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Calculation and Depiction of Groundwater Contamination for the Calendar Year 2013 (CY 2013) 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

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Plateau Remediation Company
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Richland, Washington 99352

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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 (COI) in each Groundwater Interest Area (GIA) of the Hanford Site in support of the *Hanford Site Groundwater Monitoring for 2013* (DOE/RL-2014-32, Rev. 0) report.

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 Background

A systematic approach to develop contaminant plume maps using an integrated numerical interpolation methodology was first applied for the *Hanford Site Groundwater Monitoring for 2011* (DOE/RL-2011-118, Rev. 0). The methodology was applied again for the *Hanford Site Groundwater Monitoring for 2012* (DOE/RL-2013-22, Rev. 0), with additional capabilities and revisions to the interpolation algorithm.

The approach was further extended this year by implementing an integrated procedure of compiling and aggregating datasets in a comprehensive database; developing input files; and executing batch processes using the open-source statistical computing/programming language R (R Development Core Team, 2013). Details on the development and implementation of this procedure are provided in the following Sections.

3 Methodology

Maps of the extent of contamination, referred to as contaminant plume maps, are developed by interpolating point sample data obtained from wells, and aquifer tubes to a grid using Ordinary Kriging (OK) in two dimensions (2-D). Sample data obtained within the monitoring period are in some instances 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. Three data transformations used in the plume mapping process are detailed below. 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 (Figure 3-1):

1. Data acquisition, overview, compilation and reduction.
2. Data selection per GIA/COI. Mapping value for each measurement location is determined systematically using a standard set of data selection rules.
3. Development of interpolation datasets by applying data selection rules. Perform data transformation, depending on the data values and their distribution for each COI in each GIA.
4. Application of OK to interpolate the transformed data set.
5. Back-transformation of the OK interpolation results.
6. Visualization of interpolation results; i.e., generation of contaminant plume maps.

7. Calculation? of plume areas corresponding to defined concentration intervals for each COI in each GIA.

These steps of the plume mapping procedure are detailed below.

3.1 Data acquisition and overview

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, 2013. This dataset includes concentrations of chemical constituents and physical parameters in groundwater, measured across the Hanford site, in wells and aquifer tubes.

Additional concentration data were provided to SSP&A in the form of Microsoft Excel worksheets, PDF, text files. These data are not included in the original HEIS query because (a) they were not posted in HEIS by the time of the query; (b) they are external to HEIS; and/or (c) sampling was performed after December 31, 2013 but it was determined that these data should be used in plume mapping as representative of end-of-year, low river-stage conditions.

The available data were reviewed to determine those measurements representative of contaminant distribution in the aquifer during Calendar Year (CY) 2013. The dataset was complemented by additional data including measured values outside the CY2013 and/or values determined by the project scientists. The various data types are discussed below.

3.1.1 Data Types

Mapping for the Hanford Site Groundwater Monitoring for 2013 is based primarily on data collected at each measurement location during CY2013. Where data were unavailable during CY2013, the dataset is expanded to include data collected during the three-year period between January 1, 2011 through December 31, 2013. General and special data selection rules developed per COI and GIA are based on data available during this expanded timeframe and are described in detail in Section 3.2

In cases where recent direct measurements were unavailable, additional data points were included to represent known conditions at the site. These points are discussed in detail in the GIA-specific subsections of Section 6 and are categorized by type as discussed below.

Type 1: Point values which are based on COI concentration measurements but were not determined based on the general or special data selection rules described in detail in Section 3.2. 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 CY2011-2013 timeframe may be used where more recent data are not available.

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.

Type 3: Points determined by the project scientist, based on knowledge of plume sources, previous remediation activities, historical plume configuration, etc., including migrated and interpolated data. No interpolated or migrated data calculations were performed for the CY2013 plume mapping.

3.1.2 Data Compilation and Reduction

Spatial coordinates, location type, GIA assignments, and construction information for all chemical concentration measurement locations were queried from HEIS database and, together with the chemical concentration data and additional information described above, were reduced and compiled into separate

files comprising a comprehensive database of all information required for the plume mapping procedure described in Section 3-2. The database is managed using the open-source statistical computing/programming language R. Details of data compilation and reduction are provided in Section 6.

3.2 Data Selection Rules

Data selection rules consist of the following criteria to determine the appropriate interpolation dataset for each COI and GIA:

a. Monitoring locations were removed from the master chemical concentration table if the screened interval is outside the aquifer zone of interest.
b. 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.
c. For measurements flagged with the "U" qualifier or any combination including the "U" qualifier, the reported value was replaced with the associated Minimum Detectable Activity (MDA), for radionuclides, or the Standard Reporting Limit (SRL), for all other COIs, before the representative concentration was calculated.
d. Selected measurements, determined by the project scientist, were excluded from the dataset as not representative of the contaminant distribution pattern in the aquifer.
e. For each measurement location, a single representative concentration is determined depending on:
    - Available data (CY2013 only, 2011-2013, earlier data);
    - Type of monitoring location (monitoring well, extraction/injection well, aquifer tube);
    - COI/GIA combination (annual average, high/low river stage)
    - COI type (e.g., total chromium versus hexavalent chromium)
    - Sampling result (filtered versus unfiltered)

Two sets of data selection rules were developed implemented for each COI/GIA combination: *general* and *special* data selection rules. Interpolation datasets for most COI/GIA combinations were developed based on the general data selection rules. Special data selection rules were implemented in selected COI/GIA combinations where additional considerations were required for contaminant plume depiction; for example, in cases where high/low river-stage plume depictions are required or a subset of the entire dataset is considered. Special data selection rules were implemented to pre-process the available data before the general data selection procedure was implemented. The general and special data selection rules are described in detail below and are depicted in the schematic flowchart in Figure 3-1.

