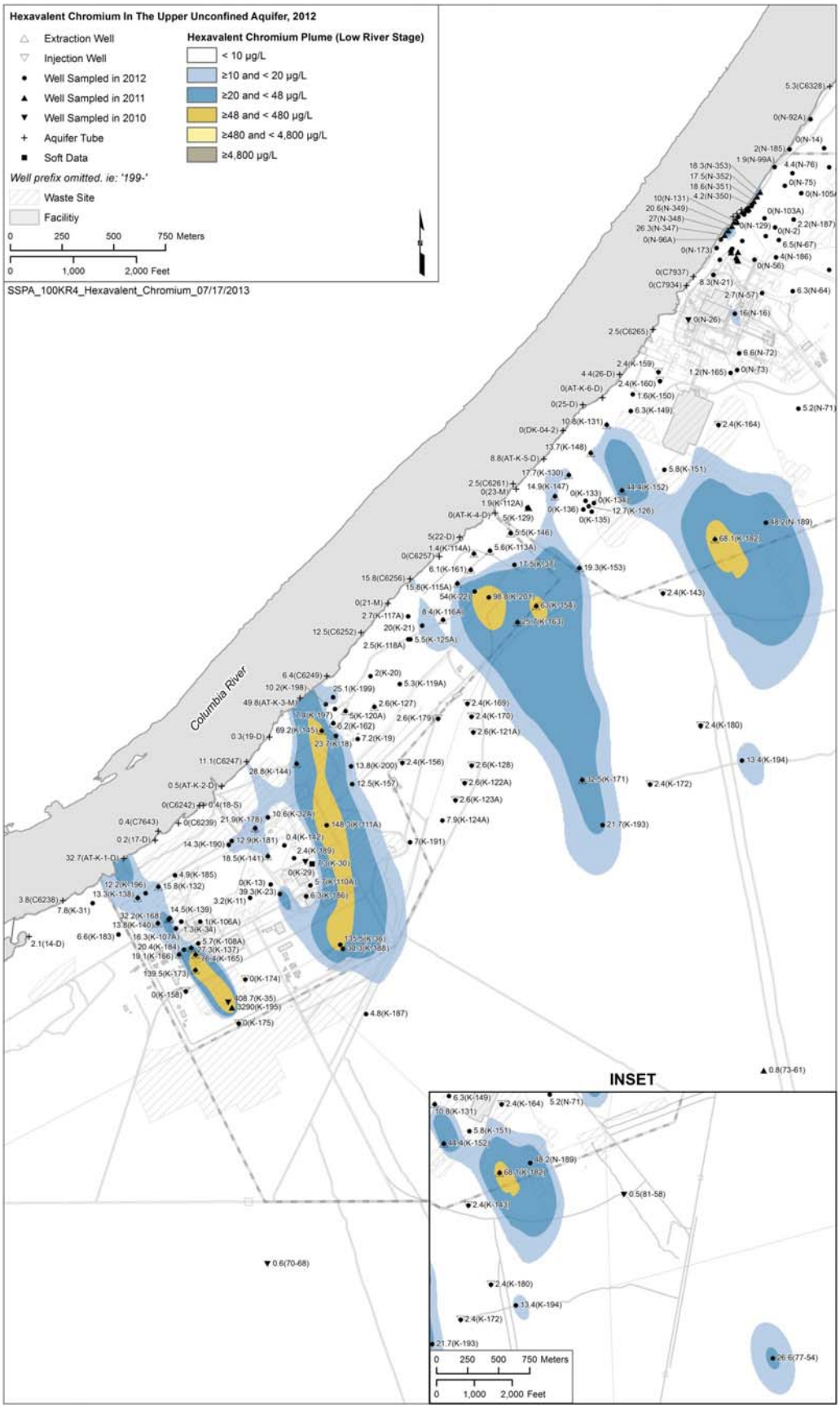

Figure D.6. Hexavalent Chromium in 100-KR-4 – Low River Stage

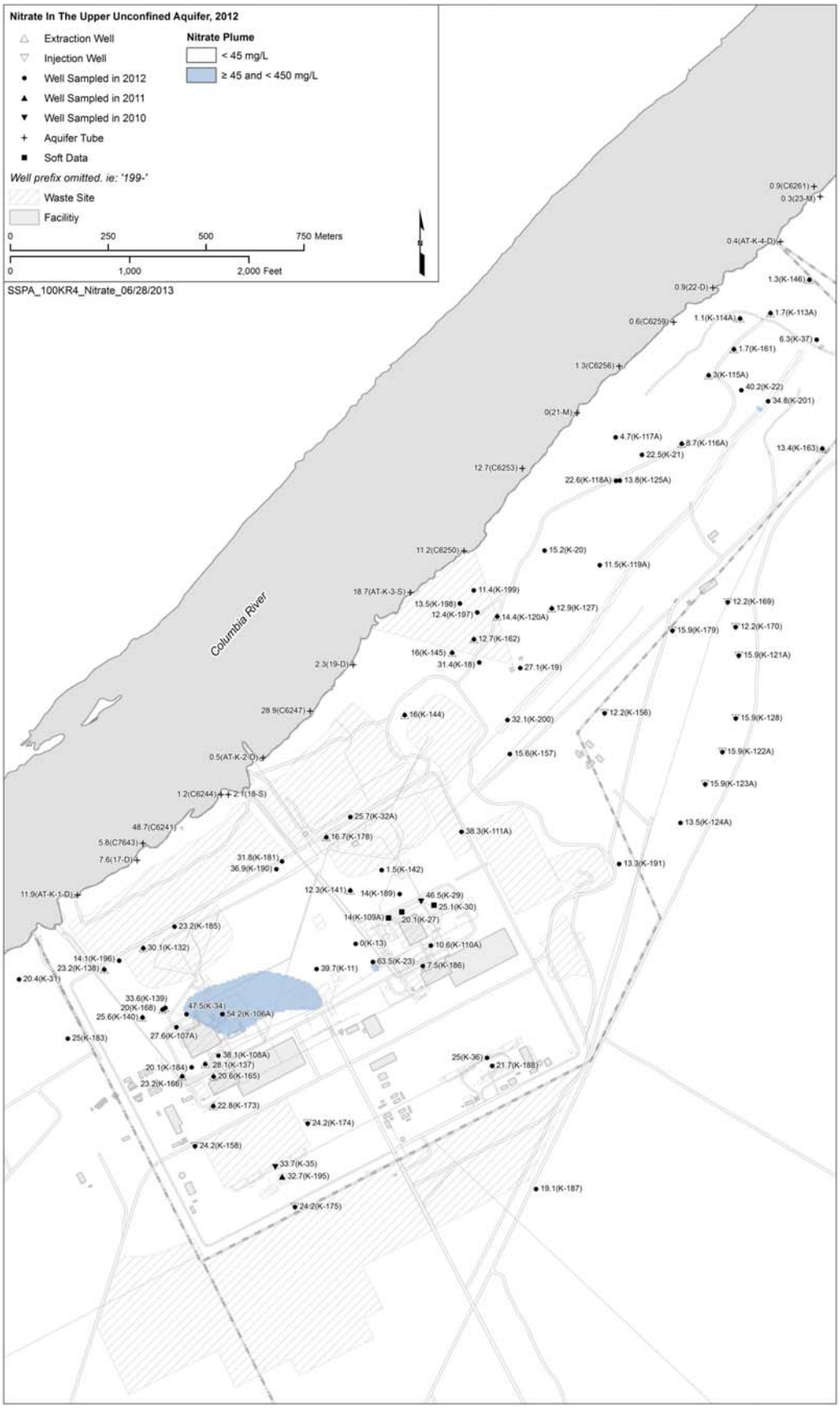

Figure D.7. Nitrate in 100-KR-4

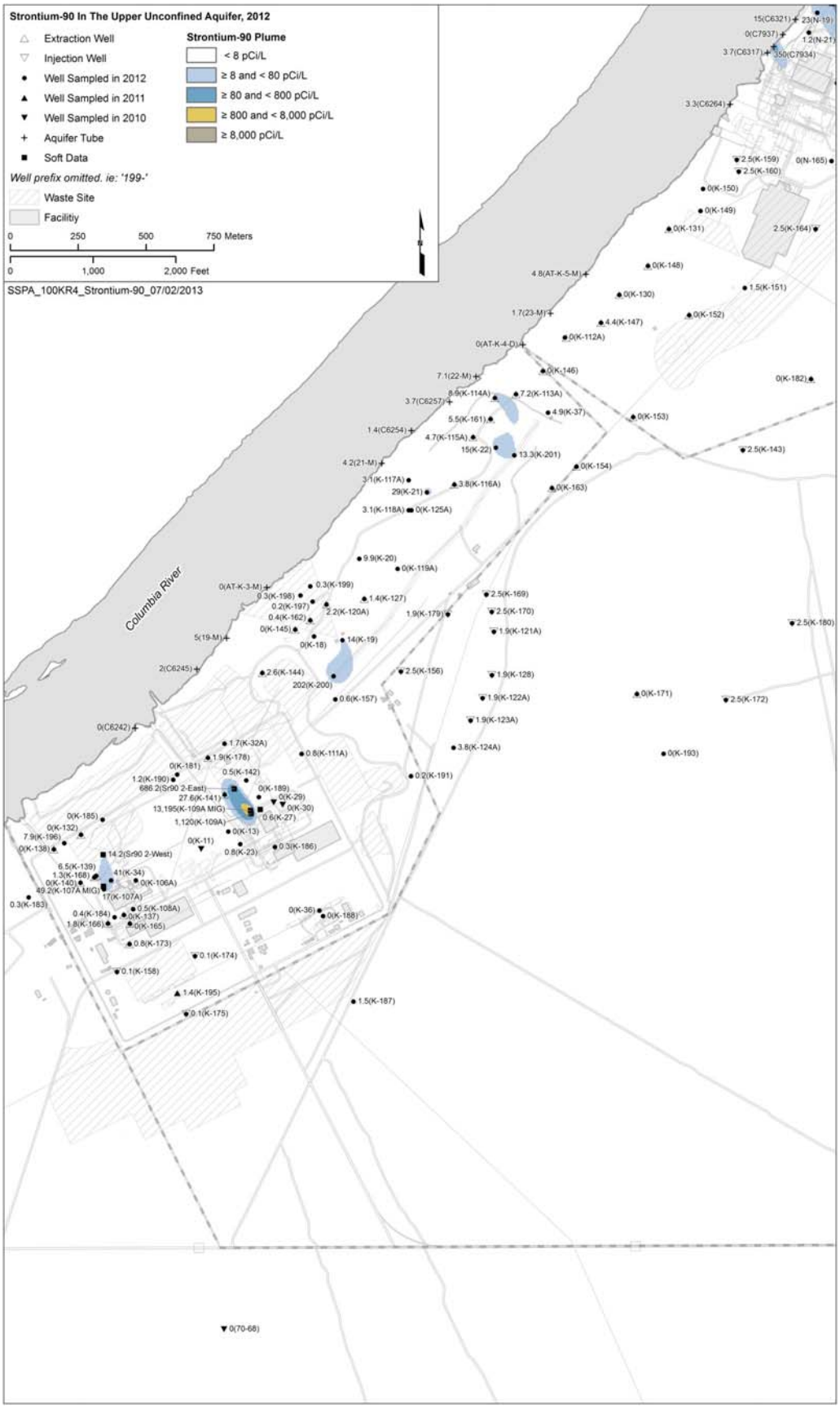

Figure D.8. Strontium-90 in 100-KR-4

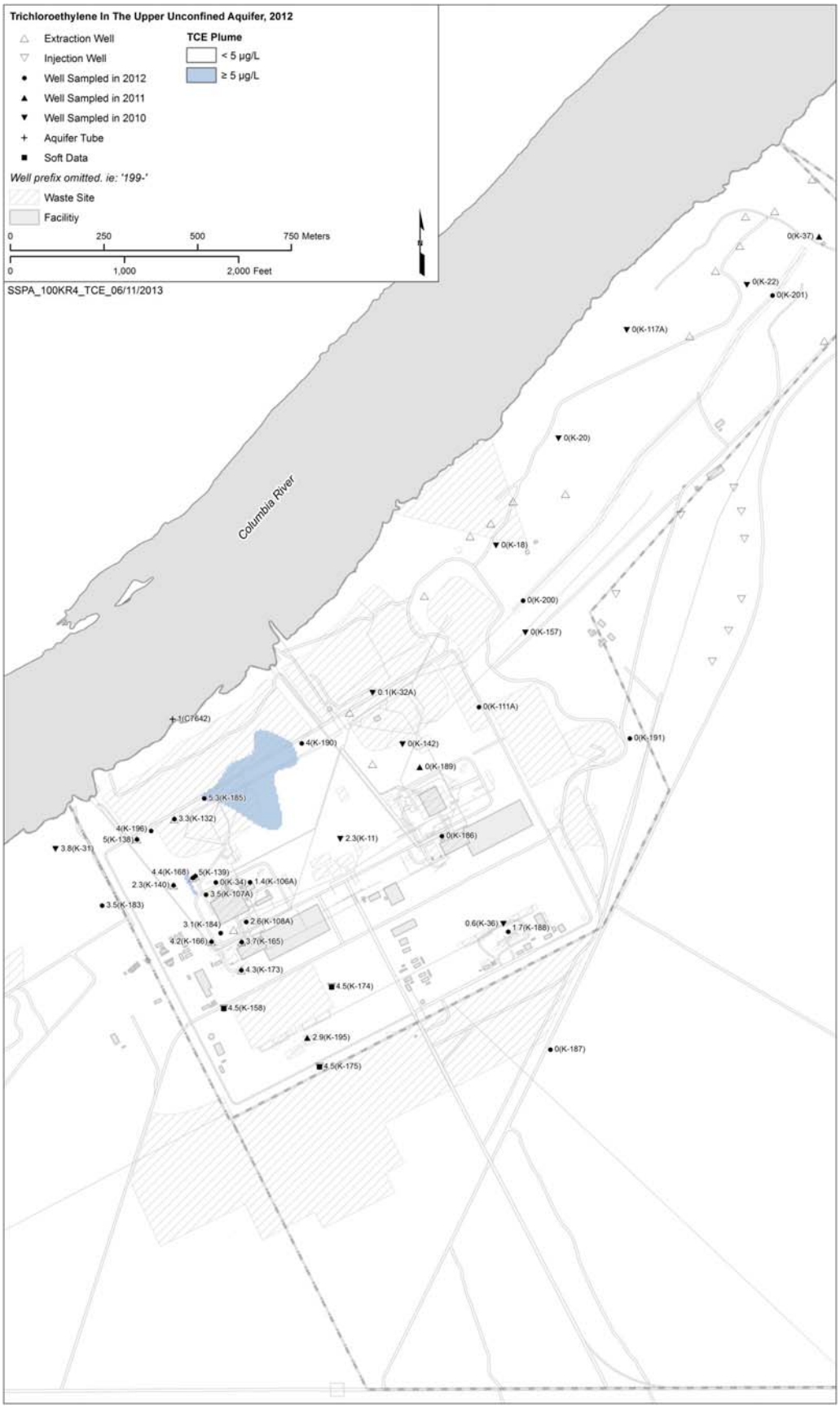

Figure D.9. TCE in 100-KR-4

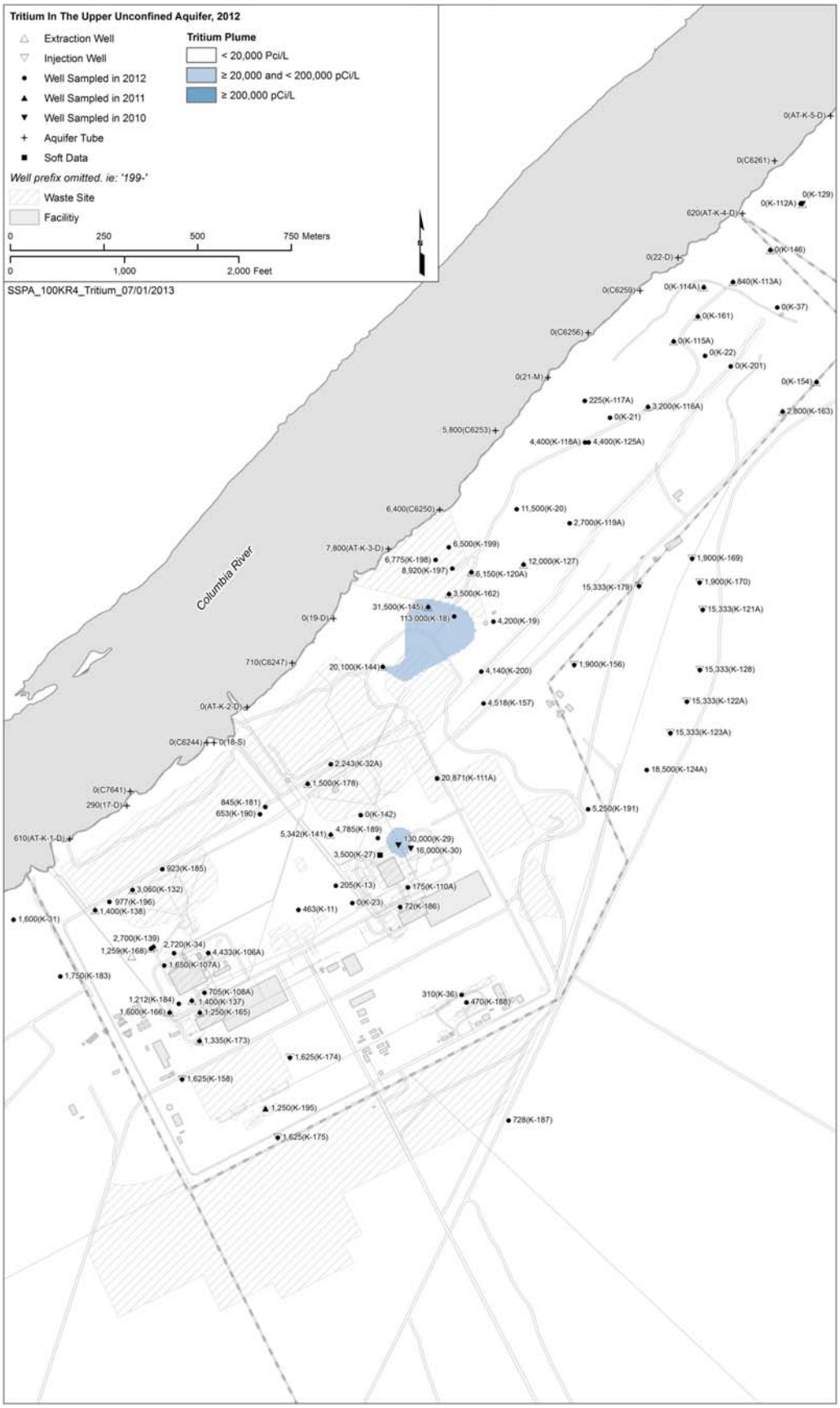

Figure D.10. Tritium in 100-KR-4

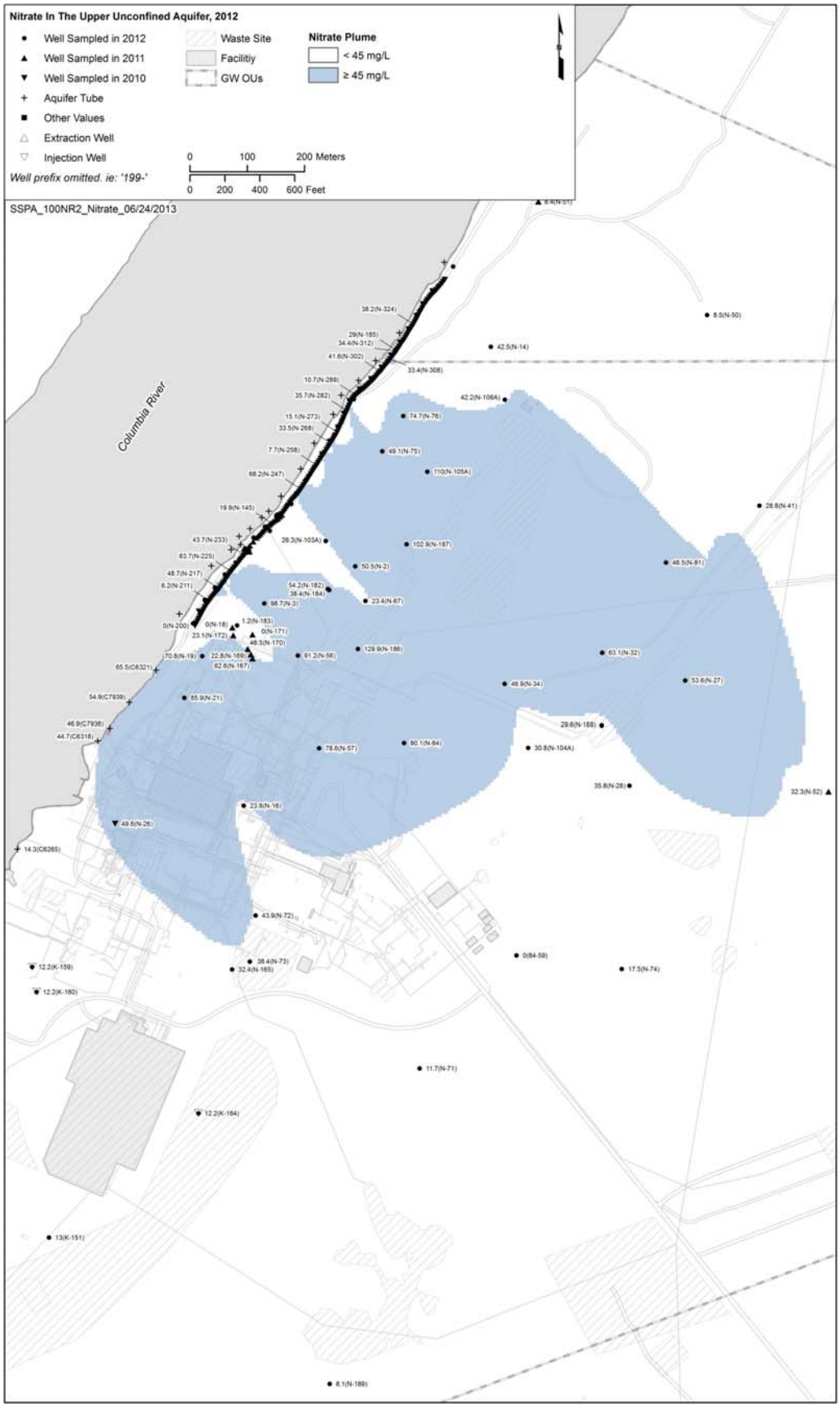

Figure D.11. Nitrate in 100-NR-2

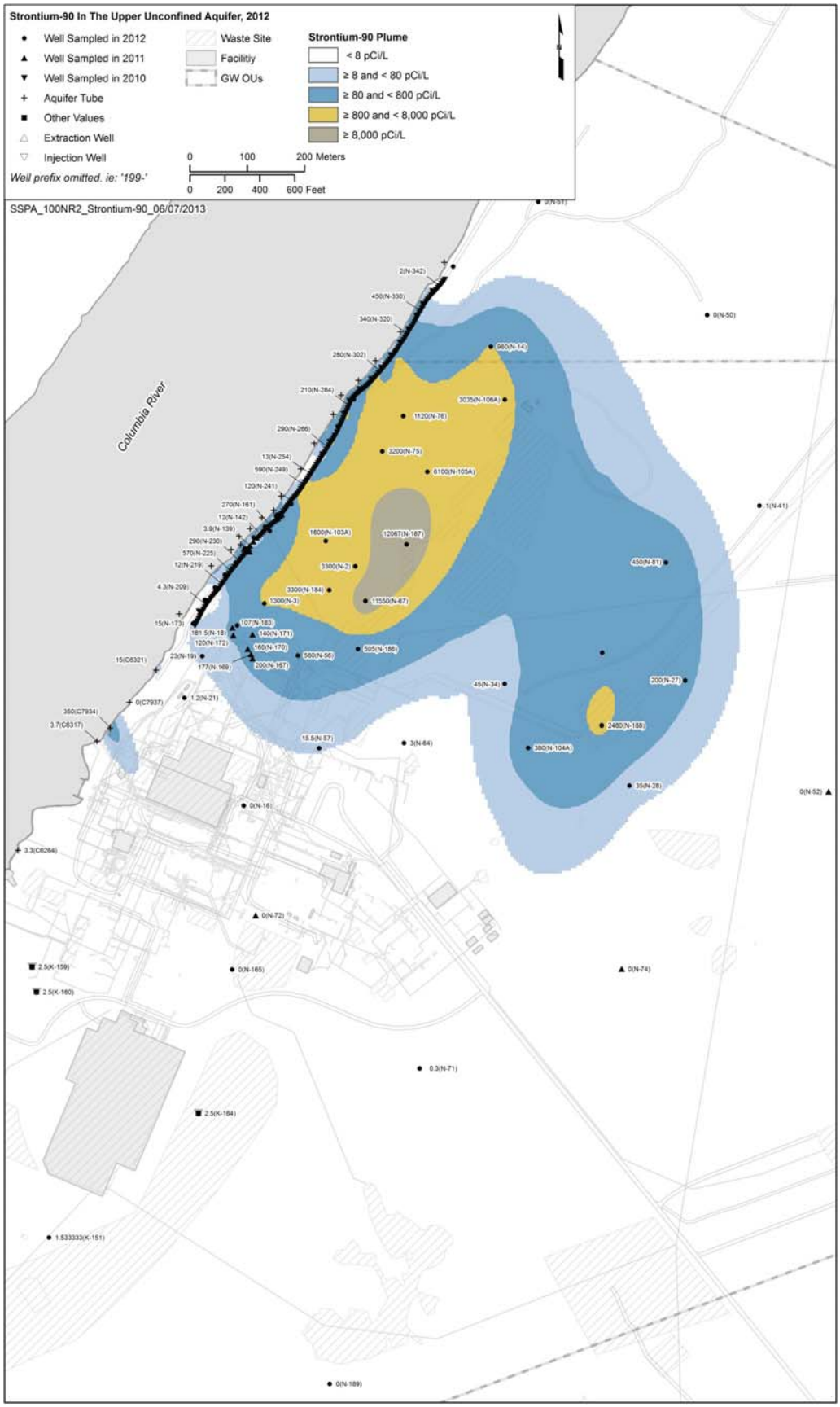