3.2.1 General Data Selection Rules

Under the general data selection rules datasets are generated for each GIA/COI using a multi-step process:

1. If the selected COI is chromium, then all unfiltered total chromium measurements are removed from the chemical concentrations dataset. All hexavalent chromium measurements, and all filtered total chromium measurements are retained, and the data selection process proceeds to step 2 using the combined dataset. If COI is not chromium, then this step is skipped and the process immediately advances to Step 2.

2. Measurement locations for the selected GIA are determined from the GIA assignments.

3. A subset of the master chemical concentration table is generated, which contains concentration measurements for the selected COI taken at the locations determined in Step 2. The selection process advances to Step 4 using this subset.

4. The concentration data are further reduced: for each measurement location, all COI concentrations measured during the most recent year available for the period 2011-2013 are selected. That is, for each measurement location:

    a. If any COI concentration measurements were taken in 2013, then 2013 data are retained.
    b. If no COI concentration measurements were taken in 2013, then 2012 data are retained.
    c. If no COI concentration measurements were taken in 2012, then 2011 data are retained.

    At the end of this step, the concentration dataset consists of concentrations of the specified COI, measured only at locations specified for the selected GIA, and measured only during the most recent year that data are available.

5. For each measurement location, either the maximum value or the average (mean) value of the concentration data is determined, according to the rule for that measurement and location type specified in for the particular COI/GIA combination. Aggregation methods are specified as described below:

    a. For routine samples (except aquifer tubes): value is determined based on all COI measurements taken during the year. If routine samples are available, then characterization measurements are excluded from the calculation.
    b. If no routine samples are available, characterization samples are selected. Value is calculated based on all measurements taken during the year.
    c. For aquifer tubes: value is determined based on all measurements taken during the year. Subsequently:
        - If the aquifer tube is part of a group of aquifers in close proximity to each other, then only the aquifer tube with the highest concentration in each group is used in the interpolation input dataset. The other aquifer tubes in the group are excluded.
        - If the aquifer tube is not part of a group, then measurements from all aquifer tubes are used for the interpolation input dataset.

    Data selected for each measurement location using steps 1-5 comprise the core interpolation dataset for the selected COI/GIA. The selection process proceeds to step 6 using the core dataset.

6. Measurements marked for exclusion by the project scientist for the selected GIS/COI combination are removed from the core dataset.

7. Type 3 data, as defined earlier, for the selected COI/GIA combination are added to the core dataset.

Data selected in steps 1-7 above comprise the final interpolation dataset for each GIA/COI combination under the general data selection rules. The general data selection rules are depicted in the schematic flowchart in Figure 3-1.

3.2.2 Special data selection rules

For selected COI/GIA combinations, additional data selection/aggregation rules are used to pre-process the core dataset, before the general data selection rules were applied. A brief description of each special

case is provided below, and each case is described in detail in the GIA-specific subsections of Section 6. The general data selection rules are depicted in the schematic flowchart in Figure 3-1.

Special data selection rules are applied in the following cases:

- Nitrate in 200-ZP-1: Nitrate in the 200-Area occurs as a large, contiguous plume extending across multiple GIAs. In order to better represent nitrate distribution in both 200-ZP-1 and 200-BP-5 GIAs, the 200-BP-5 measurements are added to the 200-ZP-1 dataset.
- Nitrate and Chromium in 100-HR-3: Only measurements taken during CY2013 are used to generate the interpolation input datasets. Measurements taken in CY2013 provide adequate spatial coverage across the GIA and are considered sufficient to generate plume depictions for these COIs in 100-HR-3 that are representative of CY2013 conditions. In addition, data from previous years may not be representative of current conditions due to the continuous operation of the expansive DX/HX pump-and-treat (P&T) system in the 100-HR-3 throughout 2013.
- Chromium in 100-HR-3 and 100-KR-4: Two chromium plume maps were generated, one representing conditions during the high river stage period (3/26/2013-8/31/2013) and another representing conditions during the low river stage period (9/1/2013-12/31/2013). In addition, due to delay in the sampling schedule, some measurements taken in January 2014 from aquifer tubes in 100-HR-3 were included with the 2013 data.
- Uranium in 300-FF-5: Some measurements taken in January and February 2014 (which were delayed from the normally scheduled December 2013 scheduled events) were included with the 2013 data. Two plume maps were generated, one representing conditions during the high river stage period (5/1/2013-7/31/2013) and another representing conditions during the low river stage period (11/1/2013-2/18/2014).
- All COIs in 100-BC-5: Maps were made which represent conditions only during the low river stage period (9/1/2013-12/31/2013). In addition, excavations and other field activities had immediate impacts on the water levels and corresponding shallow concentrations; therefore measurements taken earlier in the year may not be representative of overall site conditions.

3.3 Development of the Interpolation Input Datasets

The set of input files described in Section 3.1.2 were imported into an R workspace, and saved as data tables in an .Rdata file. All subsequent data processing was done automatically in the R workspace, using the systematic selection/aggregation procedure described below. The schematic flowchart in Figure 3-1 depicts the entire data selection process and input dataset development.

First, concentration data from the original query of the HEIS database were combined with the additional data described earlier to develop a master table including all COI concentration measurements taken at any measurement location for the three-year period between January 1, 2011 and December 31, 2013 and extending to February 18, 2014 for selected COI/GIA combinations. Samples with the "R" qualifier in any HEIS qualifier field were removed from the concentrations table before further processing. Additional samples were also removed based on technical rationale provided by the project scientists, considered to be unrepresentative of the site groundwater conditions. These removed samples are described in detail in corresponding GIA specific subsections of Section 6. After the appropriate samples were removed, the X,Y coordinates, measurement location type, and GIA assignments were appended to the concentration data by joining the concentration data table to a *measurement locations and type* table using an SQL query within the R workspace.

An R script was then used to automatically generate one or more interpolation input data sets for each combination of GIA and COI. The mapping value at each location was determined based on the general and special data selection rules described earlier.