Figure D.12. Strontium-90 in 100-NR-2

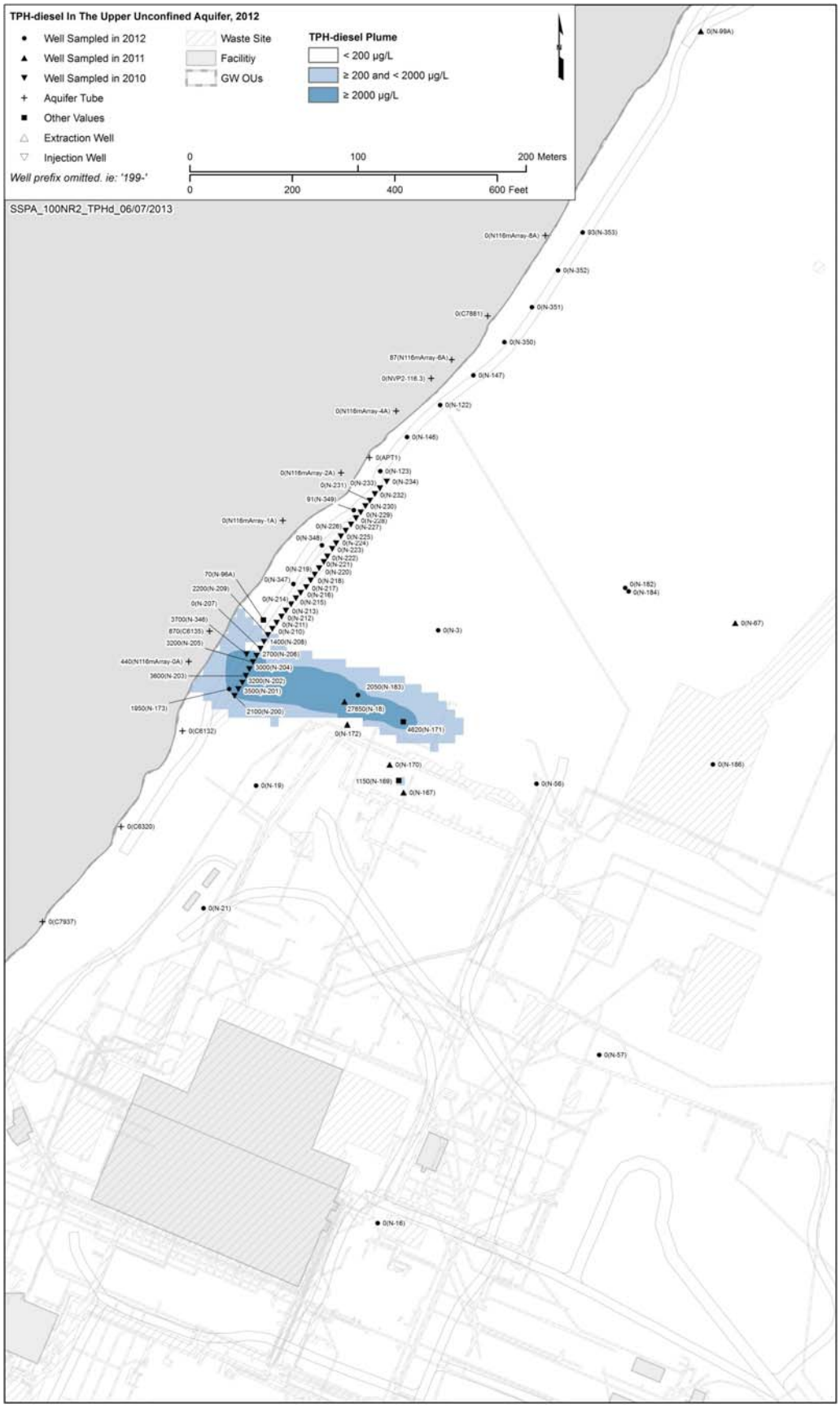

Figure D.13. TPHd in 100-NR-2

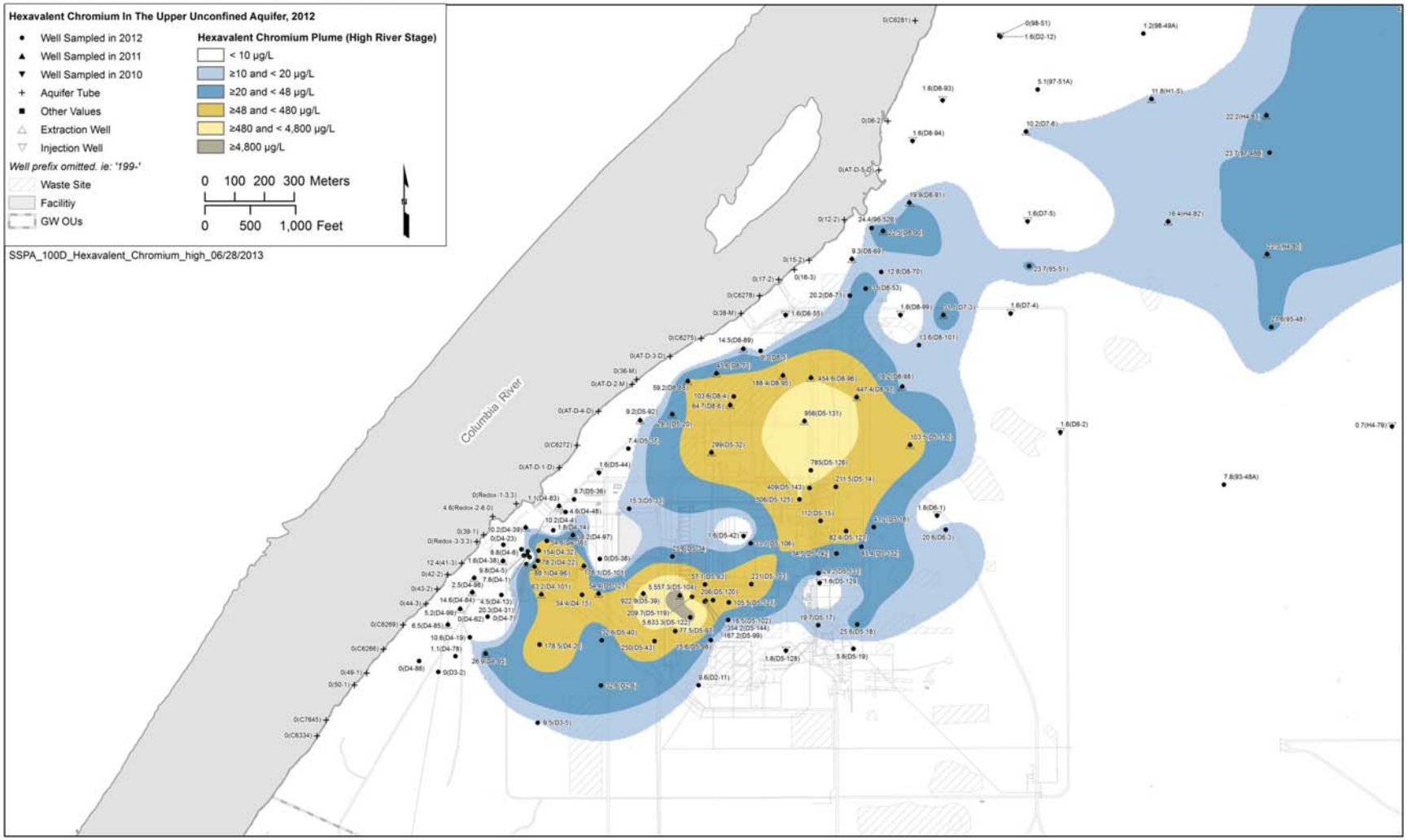

Figure D.14. Hexavalent Chromium in 100-HR-3-D – High River Stage

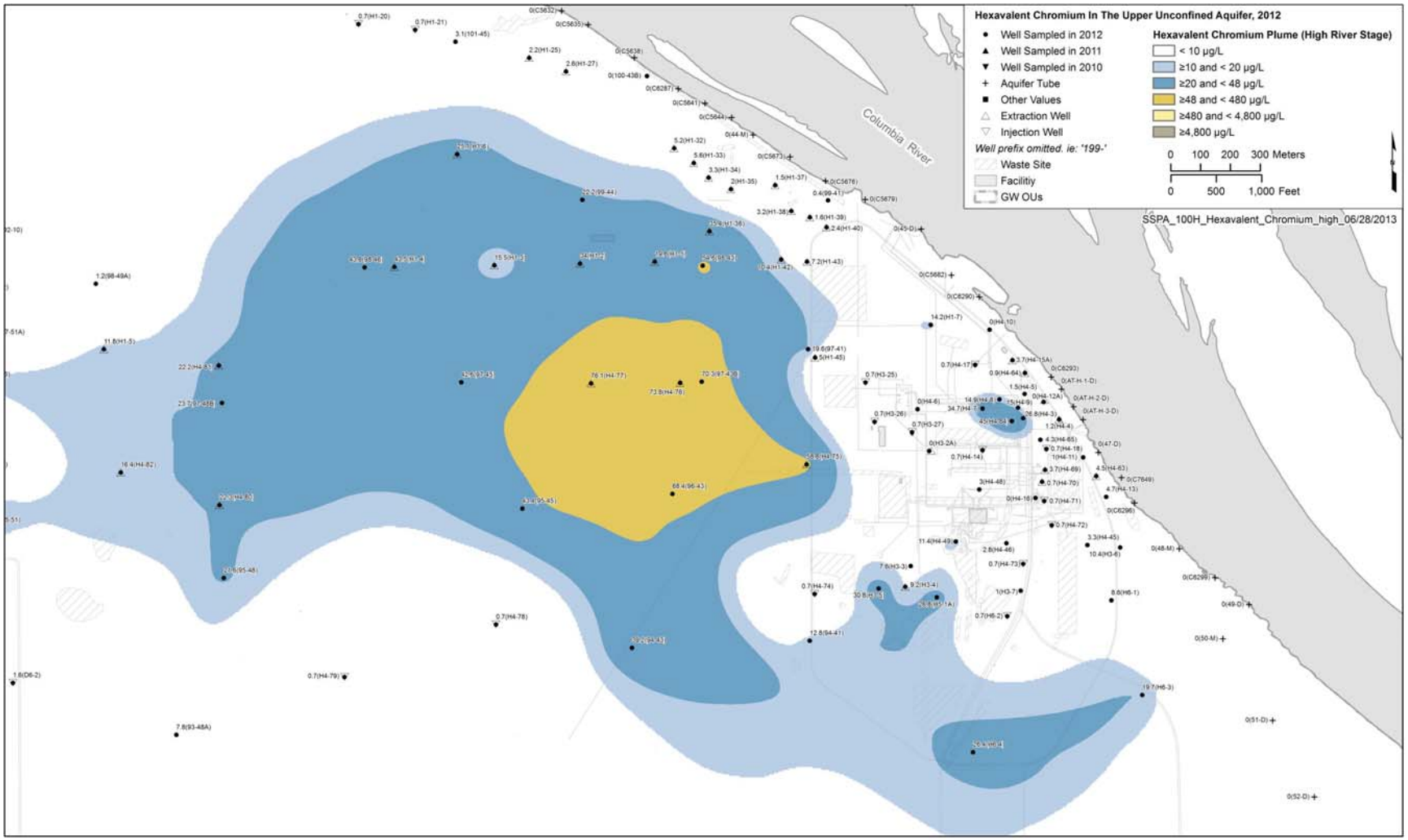

Figure D.15. Hexavalent Chromium in 100-HR-3-H – High River Stage

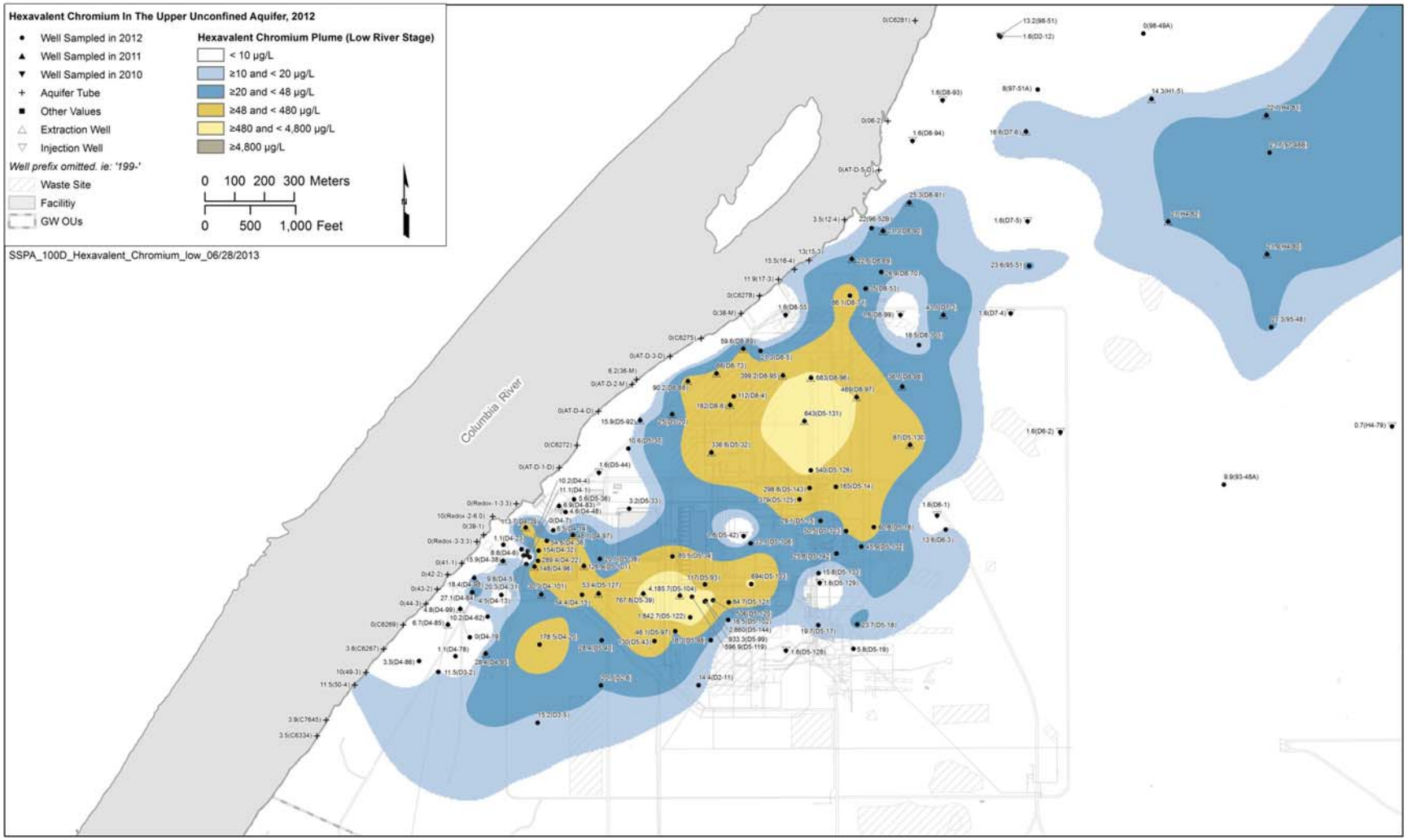

Figure D.16. Hexavalent Chromium in 100-HR-3-D – Low River Stage

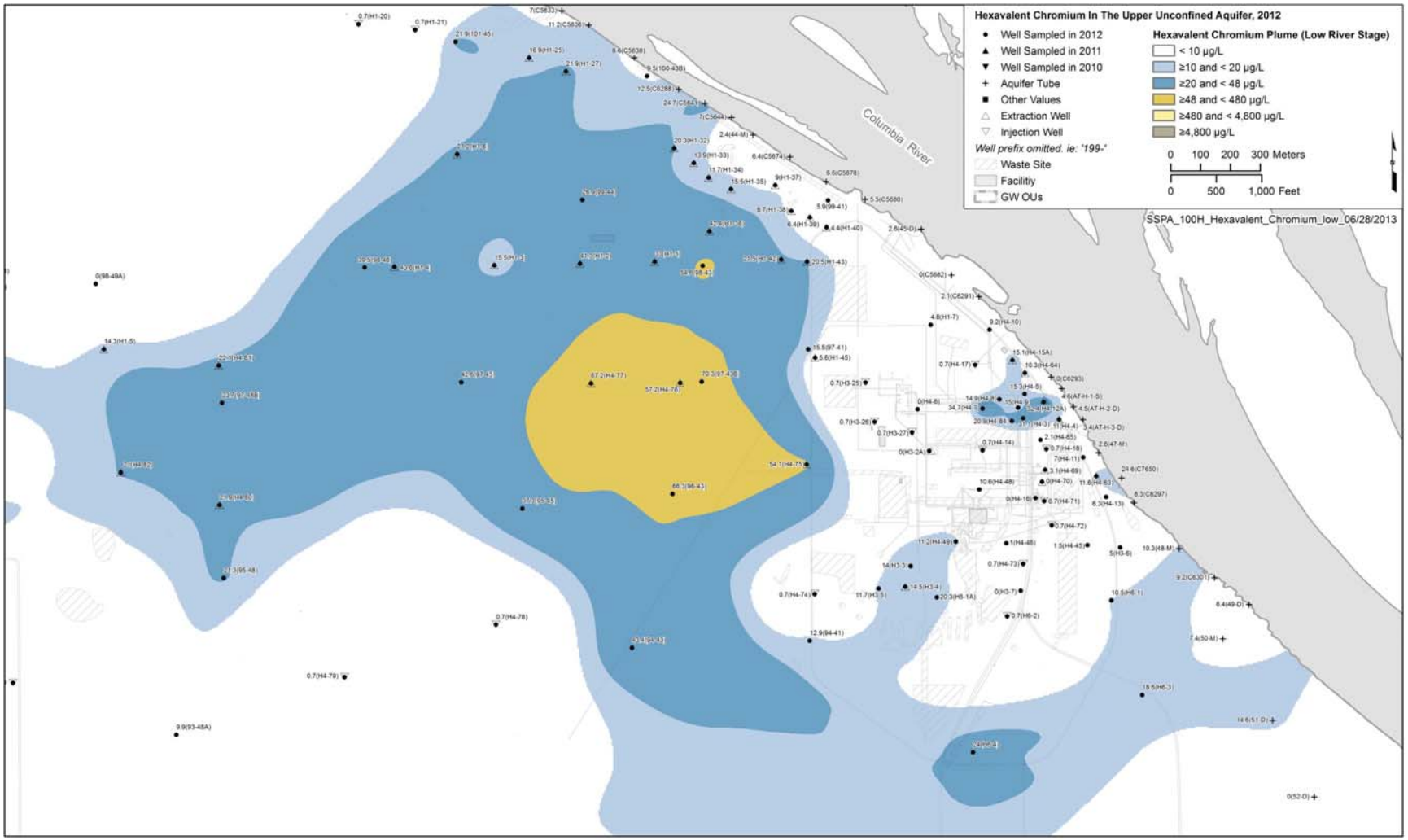

Figure D.17. Hexavalent Chromium in 100-HR-3-H – Low River Stage

Figure D.18. Nitrate in 100-HR-3-D

Figure D.19. Nitrate in 100-HR-3-H

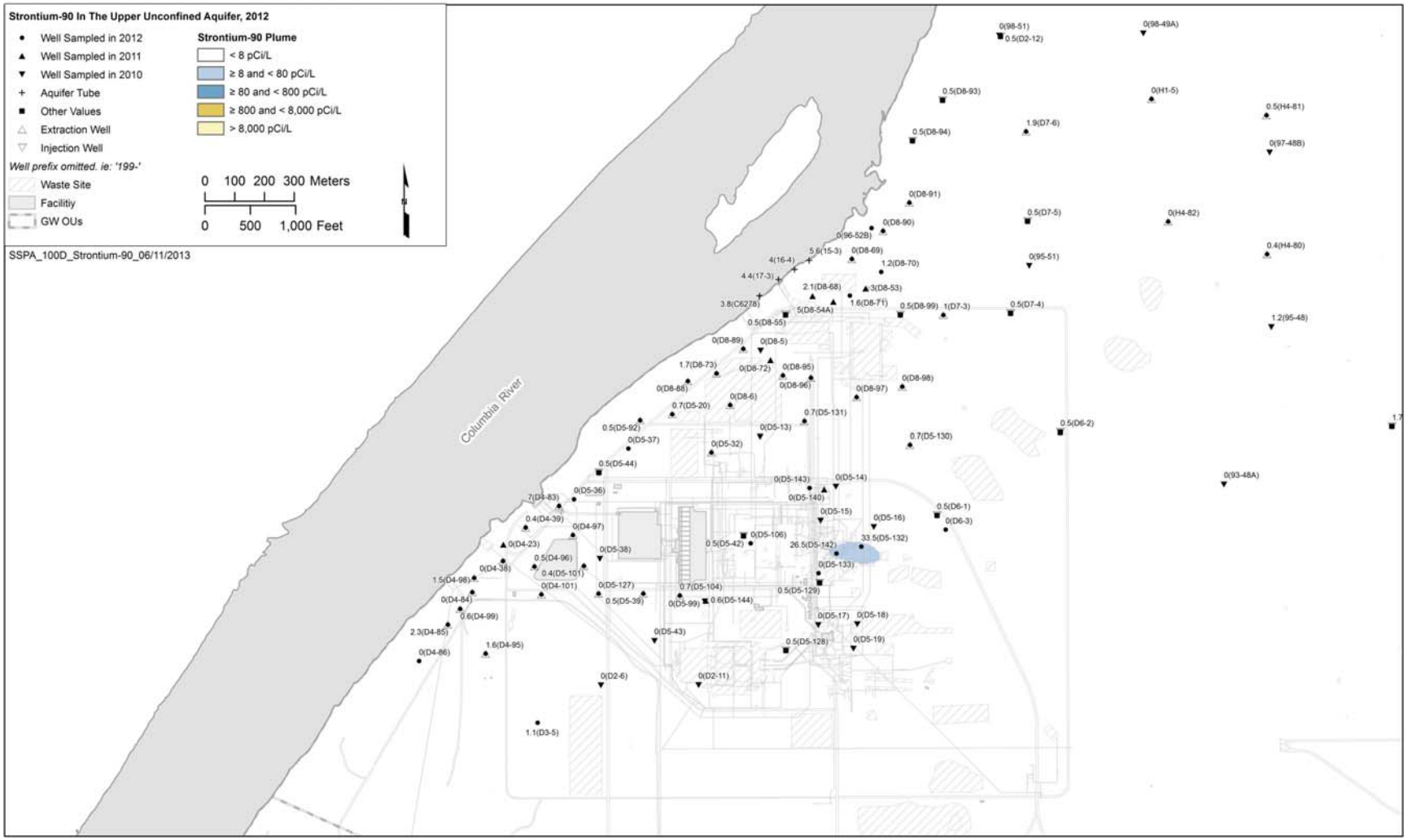

Figure D.20. Strontium-90 in 100-HR-3-D

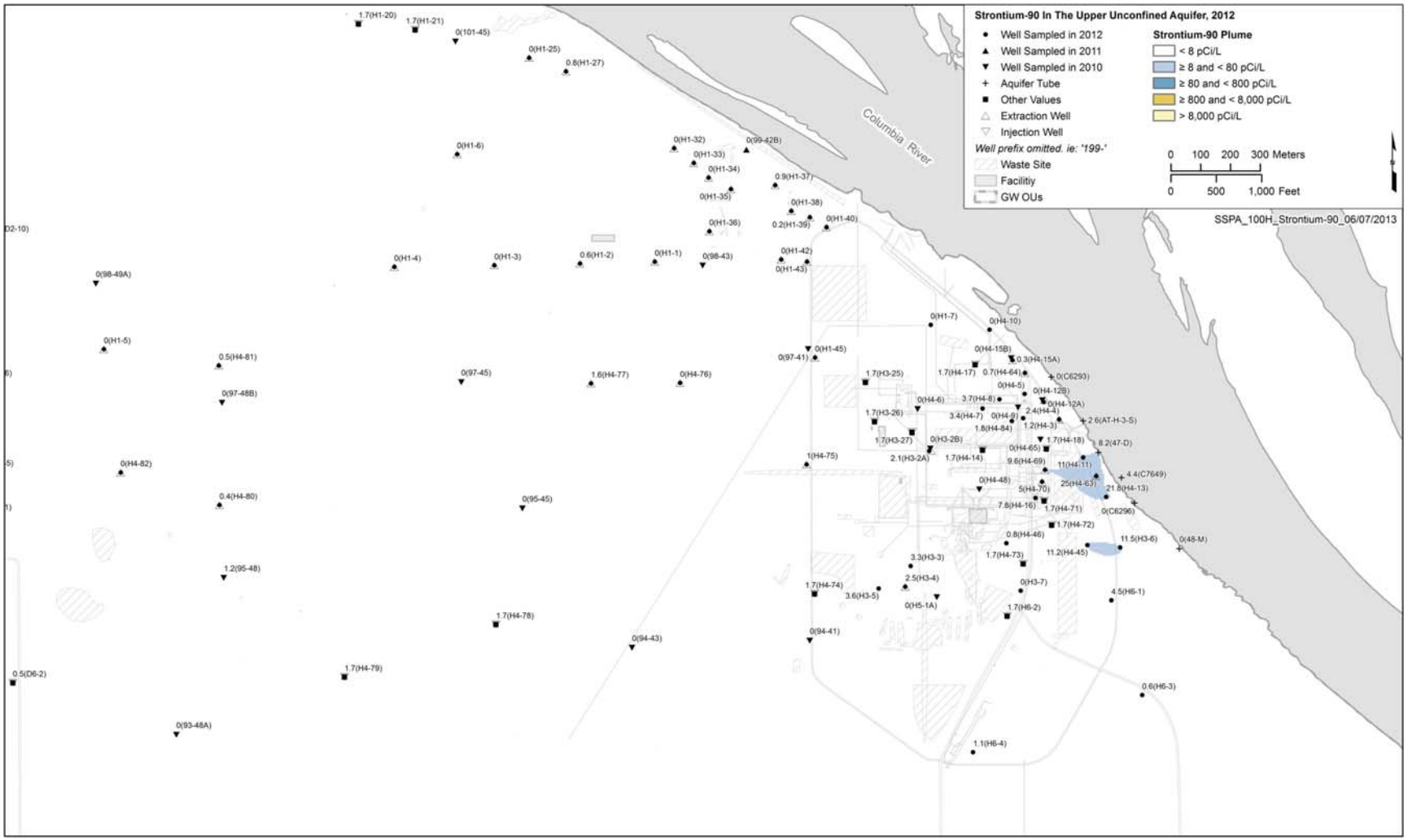

Figure D.21. Strontium-90 in 100-HR-3-H

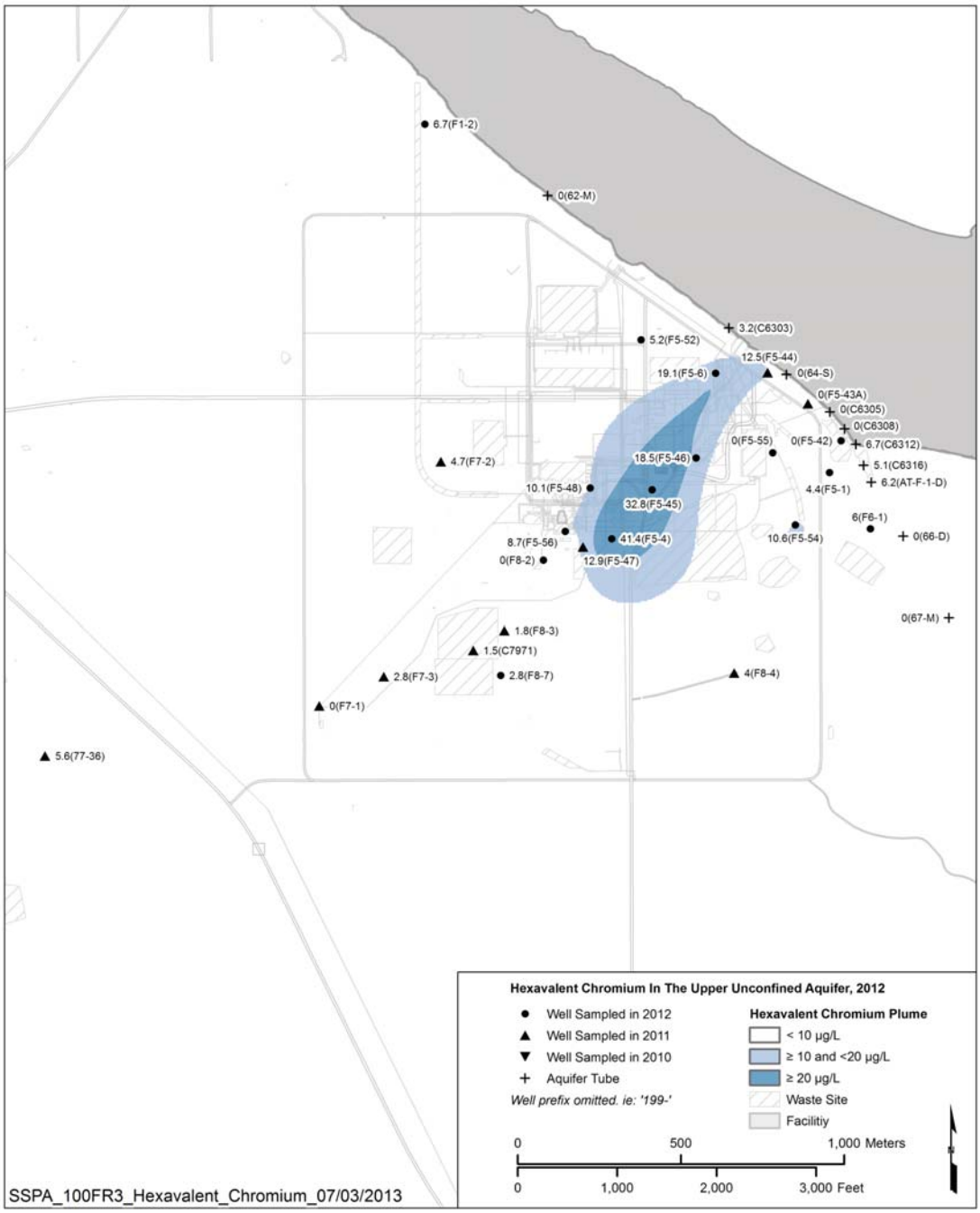

Figure D.22. Hexavalent Chromium in 100-FR-3

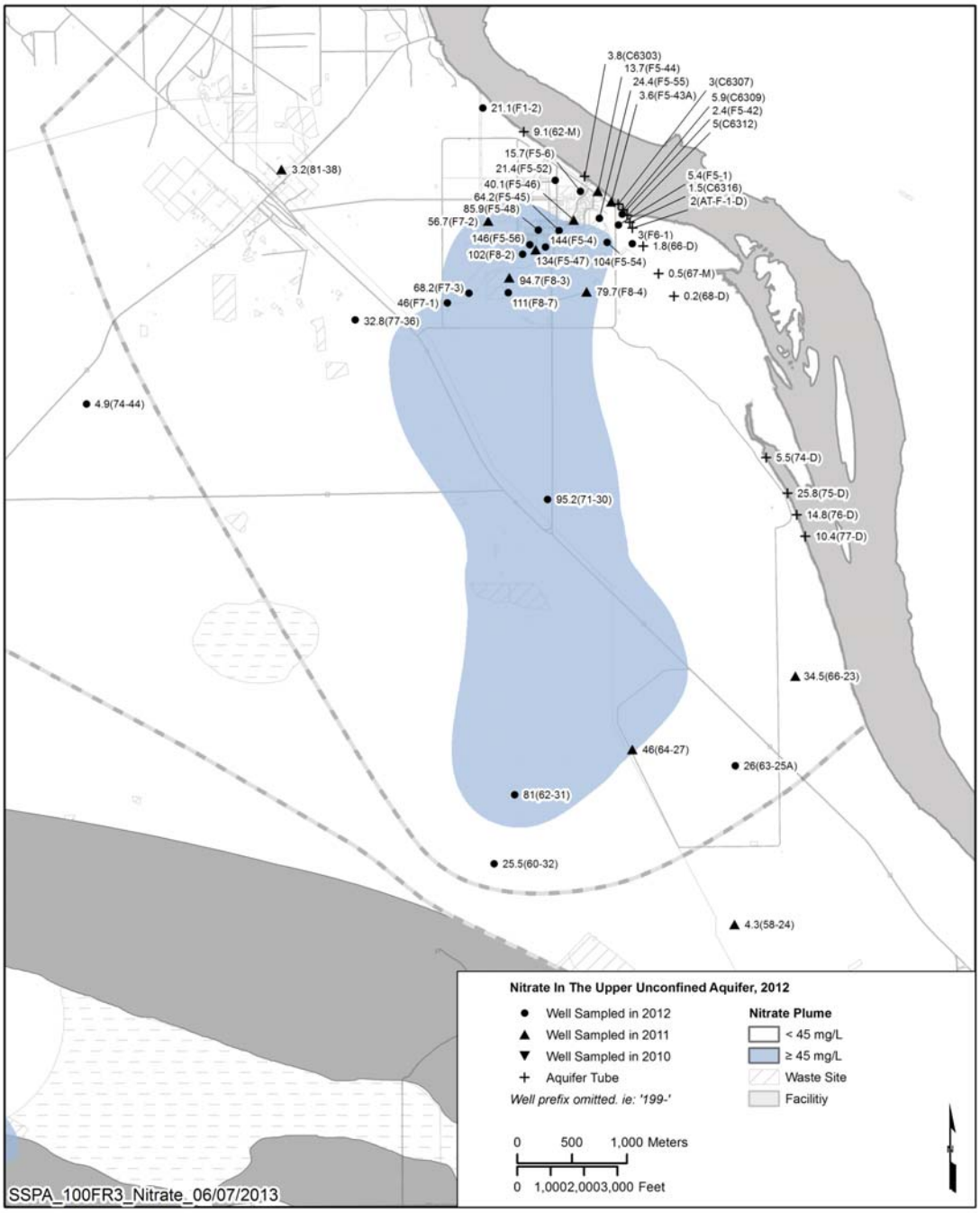

Figure D.23. Nitrate in 100-FR-3

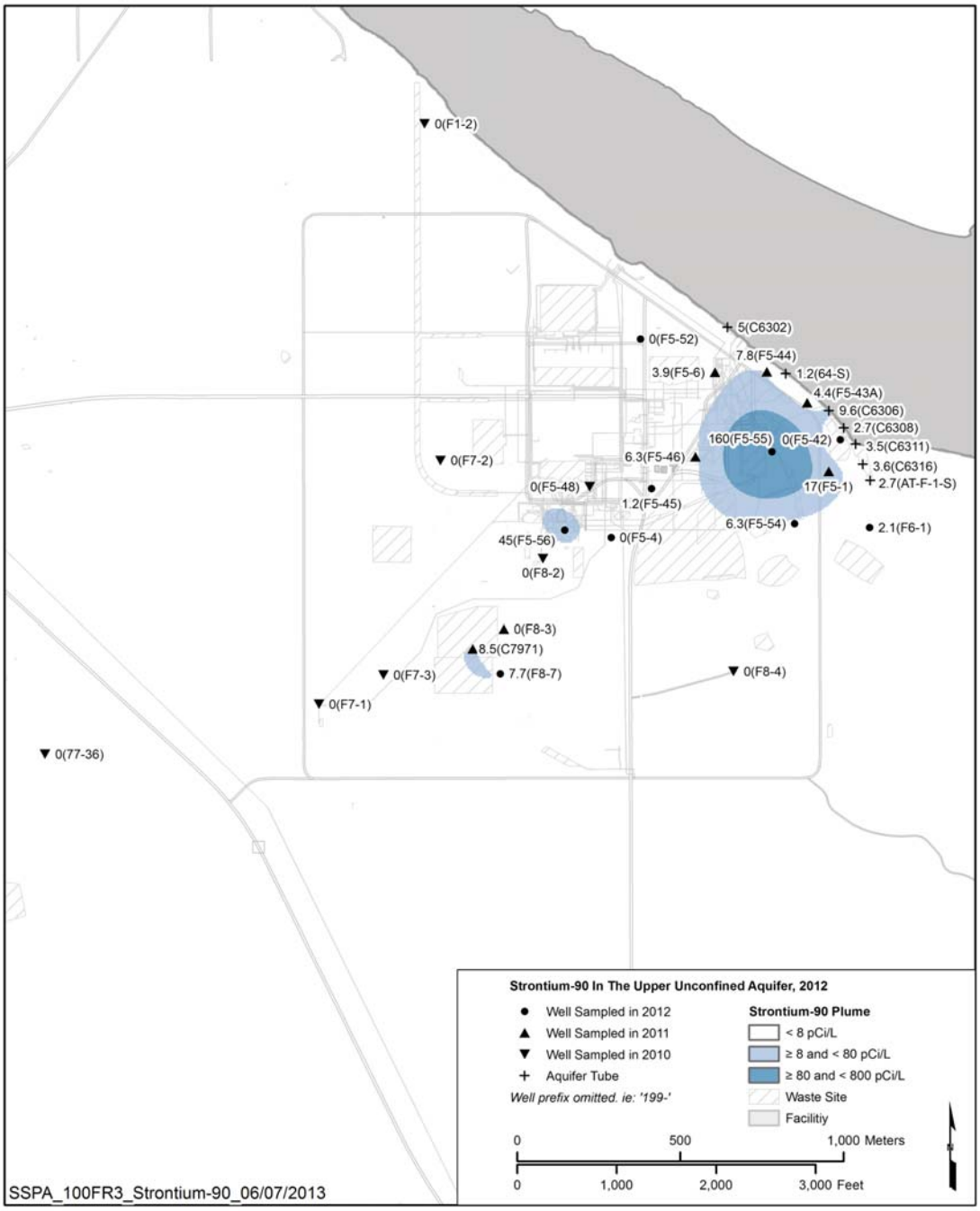