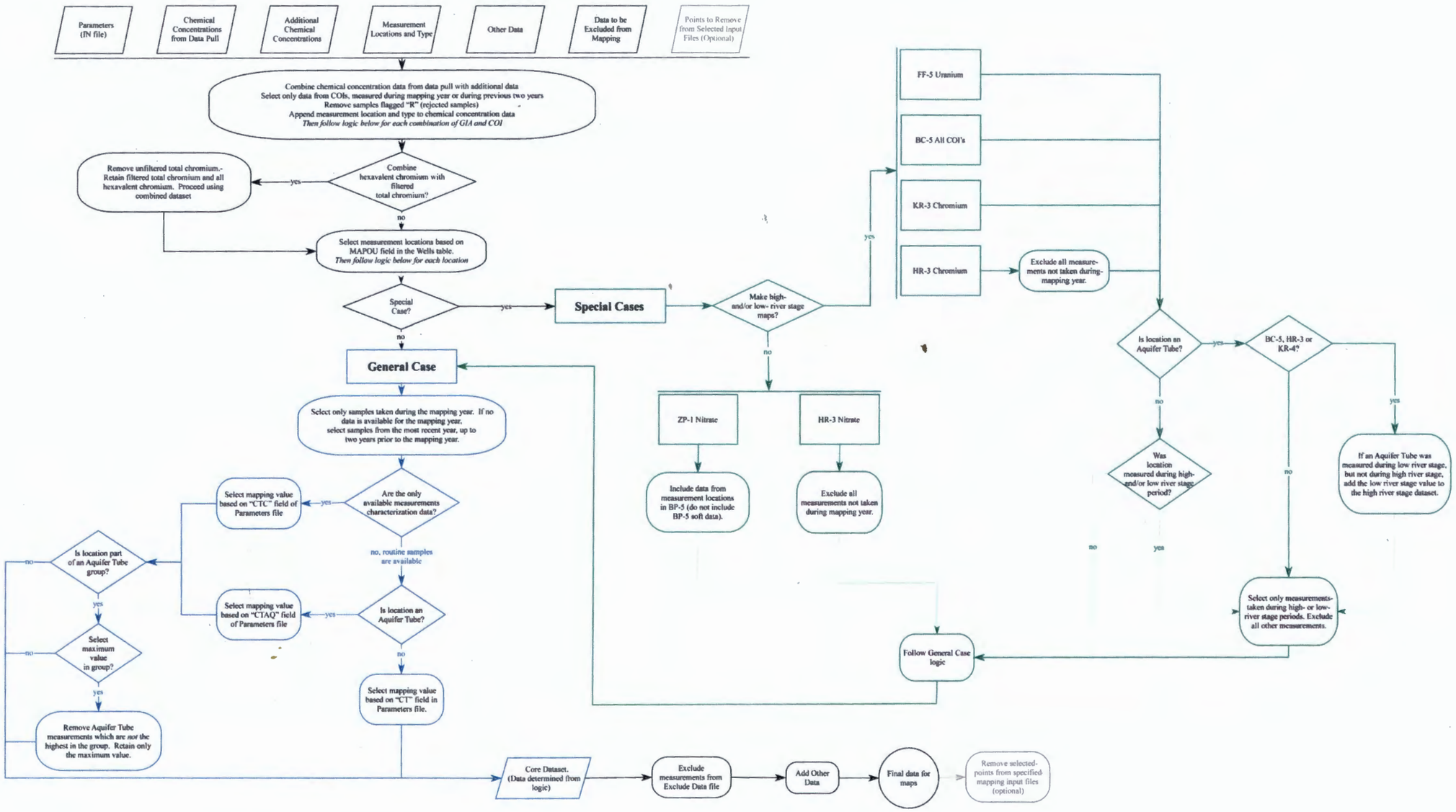

Figure 3-1. Data selection and aggregation procedure for constructing interpolation input datasets

3.4 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; Reed et. al, 2004). The most common of these methods are:

- Logarithmic transformation
- Rank transformation
- Indicator transformation

Data transformations were used for developing the COI distributions described in this ECF. 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 on the basis of previous investigations. A description of each transformation is provided below:

- 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 rank 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 (MIK): The multiple indicator kriging (MIK) approach used here can also be described as prescribed rank or prescribed category kriging for reasons described below. 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

interpolating using kriging, 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).

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 using appropriate concentration intervals. Review of the mapped contamination plumes by experienced GIA scientists ensures that the resulting contaminant depictions comport with the conceptual model of historical plume migration and do not violate conditions or constraints imposed by the site operations or natural conditions. In some cases observations and comments based on initial kriging estimates were used to alter inputs for subsequent kriging estimates. The final product provides an estimate of the concentration for each COI that utilizes a robust estimation technique and the expertise of experienced project scientists at the Hanford Site.

3.5 Numerical Interpolation

Log-transform kriging (LK), quantile kriging (QK) and the variant of multiple-indicator kriging (MIK) used here are accomplished using the program QUANTILE (SSP&A, 2014) that is based upon the United States Geological Survey (USGS) kriging routines of Skrivan and Karlinger (1980). 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 two dimensions (2-D).

A detailed description of the input file structure and data required by QUANTILE is provided in the program documentation (SSP&A, 2014).

3.5.1 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), 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 GSLIB geostatistical library (Deutsch and Journel, 1992). 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 (1D) 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 two-dimensional (2D) (i.e., single-layer) interpolation can be defined in terms of the following parameters (Figure 3-2):

- 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 which 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.