Figure D.24. Strontium-90 in 100-FR-3

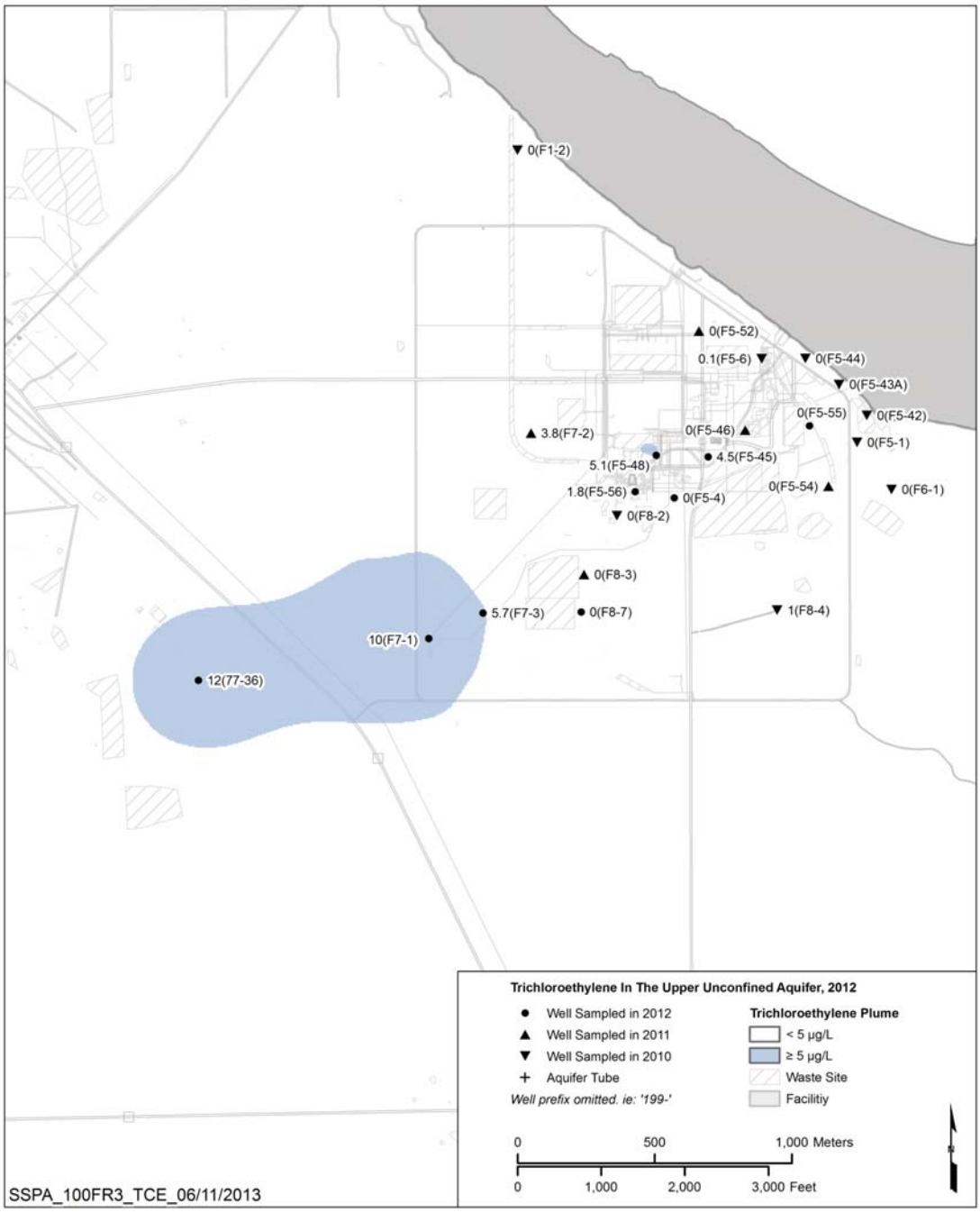

Figure D.25. TCE in 100-FR-3

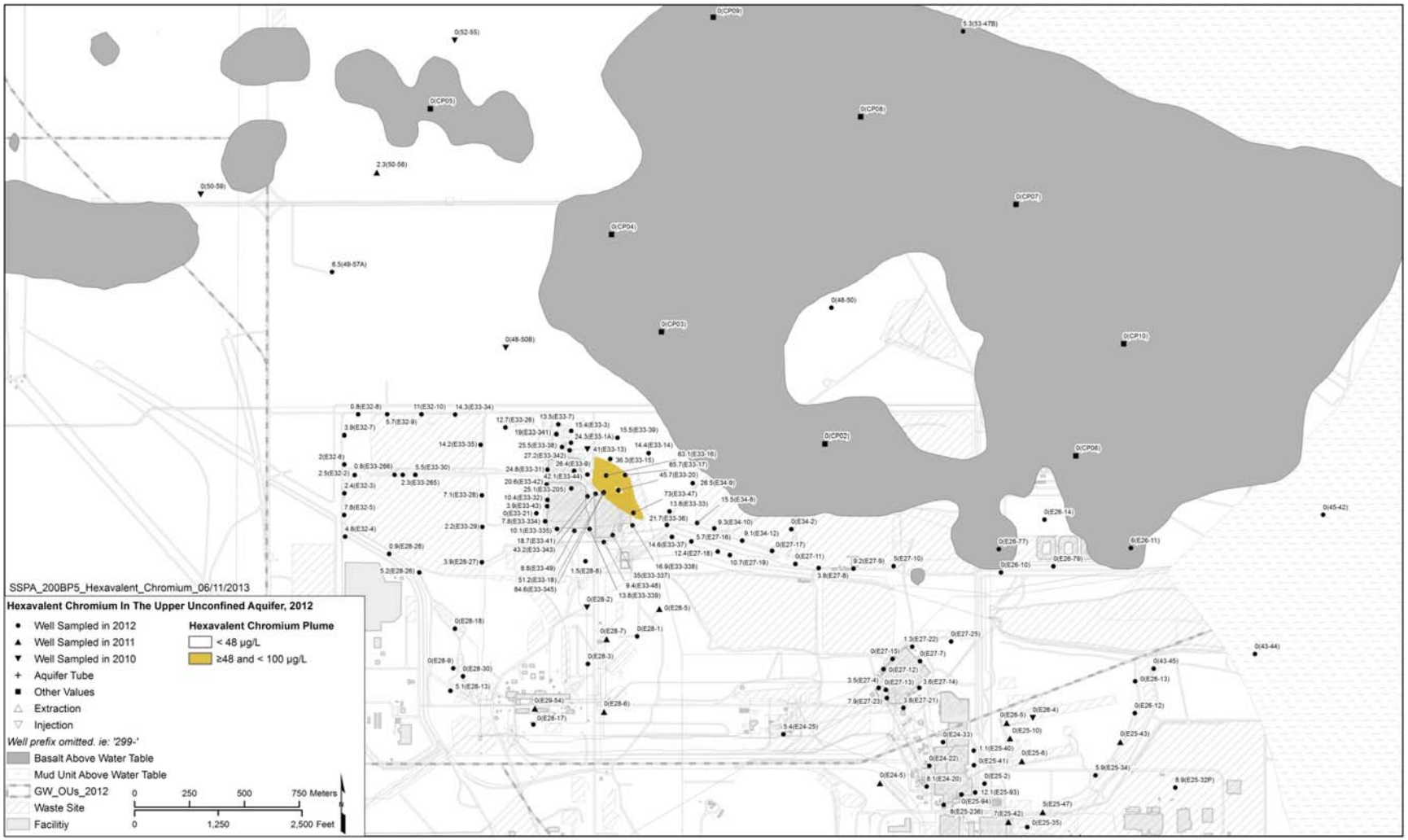

Figure D.26. Hexavalent Chromium in 200-BP-5

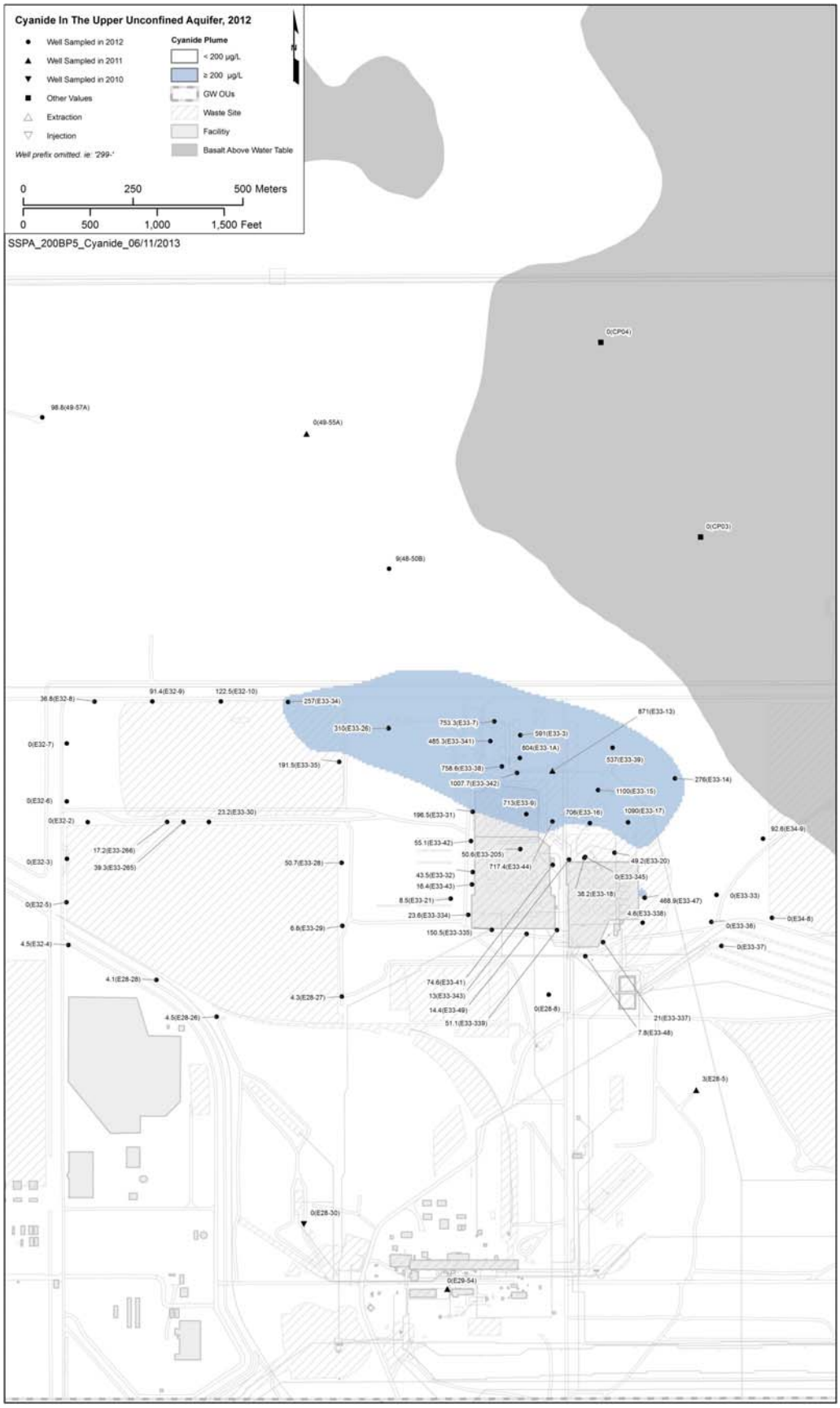

Figure D.27. Cyanide in 200-BP-5

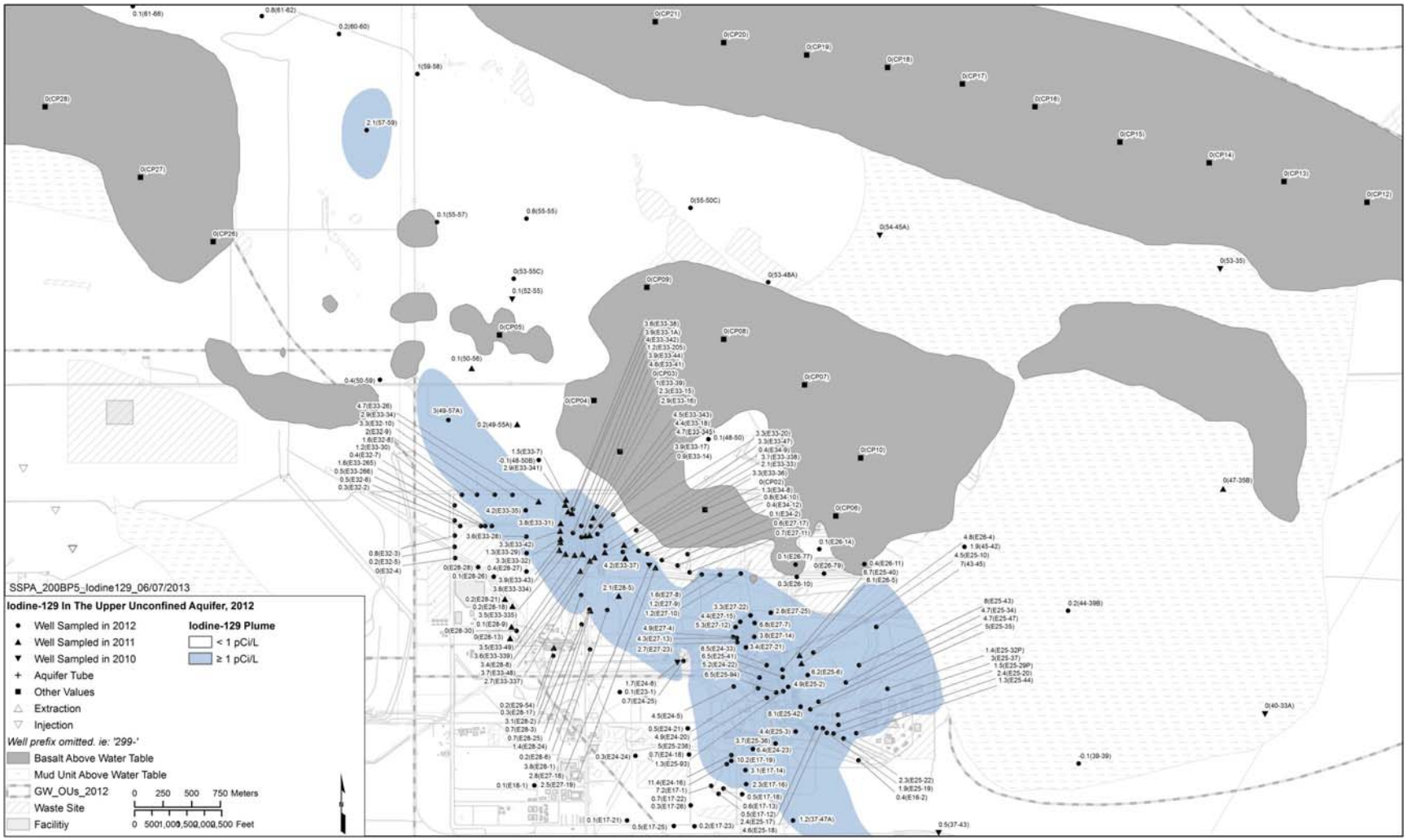

Figure D.28. Iodine-129 in 200-BP-5

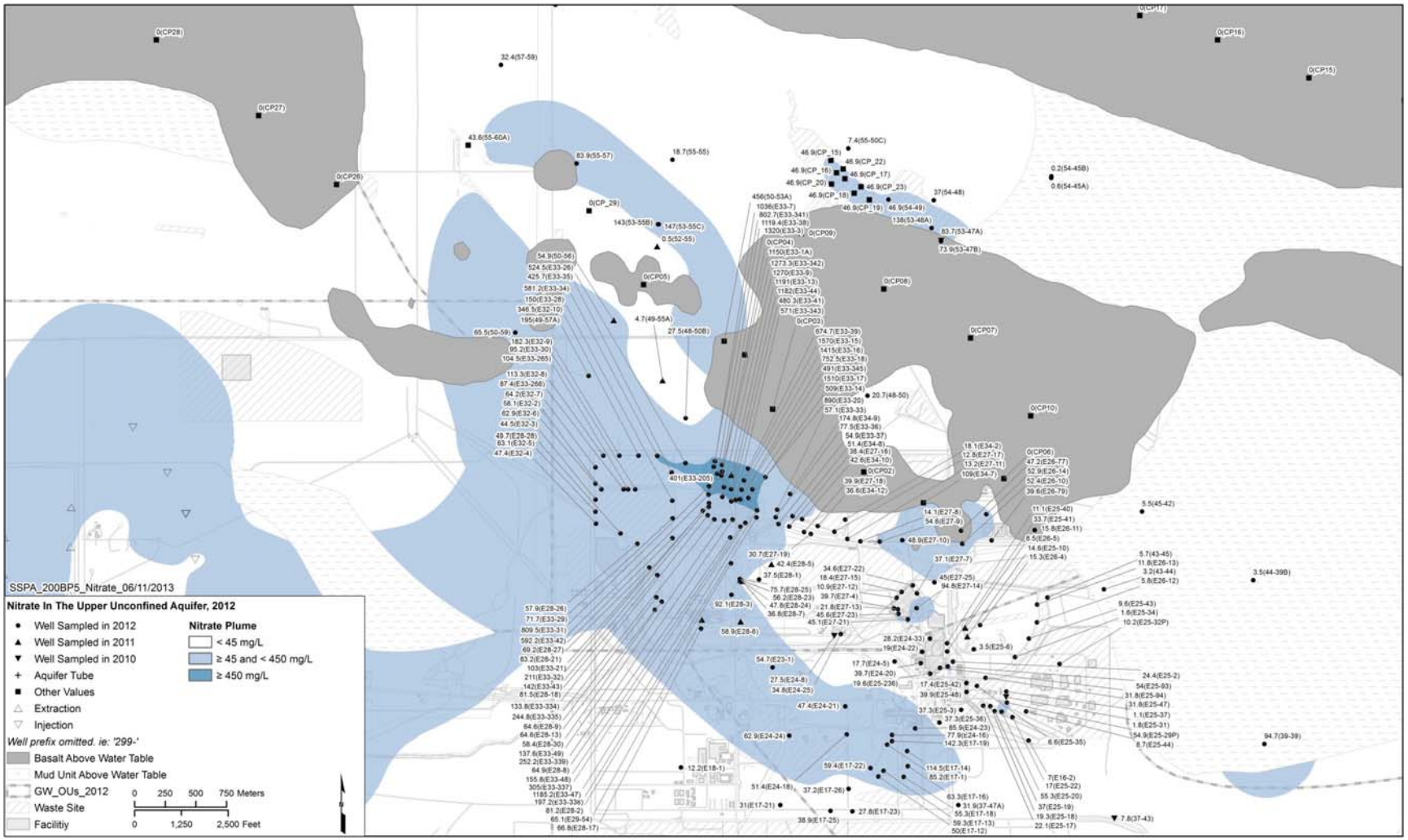

Figure D.29. Nitrate in 200-BP-5

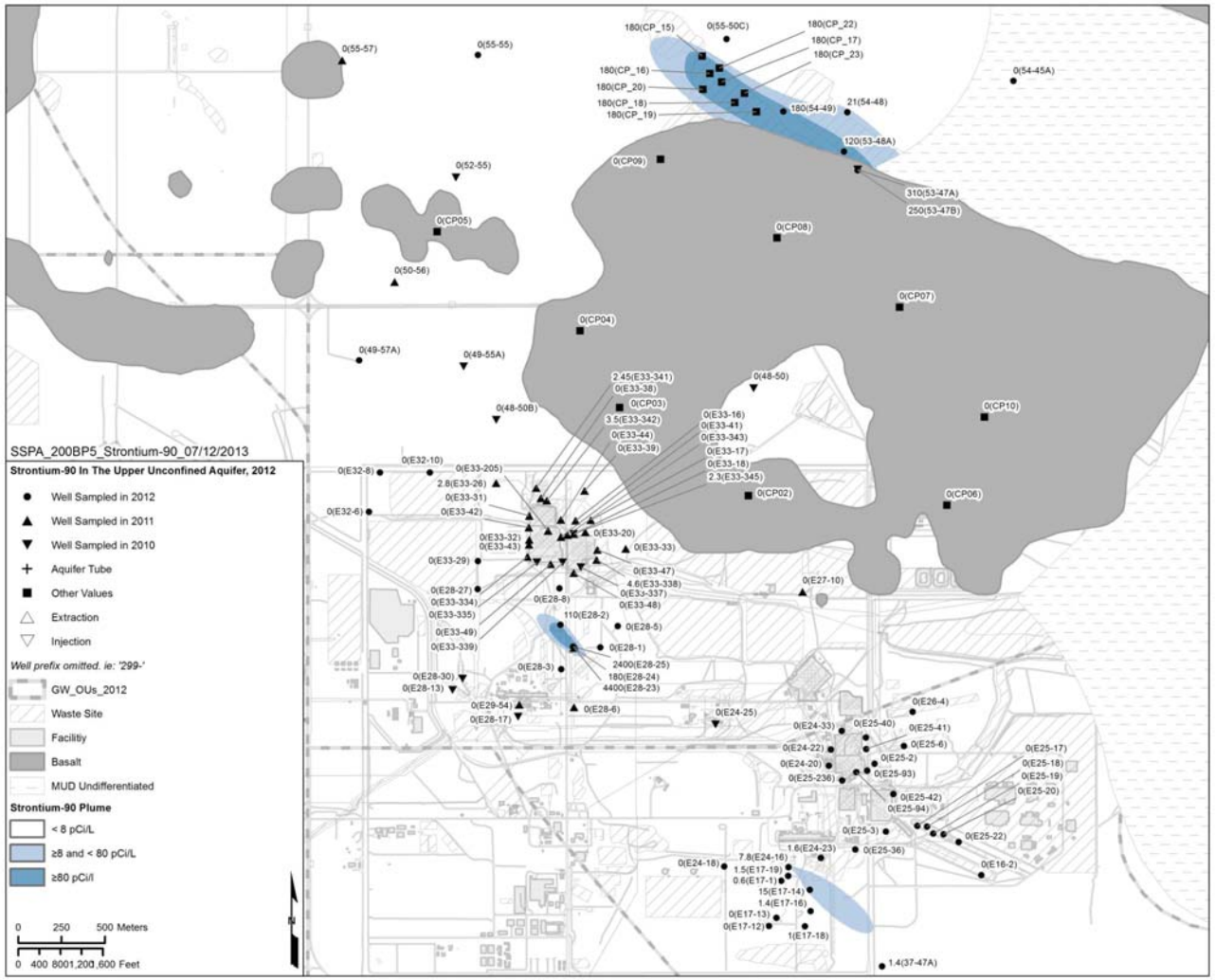

Figure D.30. Strontium-90 in 200-BP-5