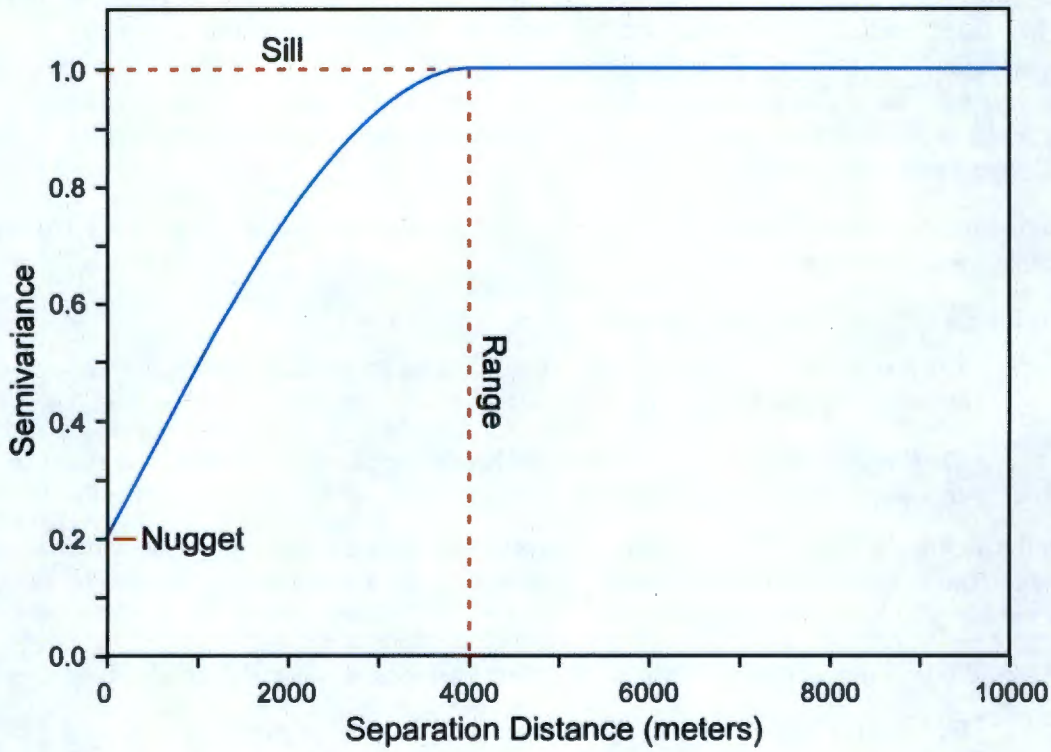

Figure 3-2. Schematic of a modeled semi-variogram, after Bohling, 2005

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.

For the purposes of developing plume depictions for CY2013, no experimental variograms were developed during that process. Instead, variogram models were developed in collaboration with the project scientists to ensure that plume depictions comport with the conceptual model of historical plume migration.

4 Assumptions and Inputs

4.1 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 below:

- 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 (a) previous sampling results or (b) 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 below:

- 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 do not lie within 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. However:
    - 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, under-estimate the contaminant mass.
- Interpolation for different COIs within the same OU may be conducted using different variogram parameters. As mentioned earlier, no experimental variograms were developed during that process. Instead, variogram models were developed in collaboration with the project scientists to ensure that plume depictions comport with the conceptual model of historical plume migration. The interpolation procedure guarantees that development of plume depictions is traceable and repeatable, provided that input data and parameters remain unchanged.

4.2 Inputs

On February 27, 2014, 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, 2013. This dataset included concentrations of chemical constituents and physical parameters in groundwater, measured across the Hanford site, in monitoring wells, injection wells, extraction wells, and aquifer tubes from

October 7, 1951 to December 31, 2013 (3,458,875 records). These data were provided to SSP&A on February 27, 2014 in a Microsoft Access database (C. Arola, personal communication February 27, 2014).

Subsequently to the HEIS query, additional concentration data were provided to SSP&A via electronic mail attachments in March and April 2014, in the form of Microsoft Excel worksheets or PDF tables. These data were not included in the original HEIS query because (a) they were not posted in HEIs by February 27, 2014; (b) they are external to HEIS; and/or (c) sampling was performed after December 31, 2013 but it was determined that these data should be used in plume mapping as representative of low river-stage conditions. The additional data included:

1. 100-NR-2: groundwater samples collected and analyzed as part of the Washington Closure Project between November 14, 2012 and December 19, 2013. (V. Rohay, personal communication, March 26, 2014)
2. 300-FF-5: uranium concentrations measured in wells and aquifer tubes between January 6, 2014 and January 23, 2014 (C. Arola, personal communication, April 17, 2014).
3. 100-HR-3: total chromium and hexavalent chromium concentrations measured in aquifer tubes between January 9, 2014 and February 18, 2014 (C. Arola, personal communication, March 24, 2014).
4. 100-BC-5 and 100-HR-3: total and hexavalent chromium concentrations measured between October 23, 2013 and December 17, 2013. These samples replaced records which had been previously provided as part of the original HEIS data pull. Those records had subsequently been changed during the CHPRC data review process (e.g., new concentration based on laboratory re-analysis) (C. Arola, personal communication, March 17, 2014).
5. 300-FF-5: uranium concentrations measured between October 23, 2013 and December 17, 2013. These samples replaced records which had been previously provided as part of the original HEIS data pull. Those records had subsequently been changed during the CHPRC data review process (C. Arola, personal communication, March 17, 2014).
6. 100-NR-2: tabulated concentrations for petroleum hydrocarbons (TPH-d) for June and December 2013, as presented in the *Annual Operations and Monitoring Report for UPR-100-N-17November 2012 February 2014* (WCH-600, Rev.0) [J. Hulstrom, personal communication, April 28, 2014].

Spatial coordinates, location type, and construction information for all chemical concentration measurement locations were queried from the HEIS database on February 27, 2014.

5 Software Applications

Software use for this calculation was in accordance with PRC-PRO-IRM-309 Controlled Software Management. The following programs are classified as Support Software.