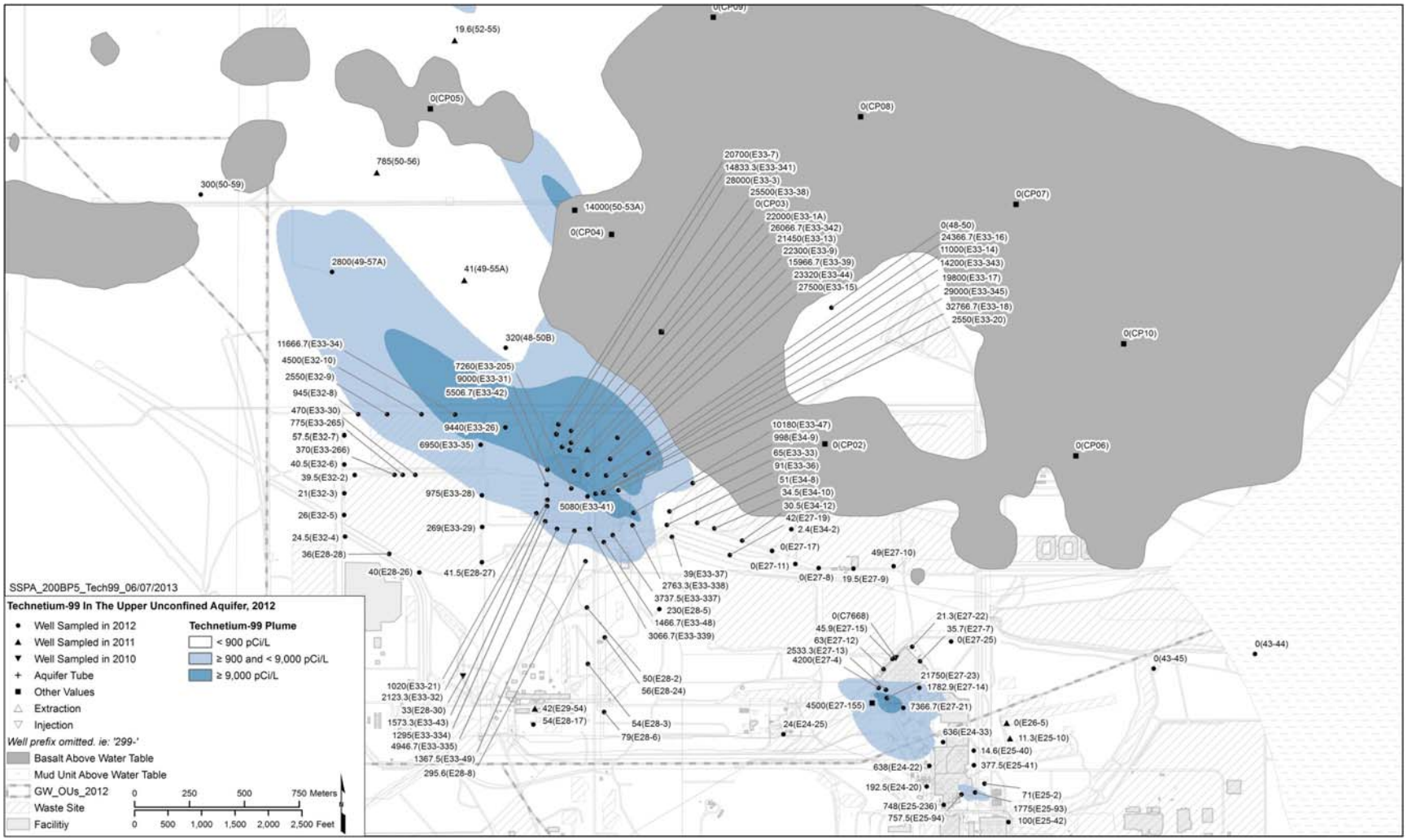

Figure D.31. Technetium-99 in 200-BP-5

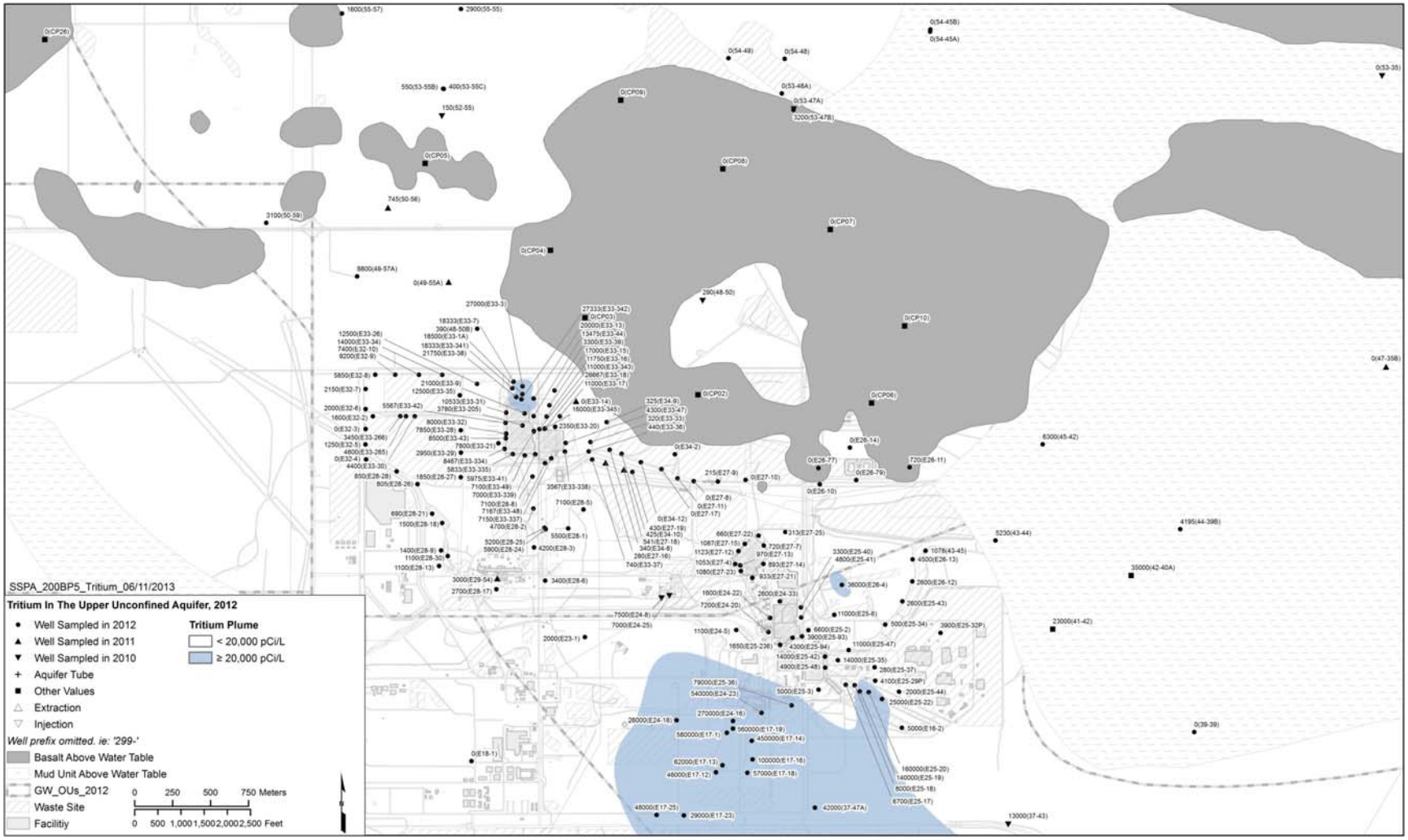

Figure D.32. Tritium in 200-BP-5

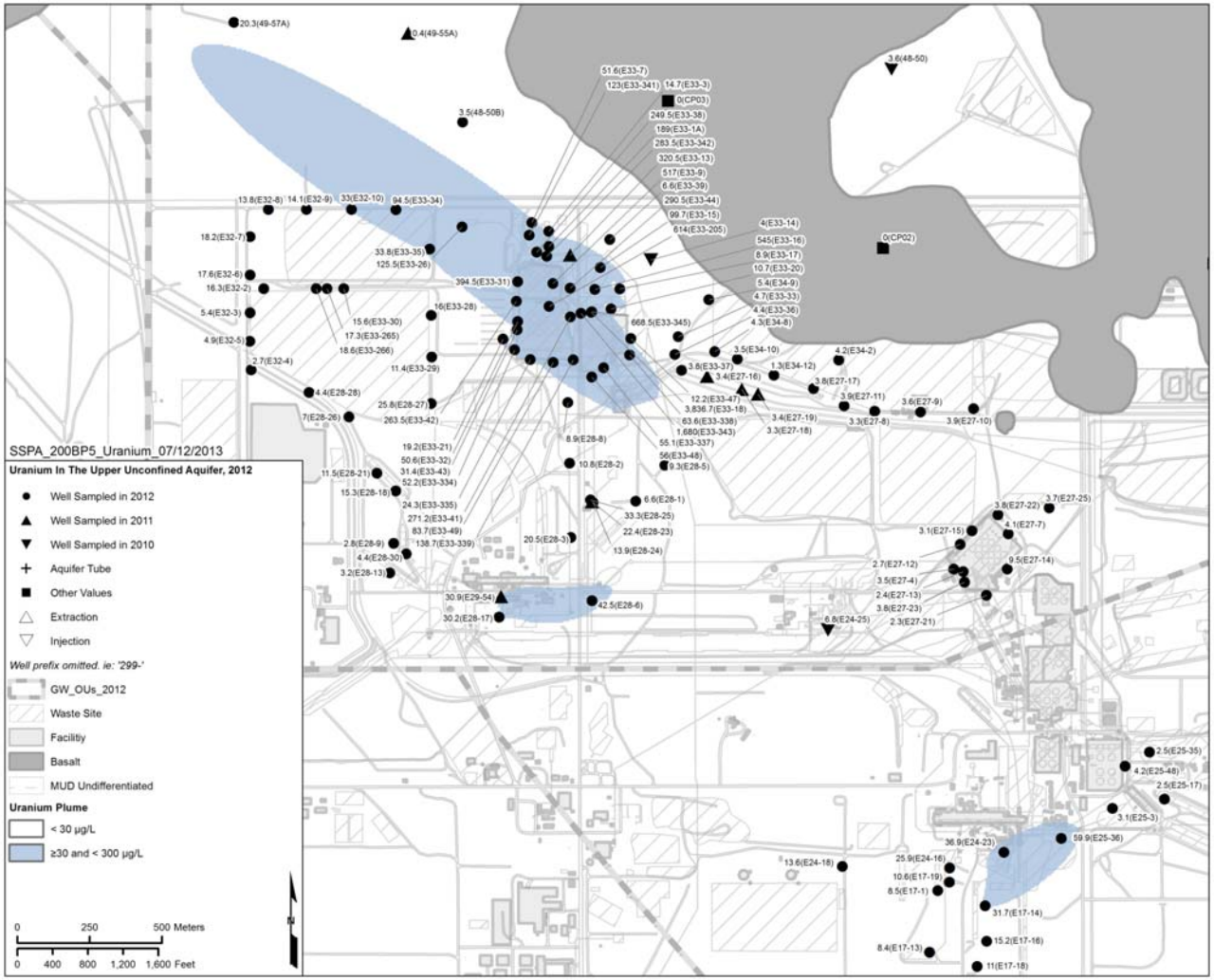

Figure D.33. Uranium in 200-BP-5

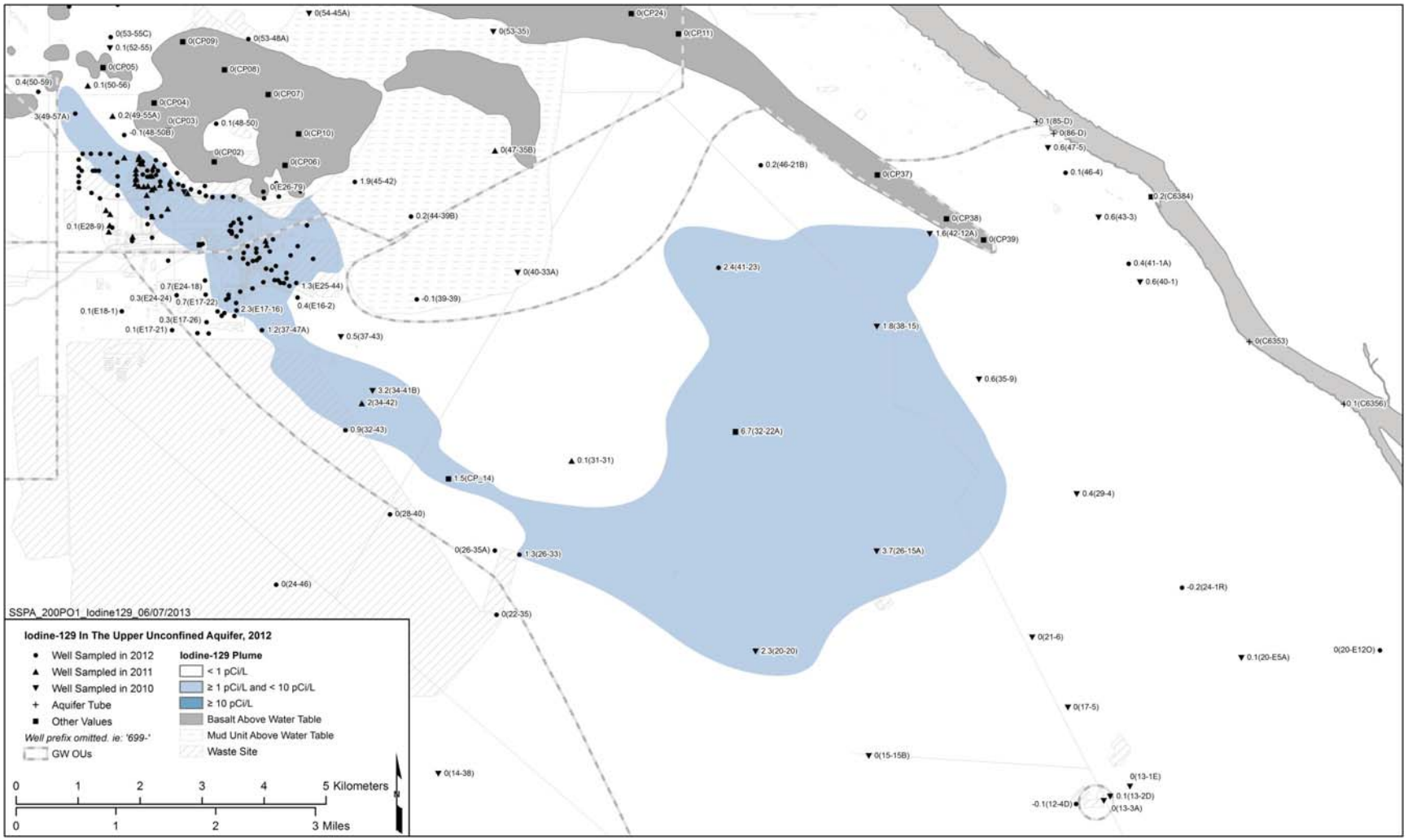

Figure D.34. Iodine-129 in 200-PO-1

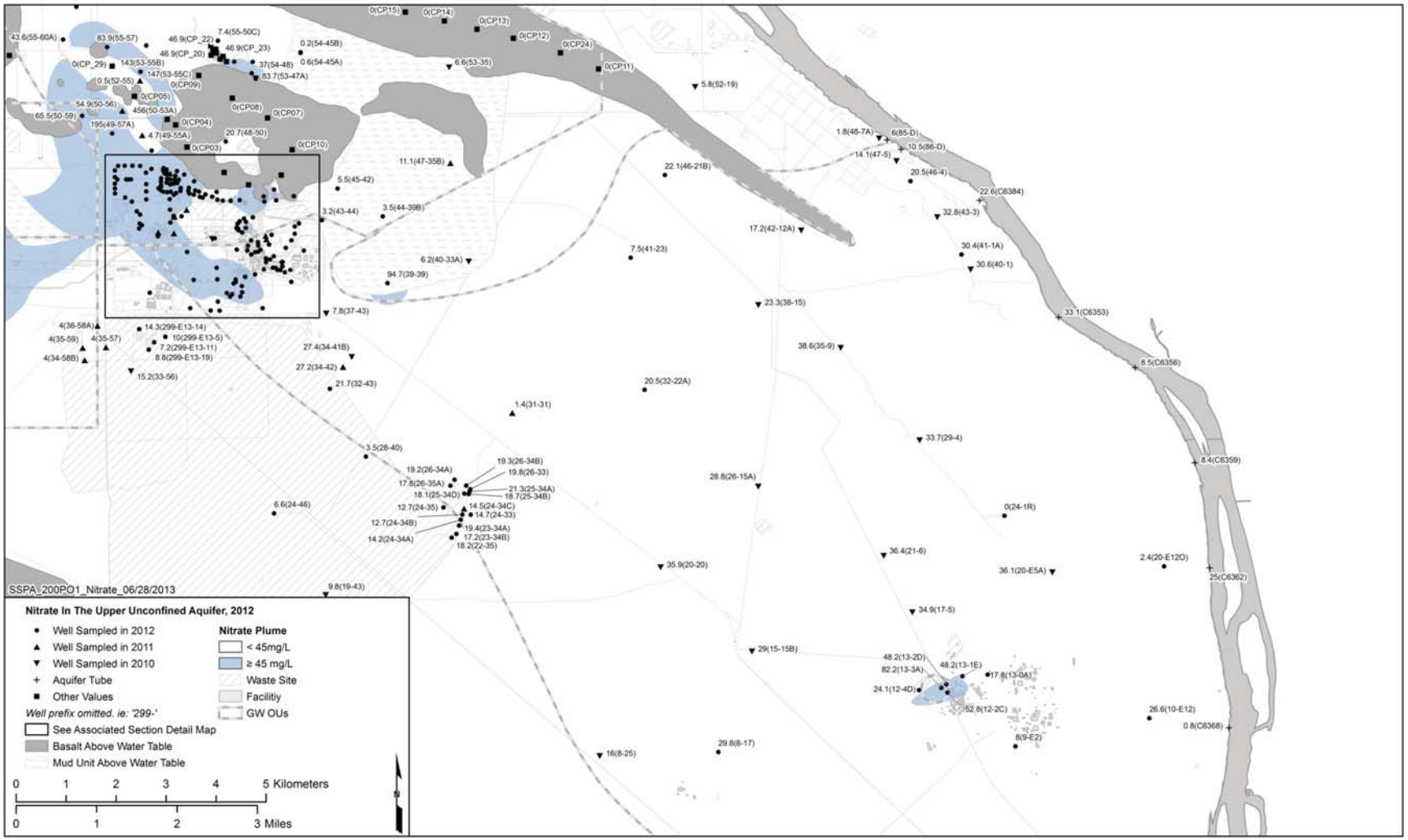

Figure D.35. Nitrate in 200-PO-1

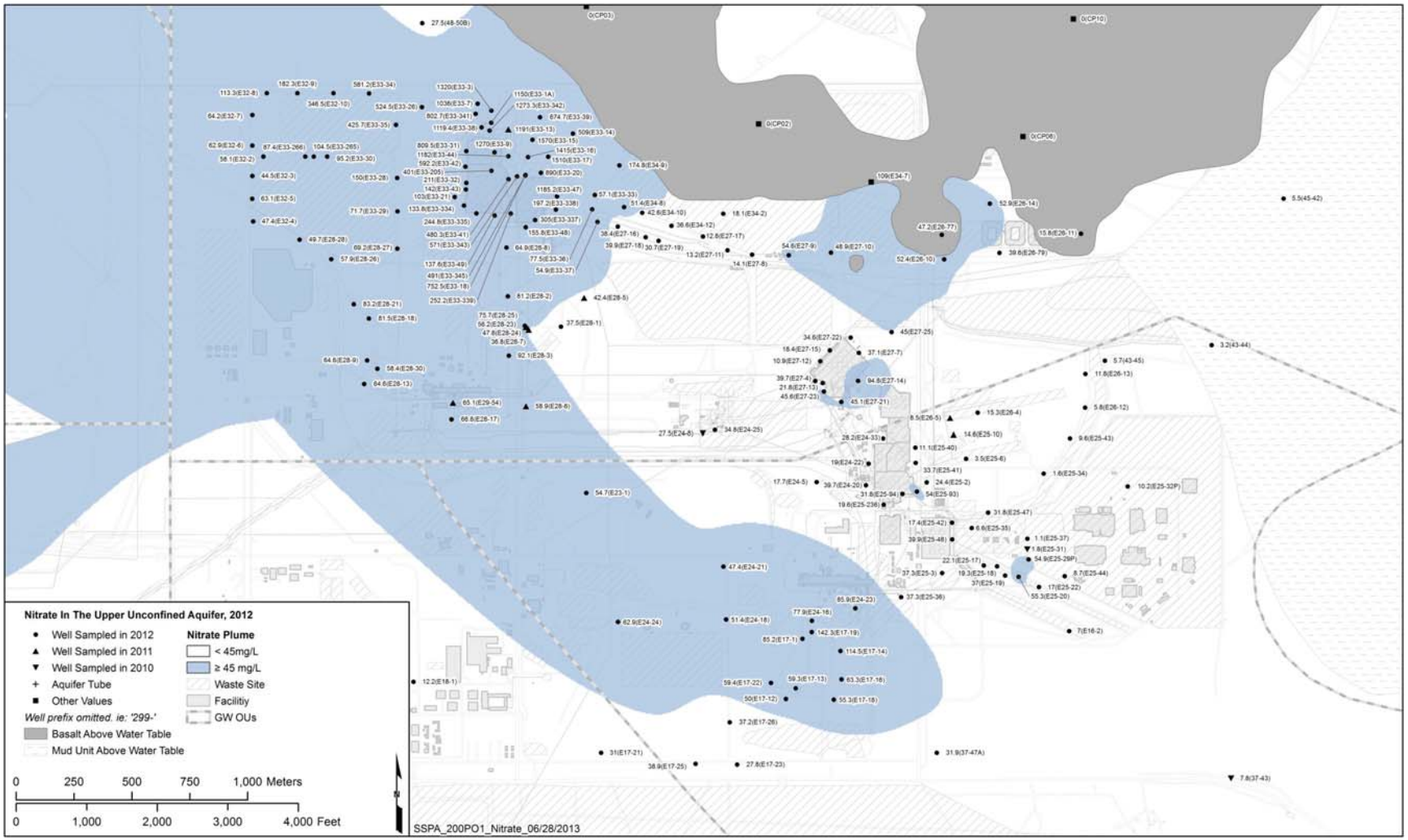

Figure D.36. Nitrate in 200-BP-5 / 200-PO-1

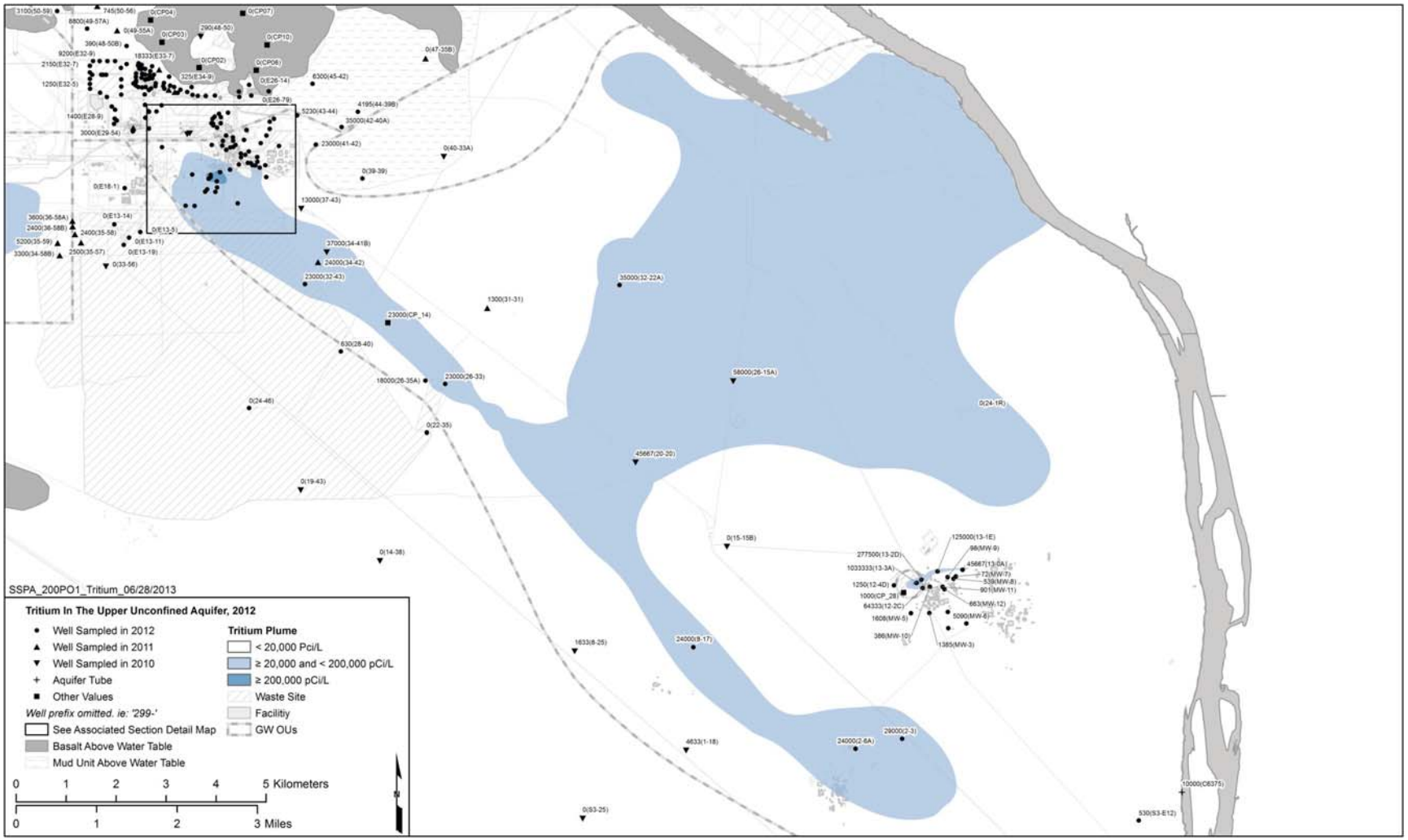

Figure D.37. Tritium in 200-PO-1

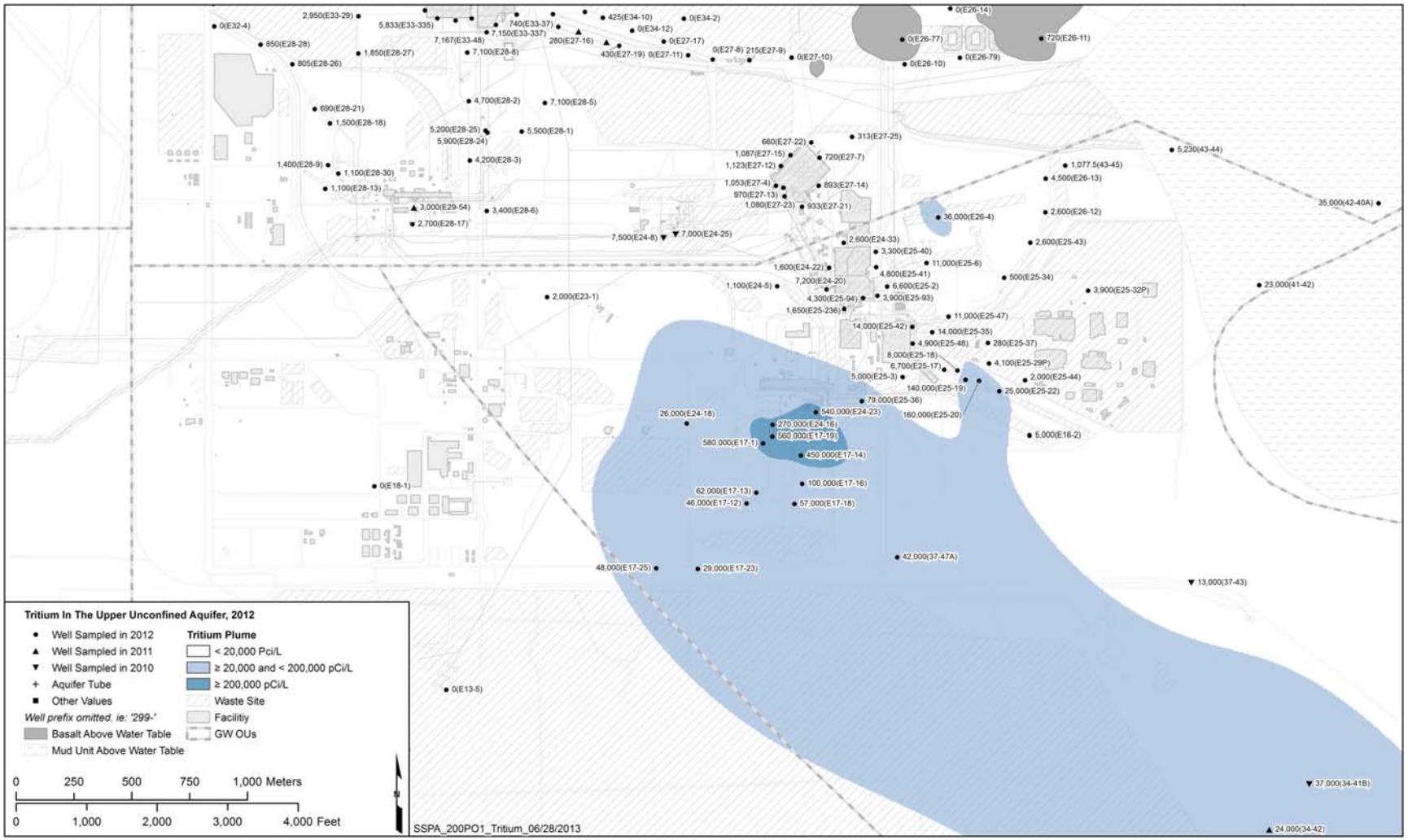

Figure D.38. Tritium in 200-BP-5 / 200-PO-1

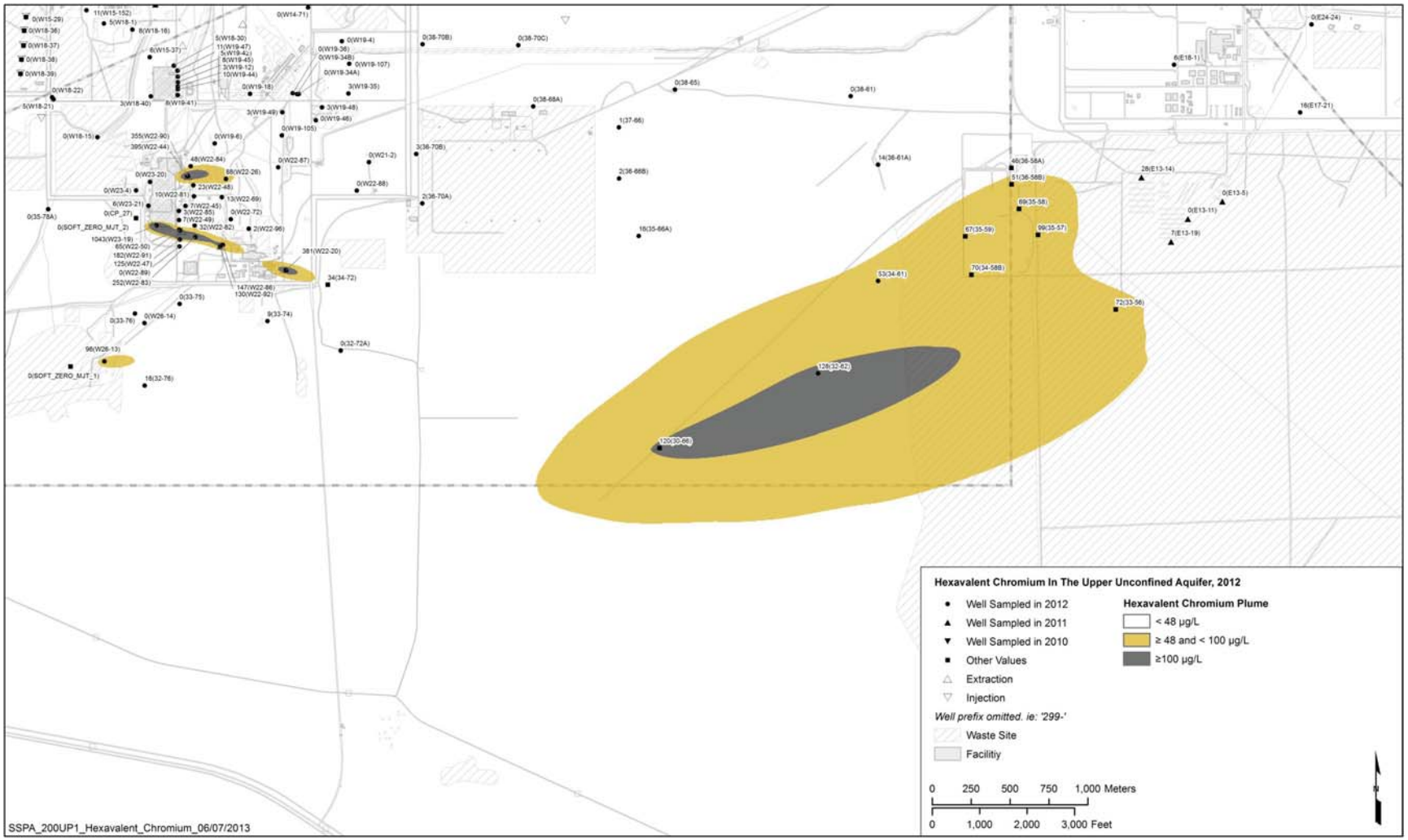

Figure D.39. Hexavalent Chromium in 200-UP-1

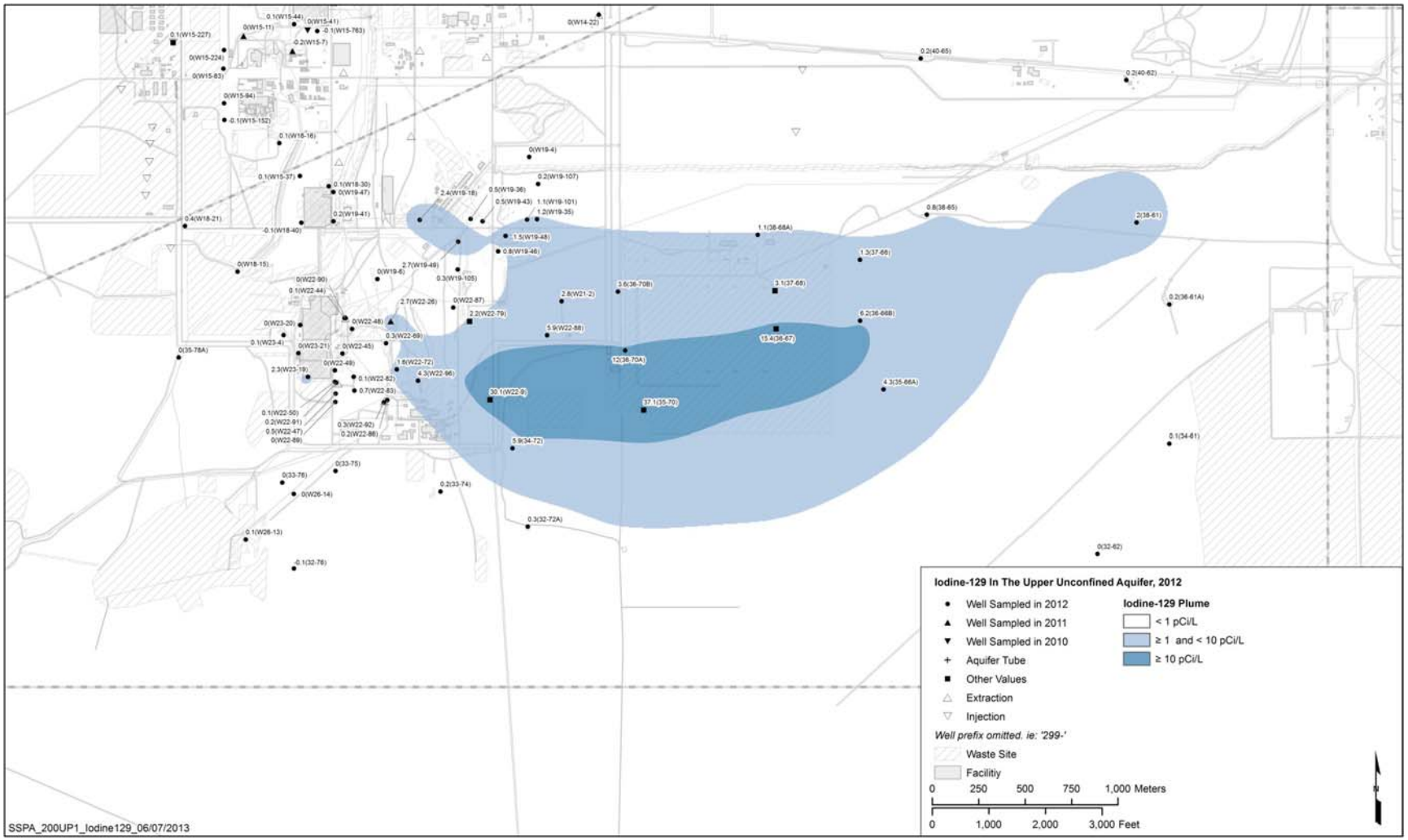

Figure D.40. Iodine-129 in 200-UP-1

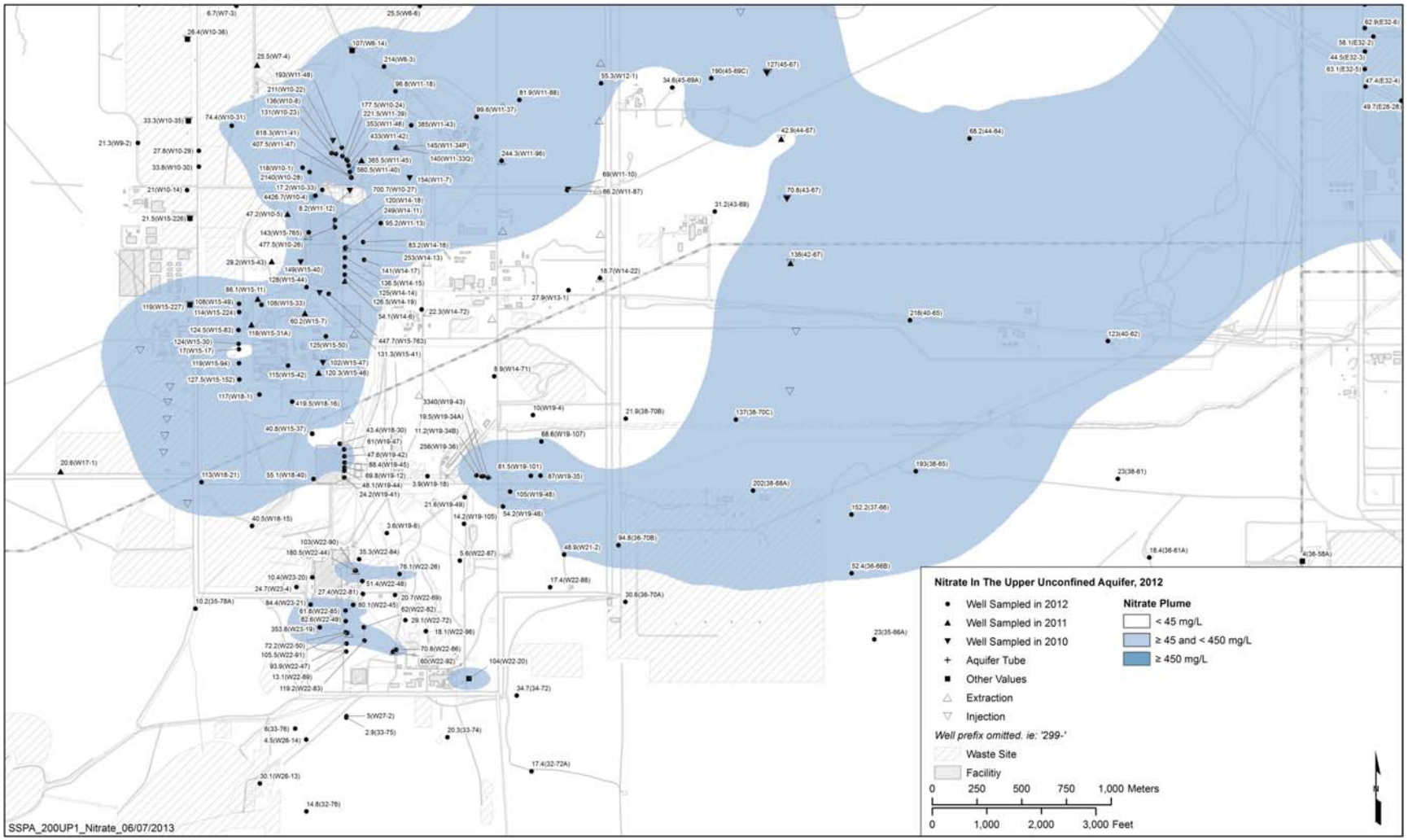

Figure D.41. Nitrate in 200-UP-1

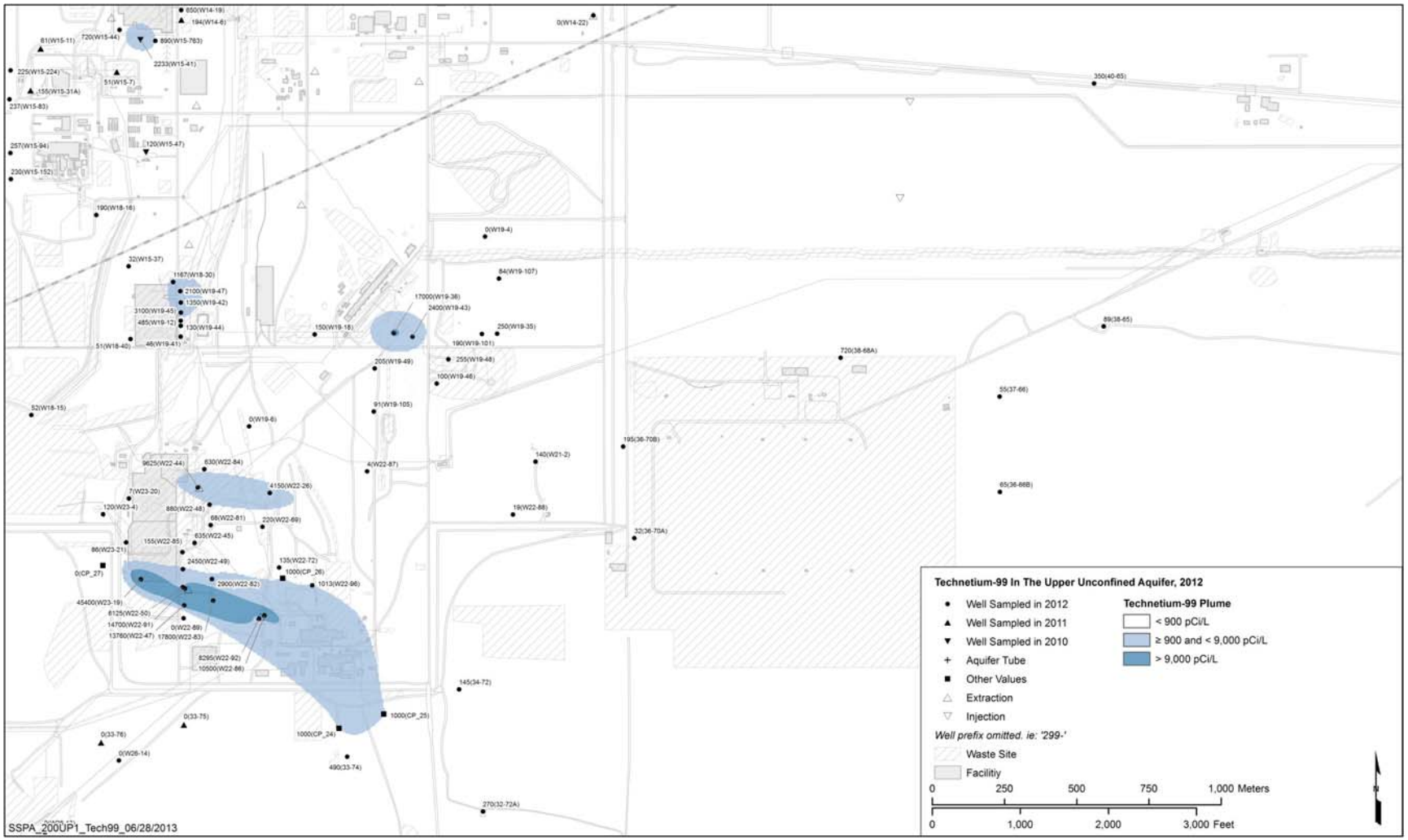

Figure D.42. Technetium-99 in 200-UP-1

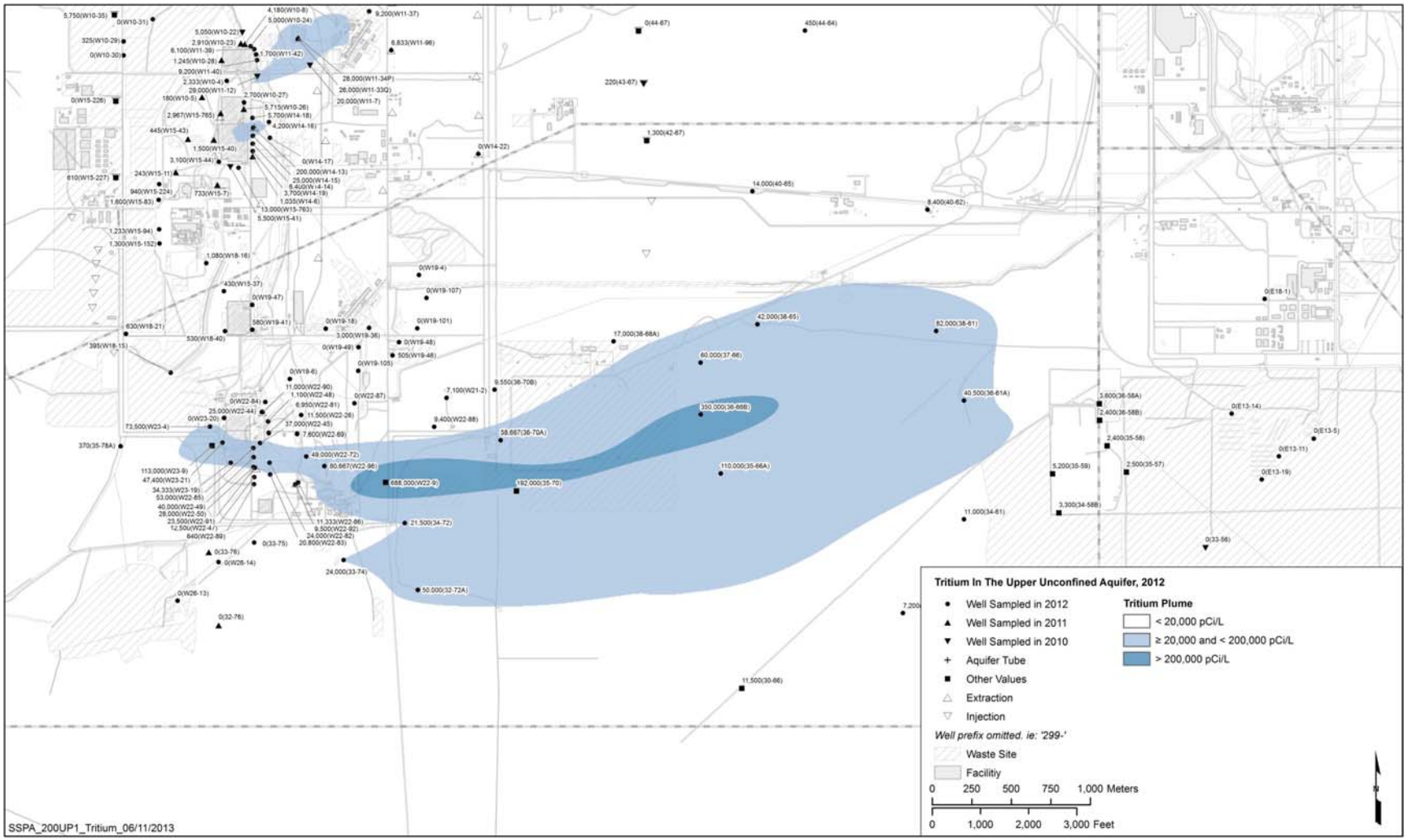