5.1 QUANTILE

The QUANTILE program (*User's Guide for Interpolation using QUANTILE, Version 1.2* [SSP&A, 2014]) 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 United States Geological Survey (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 two dimensions 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, Rev. 2, 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 R

The R programming environment, a language and environment for statistical computing and graphics, (*R: A Language and Environment for Statistical Computing, by R Core Team, R Foundation for Statistical Computing, Vienna, Austria, 2012. ISBN 3-900051-07-0, http://www.R-project.org.; R: A Language for Data Analysis and Graphics, Journal of Computational and Graphical Statistics,* **5**, *299–314, Ihaka & Gentleman, 1996*] 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.

The Checker of this ECF tested the implementation of the scripts developed for the purposes of the calculations described herein and confirmed that all inputs and outputs are consistent with those presented in this document and associated electronic files

5.3 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 Calculation

Calculations were performed following the procedures described in Section 3. Calculations included the following steps:

- Data compilation and reduction
- Assignment of data selection parameters
- Execution of scripts R-workspace to:
    - develop interpolation datasets in corresponding structured folders per COI;
    - run batch processes to (a) interpolate datasets for each COI/GIA combination; and (b) aggregate resulting COI distributions to sitewide mosaics (one per COI)
- Plume area calculations per COI

Details on the calculations under the first two steps and plume area calculations are provided below.

6.1 Development of Interpolation Datasets

6.1.1 Data Compilation and Reduction

Data was compiled and reduced as follows:

1. Chemical Concentrations in Groundwater:

    a. A subset was extracted from the original HEIS query, containing only COI concentration measurements between January 1, 2011 and December 31, 2013 (49,463 records). This subset was saved as the database text file "tbl_GW_Data.csv" (Table A-1). This table is

available in electronic format only and a hard copy is not included in this ECF, due to size restrictions.

b. Additional concentration data, which were not part of the original HEIS query, were formatted and compiled into the database text file "tbl_ChemAppend.csv" (173 records, Table A-2).

Two additional fields were added to both tables, titled "sspaQUAL" and "sspaQUAL_NOTE", to indicate samples removed from the concentration dataset prior to processing, at the request of the GIA Project Scientist and record the reason for removal. These samples are discussed in detail in the GIA-specific subsection(s) later in this Section.

2. Measurement Locations and Type: the tabulated spatial coordinates, location type, and construction information for the measurement locations were saved as the database text file "tbl_WellInfo_ForMaps.csv" (Table A-3). Two additional fields were added to this table: the aquifer tube group and the list of GIAs for which each measurement location should be considered in the interpolation. These fields are described below:

   a. AQT_GROUPID: Aquifer tube groups were assigned using a Geographic Information Systems (GIS) analysis. The aquifer tubes were plotted on a map, and groups were assigned based on the location and relative proximity of the tubes. If a location was not an aquifer tube, or if an aquifer tube was not determined to be part of a group, then this field was left blank.
   b. sspaMAPOU: A GIS analysis was performed in CY2012 for the purposes of plume mapping for CY2011, to determine the set of locations to be used for interpolation input dataset(s) for each GIA. The set of locations selected for a GIA included locations within and in many cases outside the GIA boundary, ensuring continuity in the depiction of plumes extending in multiple GIAs. This field lists one or more GIAs for each measurement location used in any interpolation input dataset.

   Table A-3 is available in electronic format only and a hard copy is not included in this ECF, due to size restrictions.

3. List of Data or Locations to Exclude: selected measurement locations or individual data points were excluded from the mapping datasets at the request of the OU Project Scientist(s), reflecting erroneous measurements or measurements not representative of site conditions. Excluded data points are saved in the database table "tbl_RemoveData.csv" (Table A-4). Excluded data points are discussed in detail in the GIA specific subsections of this Section.

4. Other Data: supplemental measured data points and/or other data were included to reflect known conditions at the site as discussed in Section 3.1.1. These points are included in the interpolation input datasets at the direction of the OU Project Scientists, and are saved as the database table "tbl_Other Data.csv" (Table A-5). These data points are discussed in detail in the GIA specific subsections of Section 6.

5. Data Selection Parameters: data selection and aggregation parameters vary by GIA/COI, as discussed in the presentation of the general and special data selection rules earlier in this ECF. These parameters are listed by GIA and COI the database table "IN_OUCOC_list.csv" (Table A-6). The Data Selection Parameters file is introduced in Section 6.1.2 below and the specific parameters selected for each GIA/COI are described in detail in the GIA specific subsections of this Section.

6.1.2 Data Selection Parameters

For each combination of GIA and COI, a set of parameters are specified in the Data Selection Parameters table (Table A-6). These parameters define how concentration data at each measurement location are selected and processed. Discussion of the parameters for each GIA/COI is provided in the GIA- specific subsections of this Section. Parameters include:

1. DORS: lists all COIs for which high and/or low river stage period maps are made. If no river-stage specific maps are made, this field is left blank.

2. HIGHRIVSTAGE/LOWRIVSTAGE: date ranges which specify high and low river stage periods, respectively. If no river stage specific maps are made, this field is left blank. If river stages are specified, then aggregation is done using data measured only within the specified date ranges (if available), rather than the whole calendar year. The generation of river-stage specific datasets is described in Section 3.2.2, and in the relevant GIA-specific subsections of Section 6.

3. COMBCHROM: parameter applicable only to chromium datasets. If the entry in this field is "yes", then both hexavalent chromium and filtered total chromium measurement are used when calculating average or maximum concentration. Unfiltered total chromium is excluded. If this field is "no" or blank, hexavalent chromium and total chromium are treated as separate COIs. This latter case is not evaluated in this ECF, but the capability is implemented in the code to provide flexibility should such evaluation be required.

4. MAXAQ: parameter applicable to all COIs with a value "yes/no". If the entry in this field is "yes" then average or maximum concentration values for each individual aquifer tube are calculated according to the value in the "CTAQ" field, but only the maximum calculated value for each aquifer tube group is used for the interpolation input datasets. If the entry in this field is "no" or blank, then all aquifer tubes are included in the interpolation input dataset.

5. CT: parameter specifying which aggregation method to use for routine measurements at most locations. Methods used for aquifer tubes and characterization data are specified separately, in the CTAQ and CTC fields, described below. Aggregation methods for routine measurements for the datasets presented in this ECF are:

    a. MEAN_VAL_RPT: the average (mean) of all COI concentration values listed in the "STD_VALUE_RPTD" field of the HEIS database, taken during the period of interest and based on the data selection rules described earlier.

    b. MAX_VAL_RPT: the maximum of all COI concentration values listed in the "STD_VALUE_RPTD" field of the HEIS database, taken during the period of interest and based on the data selection rules described earlier.

    c. MEAN_VALOR_ND_MDA: the average (mean) of all COI concentration values listed in the "STD_VALUE_RPTD" field of the HEIS database, taken during the period of interest and based on the data selection rules described earlier. If the sample is flagged "non-detect", the value in the "STD_VALUE_RPTD" field is replaced with the value in the "STD_MDA" field before averaging.

    d. MAX_ VALOR_ND_MDA: the maximum of all COI concentration values listed in the "STD_VALUE_RPTD" field of the HEIS database taken during the period of interest and based on the data selection rules described earlier. If the sample is flagged "non-detect", the value in the "STD_VALUE_RPTD" field is replaced with the value in the "STD_MDA" before determining the maximum.

6. CTAQ: parameter specifying which aggregation method to use for aquifer tube measurements. Available aggregation methods are the same as listed in the "CT" field as described above. If MAXAQ is "yes", then the aggregation method specified in CTAQ is applied to each aquifer tube, but only the maximum of the resulting values for each group is included in the interpolation input dataset.
7. CTC: parameter specifying which aggregation method to use for characterization data. Available aggregation methods are the same as listed in the "CT" field as described above. Characterization data are only used if no routine measurements are available.

6.2 Plume Mapping by Interest Area

6.2.1 100-BC-5

The list of COIs and data selection parameters is provided in Table 6-1.

Table 6-1. COIs and Data Selection Parameters for 100-BC-5

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
100-BC-5	Hexavalent Chromium; Chromium	Hexavalent Chromium; Chromium	N/A	9/1/2013 - 12/31/2013	y	y	MEAN VAL RPT	MEAN VAL RPT	MAX VAL RPT
100-BC-5	Nitrate	Nitrate	N/A	9/1/2013 - 12/31/2013		y	MEAN VAL RPT	MEAN VAL RPT	MAX VAL RPT
100-BC-5	Strontium-90	Strontium-90	N/A	9/1/2013 - 12/31/2013		y	MEAN VALOR ND MDA	MEAN VALOR ND MDA	MAX VALOR ND MDA
100-BC-5	Tritium	Tritium	N/A	9/1/2013 - 12/31/2013		y	MEAN VALOR ND MDA	MEAN VALOR ND MDA	MAX VALOR ND MDA

Kriging interpolation parameters, along with the name of the corresponding QUANTILE input file(s), are provided in Table 6-2. The QUANTILE input datasets are provided in Appendix B.

Table 6-2. COIs and Interpolation Parameters for 100-BC-5

COI	Kriging Type	Minimum Range (m)	Maximum Range (m)	Angle (degrees)	File Name
Chromium Low river stage	MIK	700	900	35	100-BC-5_ChromComb_LO.dat
Nitrate Low river stage	RNK	1200	1500	0	100-BC-5_Nitrate_LO.dat

Strontium-90 Low river stage	RNK	1200	1500	0	100-BC-5_Strontium-90_LO.dat
Tritium Low river stage	MIK	1200	1600	15	100-BC-5_Tritium_LO.dat

Several wells were excluded from all 100-BC-5 interpolation input files because their screened intervals were outside the aquifer zone of interest, and two aquifer tubes were excluded because they were short-circuited with river water (Table 6-3). All excluded data are listed in Appendix A, Table A-4.

Table 6-3. Measurement Locations Excluded from all 100-BC-5 Interpolation Input Files

Well Name	COI	Reason To Exclude
199-B2-12	ALL	Well screened in water-bearing unit of RUM
199-B2-15	ALL	Well screened in water-bearing unit of RUM
199-B2-16	ALL	Well screened in lower unconfined aquifer.
199-B3-51	ALL	Screened in lower portion of unconfined aquifer. Extent of plume in this area defined by water table well 199-B3-47
199-B5-5	ALL	Well screened in lower unconfined aquifer.
199-B5-6	ALL	Well screened in lower unconfined aquifer.
699-66-91	ALL	Well screened in Basalt
C8852	ALL	Aquifer tube samples affected by short-circuiting of river water
C8856	ALL	Aquifer tube samples affected by short-circuiting of river water

For all COIs, concentration data were pre-processed according to the special data selection procedure outlined for 100-BC-5 in Section 3.2.2 and Figure 3-1. Special data selection rules were used because the majority of data was collected during the low river stage period, 9/1/2013 to 12/31/2013. In addition, excavation and other work had immediate impacts on the water levels and corresponding shallow concentrations, and measurements taken earlier in the year may not be representative of overall site conditions. Therefore, the calculated distributions represent conditions only during the low river stage period, 9/1/2013 to 12/31/2013.

6.2.1.1 Chromium

Chromium was mapped using a single kriging grid covering the entire GIA. The map represents conditions during the low river-stage period, 9/1/2013 to 12/31/2013. Data selection parameters were:

- COMBCHROM: "yes". Both hexavalent chromium and filtered total chromium measurement are used when calculating average or maximum concentration. Unfiltered total chromium is excluded.
- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the low river stage period. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MEAN_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the mean concentration measured during the low river stage period. Mean concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the low river stage period. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

If an aquifer tube was not measured during the low river stage period, the aquifer tube was excluded. If a well was not measured during the low river stage period, then the annual average from the most recent measurement year was used. The data selection process continued according to the general logic outlined in Section 3.2.1 and Figure 3-1.