Figure D.43. Tritium in 200-UP-1

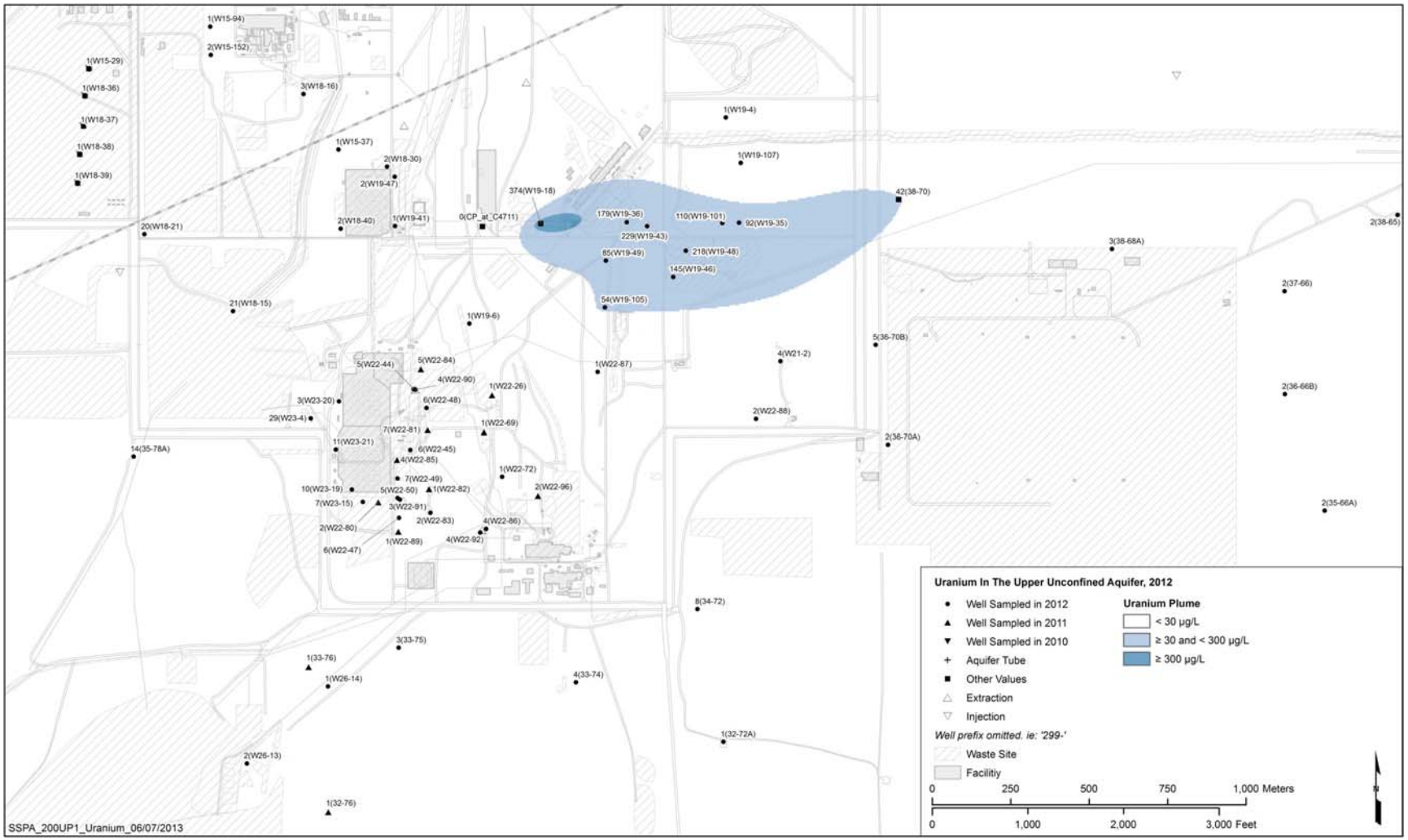

Figure D.44. Uranium in 200-UP-1

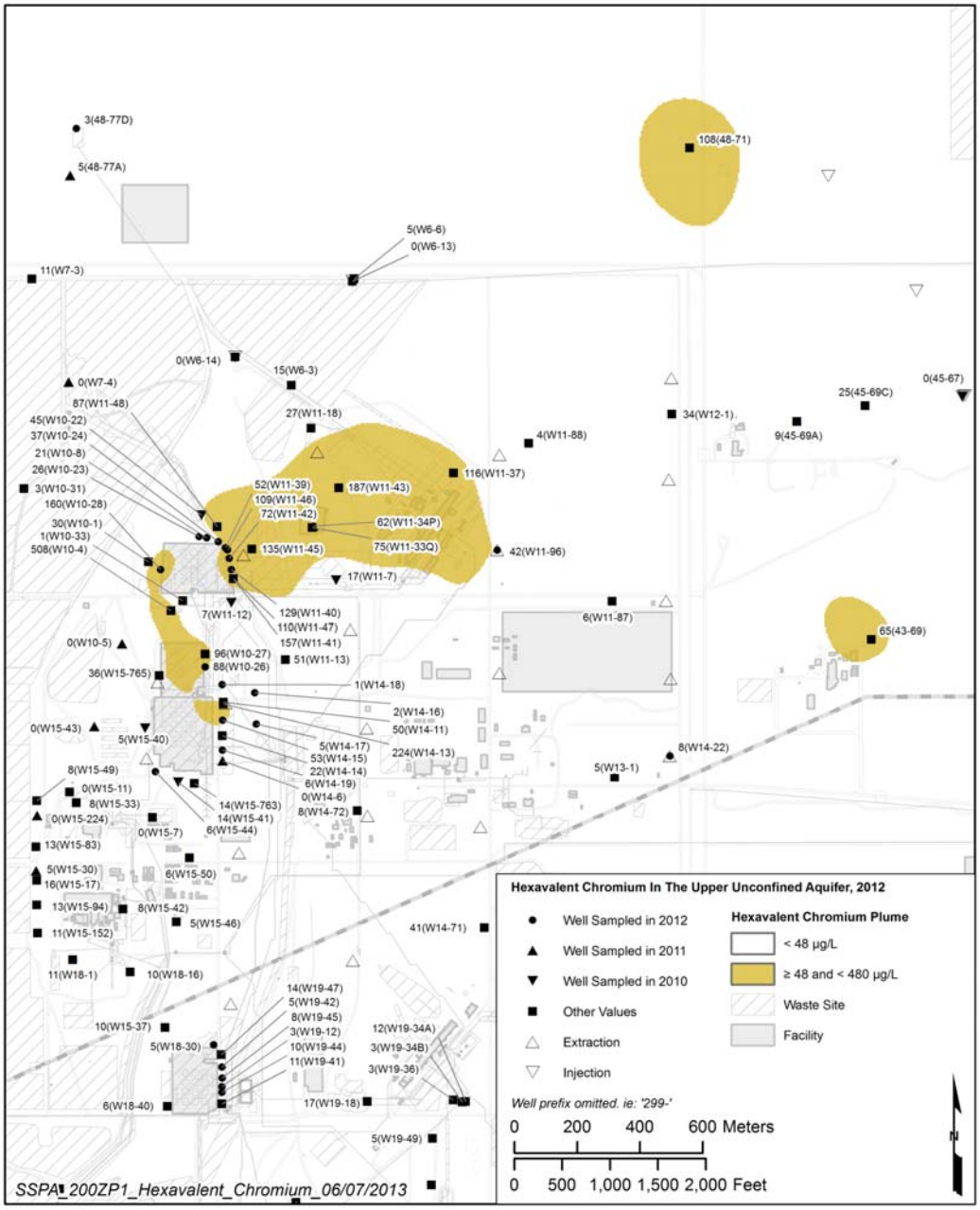

Figure D.45. Hexavalent Chromium in 200-ZP-1

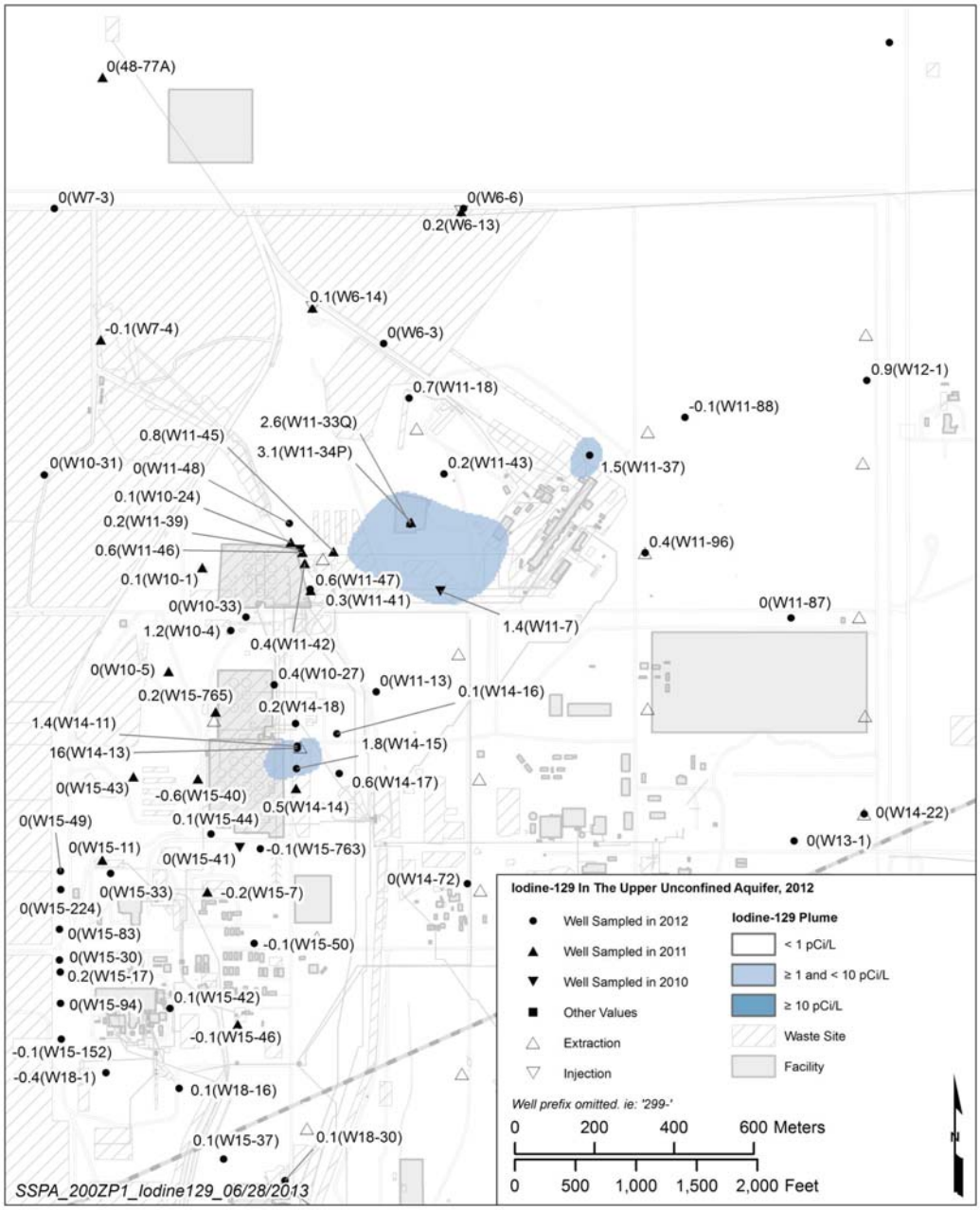

Figure D.46. Iodine-129 in 200-ZP-1

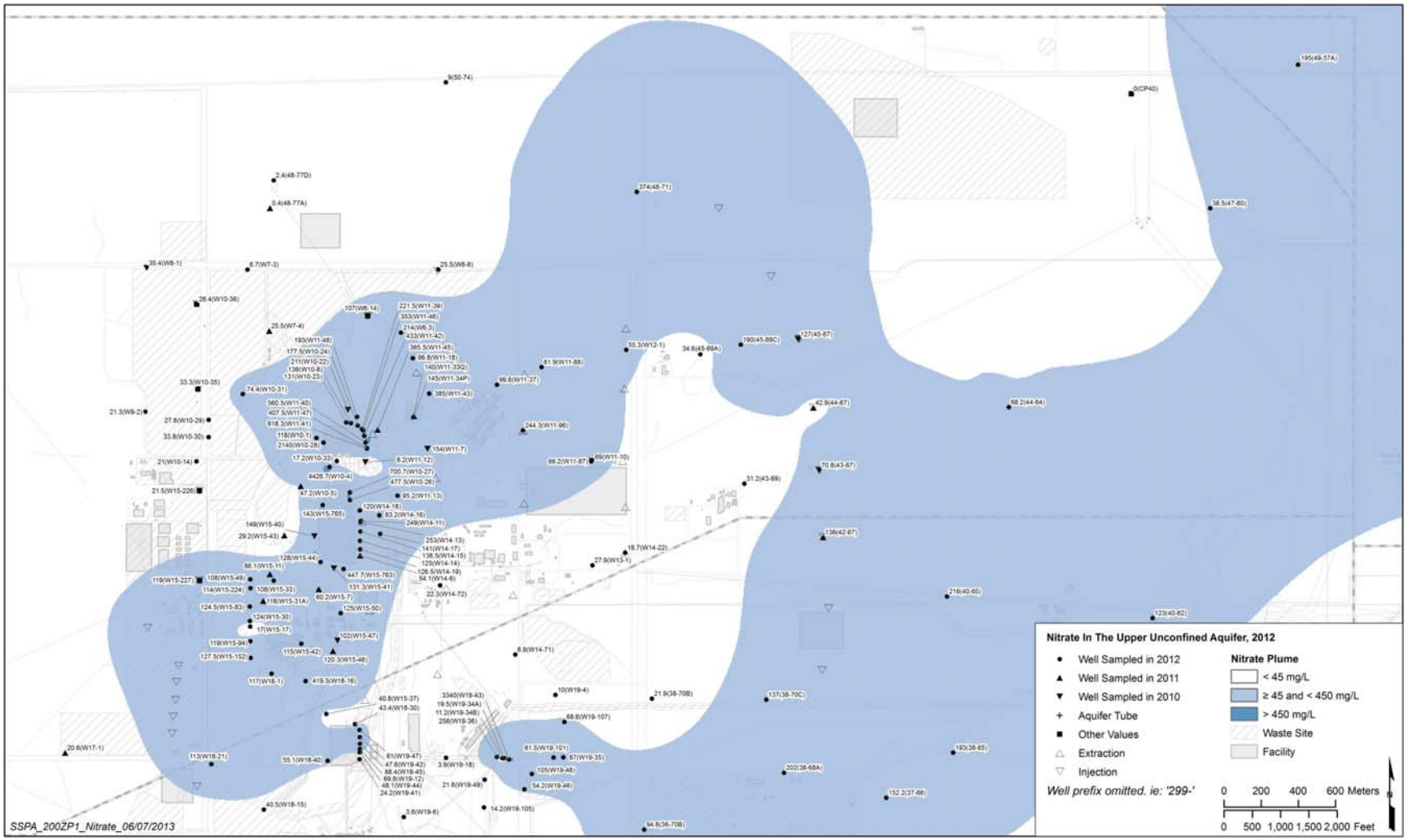

Figure D.47. Nitrate in 200-ZP-1

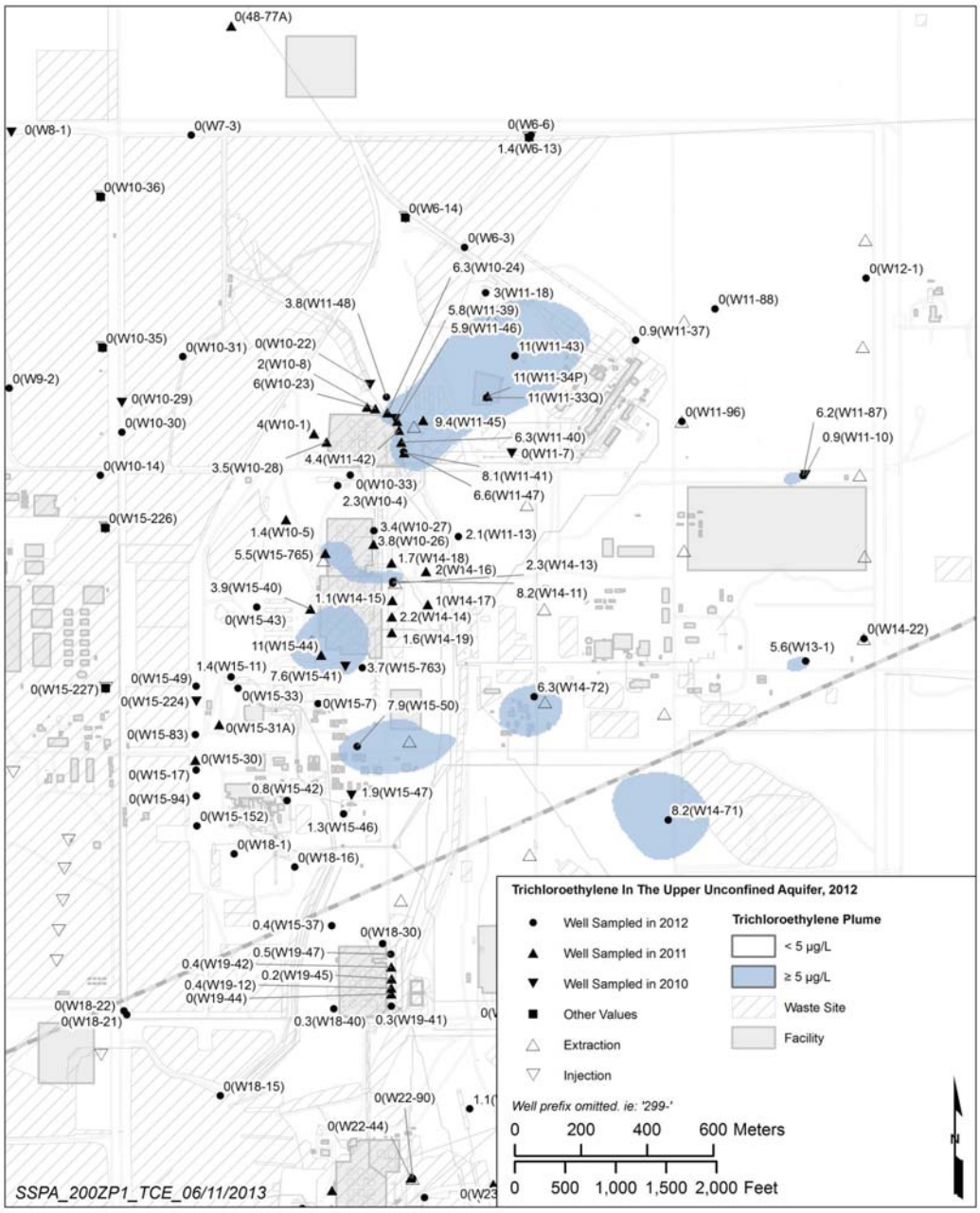

Figure D.48. TCE in 200-ZP-1

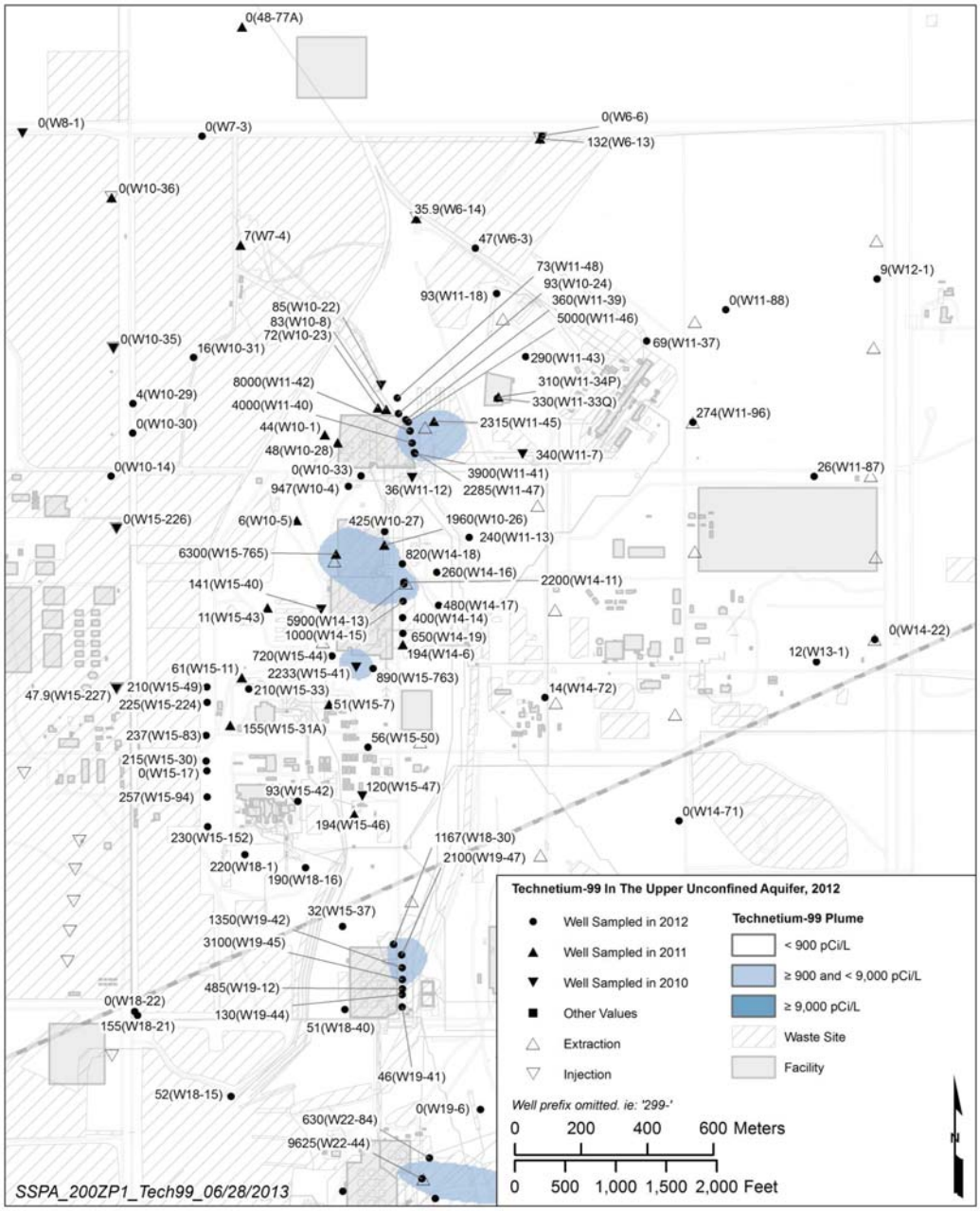

Figure D.49. Technetium-99 in 200-ZP-1