Type 1 data points, representing maximum 2013 characterization data in the upper portion of the aquifer, were included in the chromium interpolation input dataset. Two Type 3 data points were also added at the direction of the GIA Project Scientist, to represent expected concentrations in an inferred paleochannel (Table 6-4).

Table 6-4. Other Data Points Added to the 100-BC-5 Chromium Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-B4-16	9.5	2013	Hexavalent Chromium	1	2013 characterization maximum in upper portion of aquifer
199-B5-11	36.5	2013	Hexavalent Chromium	1	2013 characterization maximum in upper portion of aquifer
199-B5-13	4.7	2013	Hexavalent Chromium	1	2013 characterization maximum in upper portion of aquifer
199-B5-14	2.8	2013	Hexavalent Chromium	1	2013 characterization maximum in upper portion of aquifer

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-B5-9	12.1	2013	Hexavalent Chromium	1	2013 characterization maximum in upper portion of aquifer
CP41	0	OTHER DATA	Hexavalent Chromium	2	Geologic Control. Value selected to represent inferred paleochannel with expected low concentration.
CP42	0	OTHER DATA	Hexavalent Chromium	2	Geologic Control. Value selected to represent inferred paleochannel with expected low concentration.

One well, well 199-B4-18, was excluded from the Chromium interpolation input file due to unusually low concentrations detected in fall 2013 compared to previous years. (Appendix A, Table A-4).

6.2.1.2 Nitrate

Nitrate was mapped using a single kriging grid covering the entire GIA. The map represents conditions during the low river-stage period, 9/1/2013 to 12/31/2013. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the low river stage period. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MEAN_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the mean concentration measured the during the low river stage period. Mean concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the low river stage period. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

If an aquifer tube was not measured during the low river stage period, the aquifer tube was excluded. If a well was not measured during the low river stage period, then the annual average from the most recent measurement year was used. The data selection process continued according to the general data selection rules outlined in Section 3.2.1 and Figure 3-1.

6.2.1.3 Strontium-90

Strontium-90 was mapped using a single kriging grid covering the entire GIA. The map represents conditions during the low river-stage period, 9/1/2013 to 12/31/2013. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the low river stage period If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MEAN_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the mean concentration measured during the low river stage period. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the low river stage period. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

If an aquifer tube was not measured during the low river stage period, the aquifer tube was excluded. If a well was not measured during the low river stage period, then the annual average from the most recent measurement year was used. The data selection process continued according to the general data selection rules outlined in Section 3.2.1 and Figure 3-1.

Type 1 data points, representing maximum 2013 characterization data in the upper portion of the aquifer, were included in the chromium interpolation input dataset. One Type 1 data point was added at aquifer tube C8843, which represents the corrected value (non-detect) after reanalysis of the original sample. One additional Type 1 data point was added at well 199-B4-16 at the direction of the GIA Project Scientist, to represent prior knowledge of plume configuration (Table 6-5).

Table 6-5. Other Data Points Added to the 100-BC-5 Strontium-90 Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-B4-16	1.3	2013	Strontium-90	1	2013 MDA from characterization data (all characterization values non-detect)
199-B4-18	2.6	2013	Strontium-90	1	2013 characterization maximum in upper portion of aquifer
199-B5-11	1.6	2013	Strontium-90	1	2013 characterization maximum in upper portion of aquifer
199-B5-13	1.7	2013	Strontium-90	1	2013 characterization maximum in upper portion of aquifer
199-B5-14	2.3	2013	Strontium-90	1	2013 characterization maximum in upper portion of aquifer

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-B5-9	0	2013	Strontium-90	1	2013 characterization maximum in upper portion of aquifer
C8843	1	2013	Strontium-90	1	Value based on non-detect result from re-analysis of original sample conducted in Feb 2014

6.2.1.4 Tritium

Tritium was mapped using a single kriging grid covering the entire GIA. The map represents conditions during the low river-stage period, 9/1/2013 to 12/31/2013. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the low river stage period If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MEAN_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the mean concentration measured during the low river stage period. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the low river stage period. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

If an aquifer tube was not measured during the low river stage period, the aquifer tube was excluded. If a well was not measured during the low river stage period, then the annual average from the most recent measurement year was used. The data selection process continued according to the general data selection rules outlined in Section 3.2.1 and Figure 3-1.

Several Type 1 data points, representing maximum 2013 characterization data in the upper portion of the aquifer, were included in the chromium interpolation input dataset (Table 6-6).

Table 6-6. Other Data Points Added to the 100-BC-5 Tritium Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-B4-16	3200	2013	Tritium	1	2013 characterization maximum in upper portion of aquifer

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-B4-18	12100	2013	Tritium	1	2013 characterization maximum in upper portion of aquifer
199-B5-11	12000	2013	Tritium	1	2013 characterization maximum in upper portion of aquifer
199-B5-13	6400	2013	Tritium	1	2013 characterization maximum in upper portion of aquifer
199-B5-14	1800	2013	Tritium	1	2013 characterization maximum in upper portion of aquifer
199-B5-9	8500	2013	Tritium	1	2013 characterization maximum in upper portion of aquifer

6.2.2 100-FR-3

The list of COIs and data selection parameters is provided in Table 6-7.

Table 6-7 COIs and Data Selection Parameters for 100-FR-3

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
100-FR-3	Hexavalent Chromium; Chromium				y	y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-FR-3	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-FR-3	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-FR-3	Trichloro-ethene					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT

Kriging interpolation parameters, along with the name of the corresponding QUANTILE input file(s), are provided in Table 6-8. The QUANTILE input datasets are provided in Appendix B.