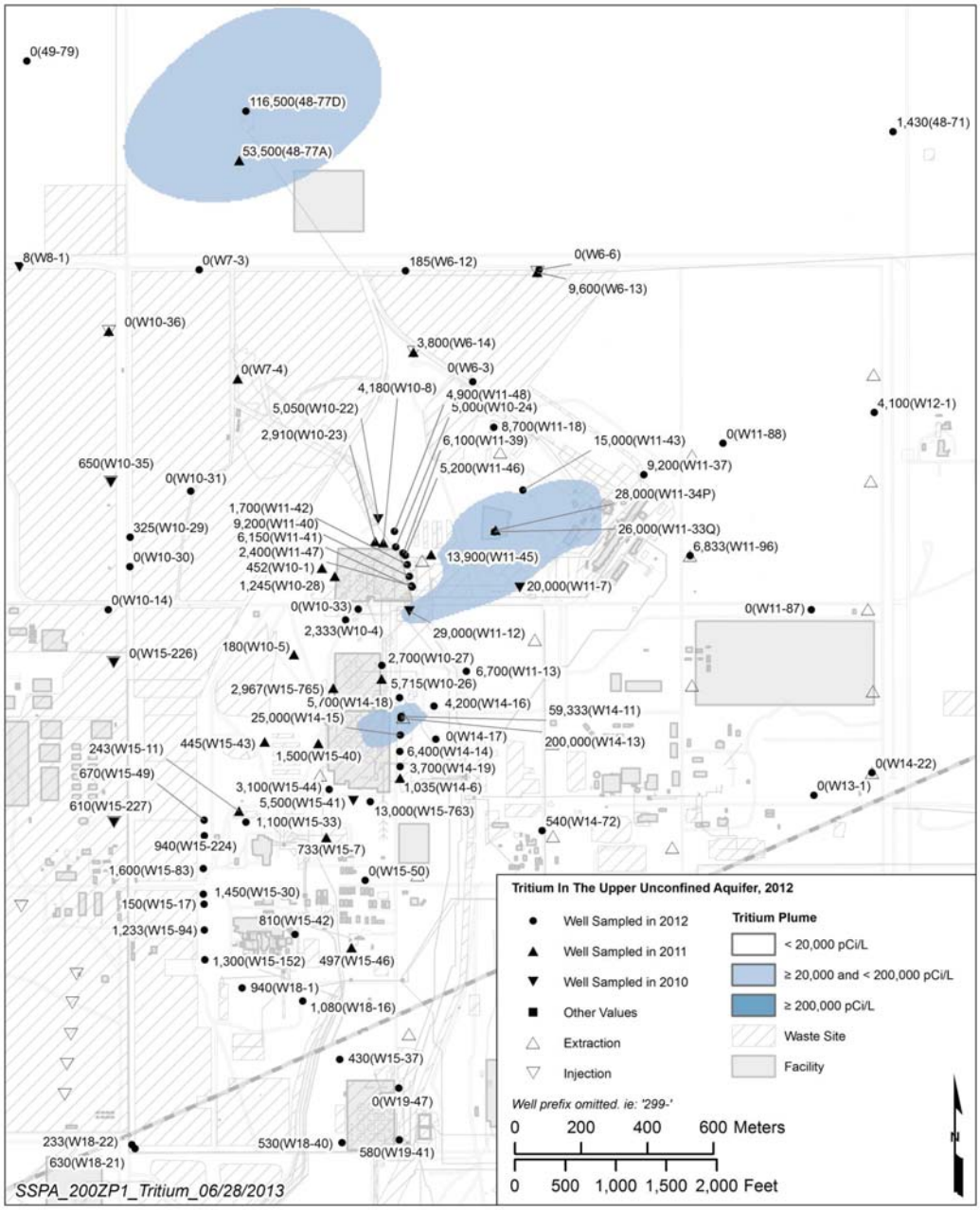

Figure D.50. Tritium in 200-ZP-1

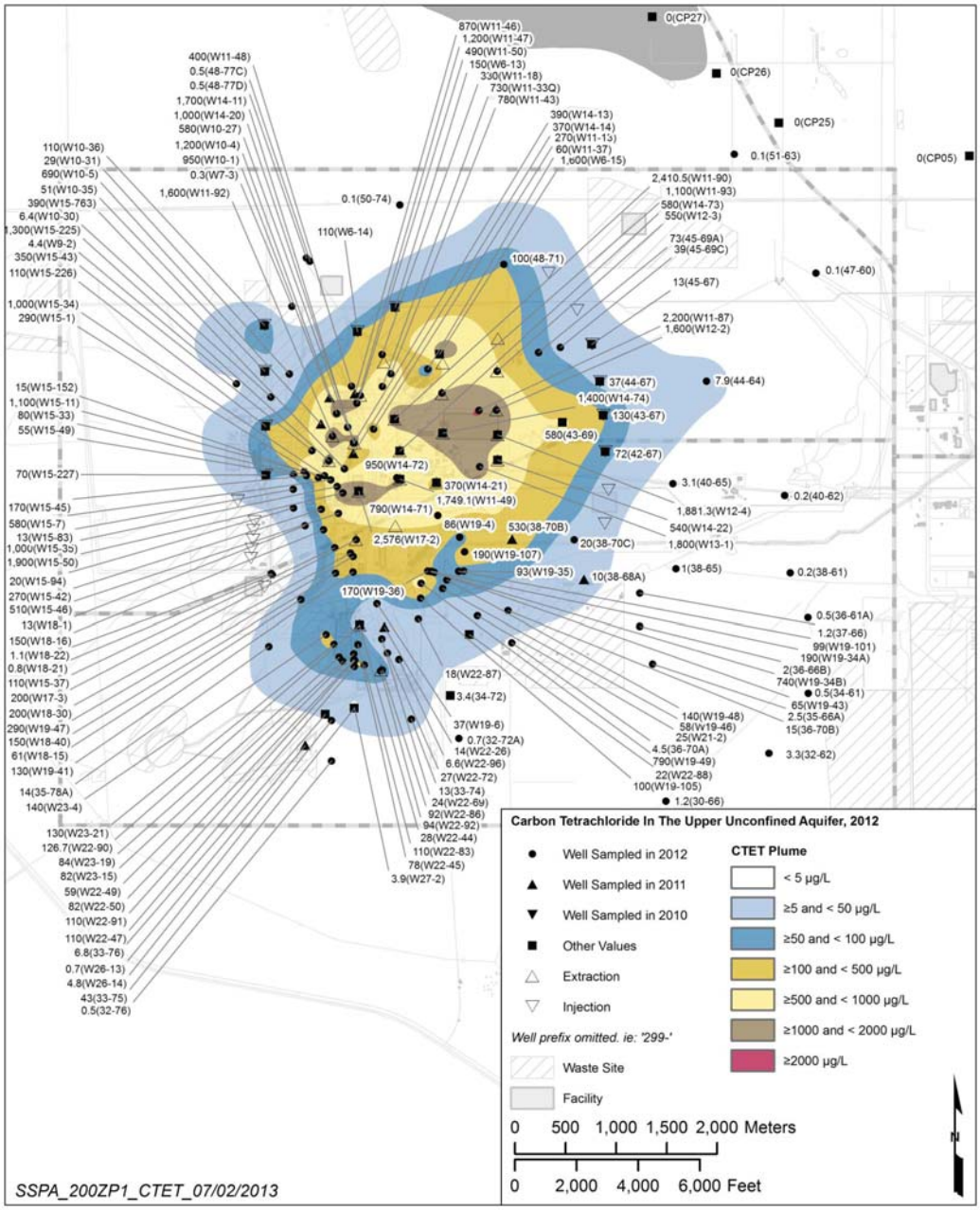

Figure D.51. Carbon Tetrachloride in 200-ZP-1

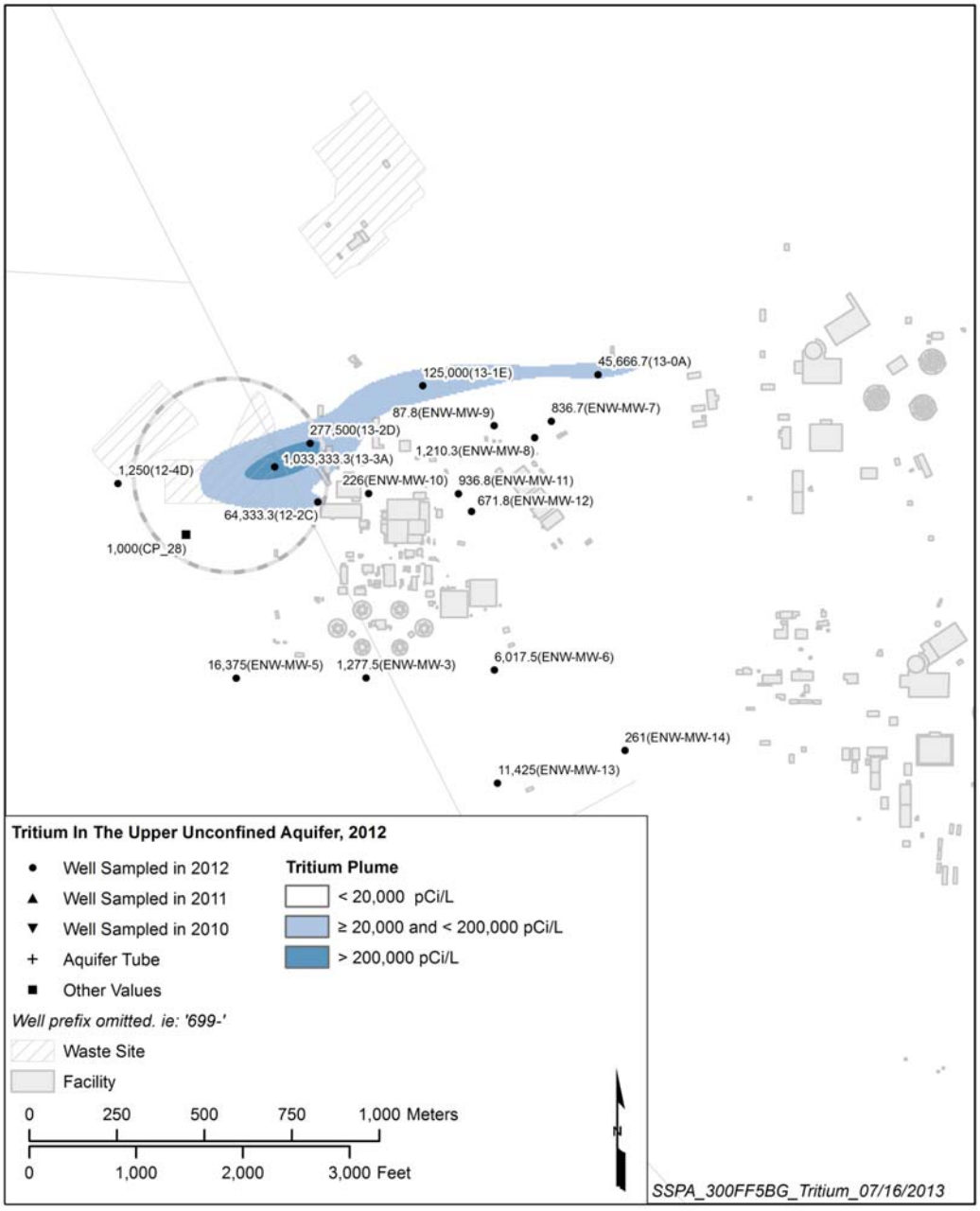

Figure D.52. Tritium in 300-FF-5 Burial Ground

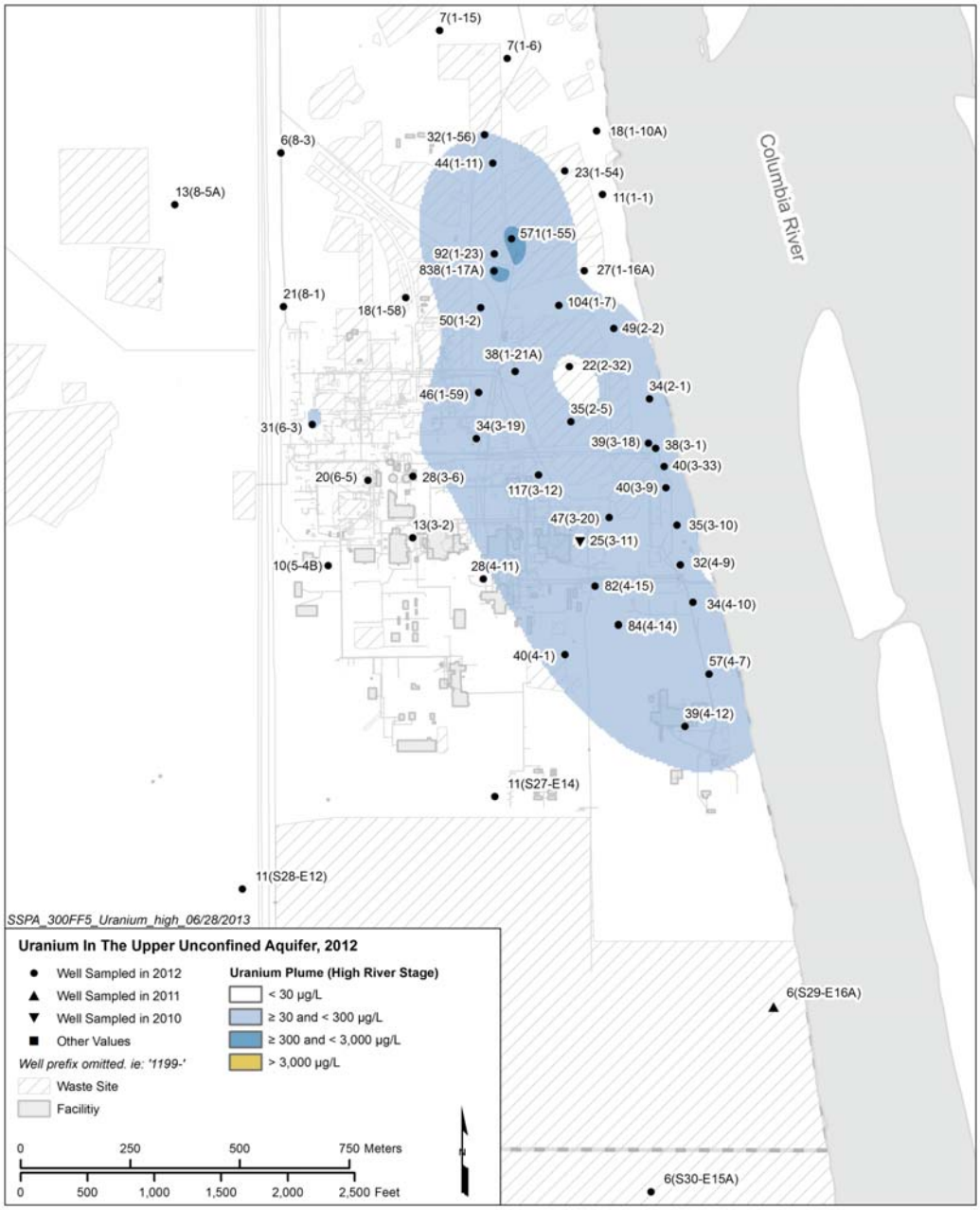

Figure D.53. Uranium in 300-FF-5 – High River Stage

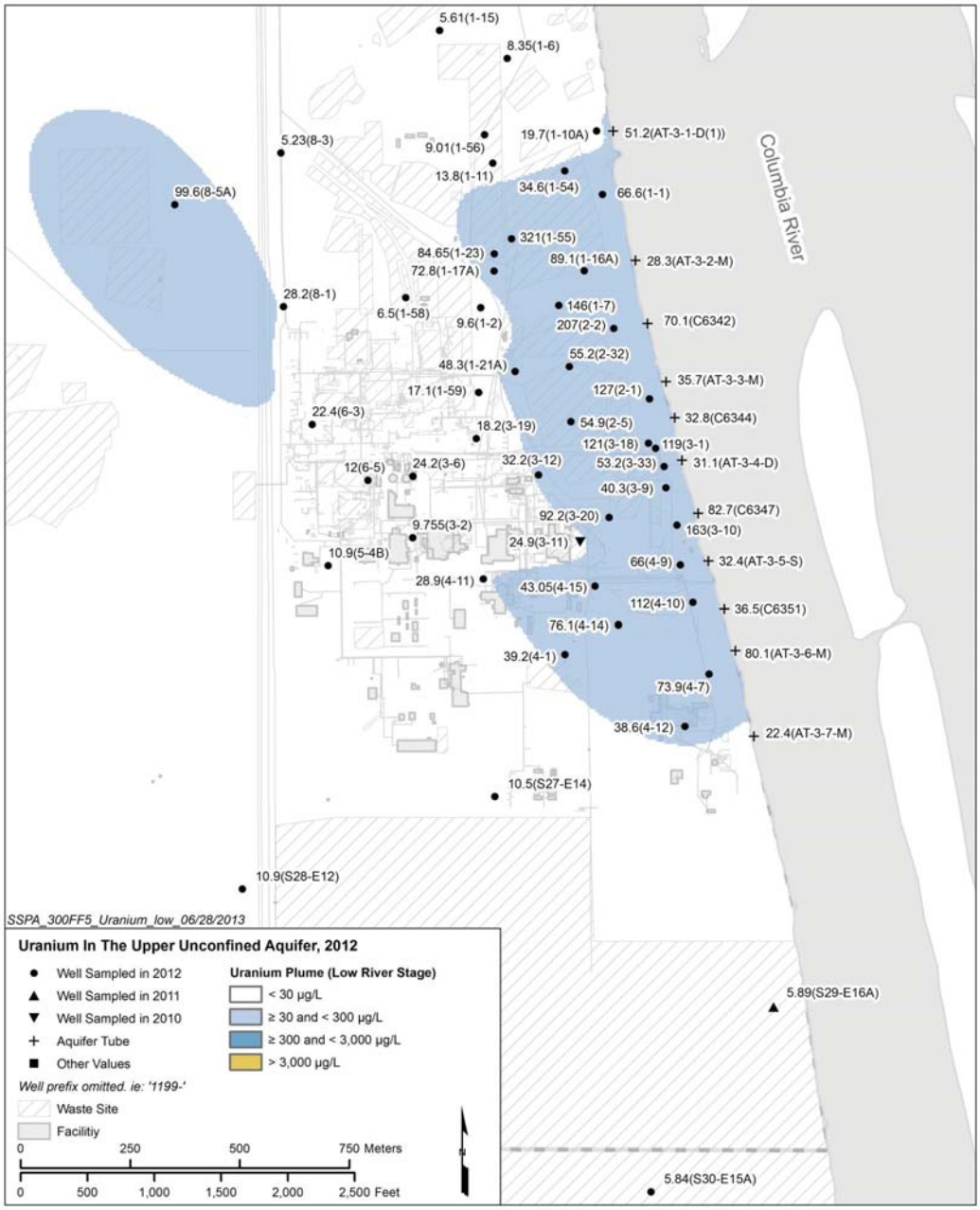

Figure D.54. Uranium in 300-FF-5 – Low River Stage

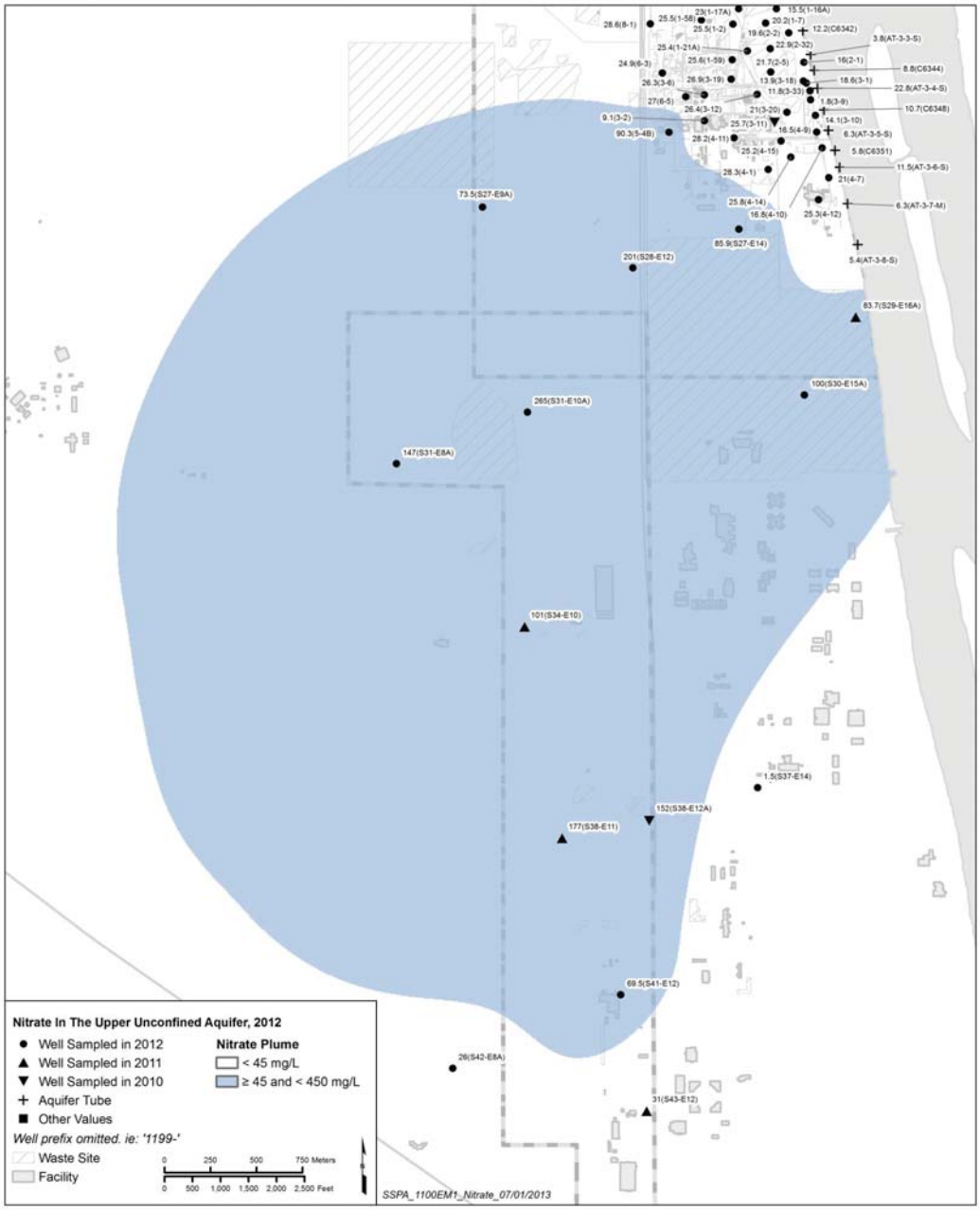

Figure D.55. Nitrate in 1100-EM-1