Table 6-8 COIs and Interpolation Parameters for 100-FR-3

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Chromium	MIK	800	1400	45	100-FR-3_ChromComb.dat
Nitrate	RNK	3000	3000	130	100-FR-3_Nitrate.dat
Strontium-90	MIK	400	400	45	100-FR-3_Strontium-90.dat
Trichloroethene	MIK	1000	1000	70	100-FR-3_Trichloroethene.dat

Two wells were excluded from all 100-FR-3 interpolation input files because their screened intervals were outside the aquifer zone of interest. Concentration measurements taken from several temporary boreholes were not used, because they were considered non-representative of the aquifer (Table 6-9). All excluded data are listed in Appendix A, Table A-4.

Table 6-9.Measurement Locations Excluded from all 100-FR-3 Interpolation Input Files

Well Name	COI	Reason To Exclude
199-F5-43B	ALL	Well screened in water-bearing unit of RUM
199-F5-53	ALL	Well screened in water-bearing unit of RUM
C8218	ALL	Temporary direct push borehole for 600-127 Waste Site to 3.2 feet bgs. Groundwater sample results not considered representative
C8219	ALL	Temporary direct push borehole for 600-127 Waste Site to 2.3 feet bgs. Groundwater sample results not considered representative
C8220	ALL	Temporary direct push borehole for 600-127 Waste Site to 5.3 feet bgs. Groundwater sample results not considered representative
C8221	ALL	Temporary direct push borehole for 600-127 Waste Site to 4 feet bgs. Groundwater sample results not considered representative
C8222	ALL	Temporary direct push borehole for 600-127 Waste Site to 4 feet bgs. Groundwater sample results not considered representative

6.2.2.1 Chromium

Chromium was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data selection parameters were:

- COMBCHROM: "yes". Both hexavalent chromium and filtered total chromium measurement are considered when calculating average or maximum concentration. Unfiltered total chromium is excluded.
- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent measurement year. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

6.2.2.2 Nitrate

Nitrate was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent measurement year. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Two Type 1 data points were added to represent measured concentrations measured at aquifer tubes 74-D and 75-D, which were measured in January 2014 due to a delay in the sampling schedule (Table 6-10).

Table 6-10. Other Data Points Added to the 100-FR-3 Nitrate Interpolation Input File

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
74-D	6680	2014	Nitrate	1	January 2014 result. The 2013 sampling event of several 100-F aquifer tubes was delayed.
75-D	29500	2014	Nitrate	1	January 2014 result. The 2013 sampling event of several 100-F aquifer tubes was delayed.

6.2.2.3 Strontium-90

Strontium-90 was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-7, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Three Type 1 data points at the locations of wells 199-F7-2, 199-F5-48, and 199-F8-2 were added at the direction of the GIA Project Scientist. These wells were last measured in 2010, when concentrations were all below MDA. A value of 0 (zero) was used at these locations (Table 6-11).

Table 6-11. Other Data Points Added to the 100-FR-3 Strontium-90 Interpolation Input File

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-F7-2	0	2010	Strontium-90	1	Well not sampled since 2010. Strontium-90 never detected in well. Value assigned based on inferred extent of strontium-90 plume.
199-F5-48	0	2010	Strontium-90	1	Well not sampled since 2010. Strontium-90 never detected in well. Value assigned based on inferred extent of strontium-90 plume.
199-F8-2	0	2010	Strontium-90	1	Well not sampled since 2010. Strontium-90 never detected in well. Value assigned based on inferred extent of strontium-90 plume.

6.2.2.4 Trichloroethene

Trichloroethene was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent measurement year. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

6.2.3 100-HR-3

The list of COIs and data selection parameters is provided in Table 6-12.

Table 6-12 COIs and Data Selection Parameters for 100-HR-3

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
100-HR-3	Hexavalent Chromium; Chromium	Hexavalent Chromium; Chromium	3/26/2013 - 8/31/2013	9/1/2013 - 2/18/2014	y	y	MEAN VAL RPT	MEAN VAL RPT	MAX VAL RPT
100-HR-3	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-HR-3	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-HR-3	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA

Kriging interpolation parameters, along with the name of the corresponding QUANTILE input file(s), are provided in Table 6-13. The QUANTILE input datasets are provided in Appendix B.

Table 6-13 COIs and Interpolation Parameters for 100-HR-3

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
Chromium	MIK	2000	2000	0	100-HR-3-D_ChromComb_HI.dat

COI	Kriging Type	Minimum Range	Maximum Range	Angle	File Name
High river stage 100-D area					
Chromium High river stage 100-H area	MIK	1000	1300	90	100-HR-3-H_ChromComb_HI.dat
Chromium Low river stage 100-D area	MIK	2000	2000	-40	100-HR-3-D_ChromComb_LO.dat
Chromium Low river stage 100-H area	MIK	1000	1300	80	100-HR-3-H_ChromComb_LO.dat
Nitrate	MIK	800	1000	310	100-HR-3_Nitrate.dat
Strontium-90	MIK	300	600	100	100-HR-3_Strontium-90.dat
Tritium	MIK	1000	1000	0	100-HR-3_Tritium.dat

Several wells were excluded from all 100-HR-3 interpolation input files because their screened intervals were outside the aquifer zone of interest. One well, well 199-H1-3, was excluded from all interpolation input files at the request of the GIA Project Scientist because the well was not sufficiently purged prior to sampling (Table 6-14). All excluded data are listed in Appendix A, Table A-4.

Table 6-14. Measurement Locations Excluded from all 100-HR-3 Interpolation Input Files

Well Name	COI	Reason To Exclude
199-D5-134	ALL	Well screened in the RUM
199-D5-141	ALL	Well screened in the RUM
199-D8-54B	ALL	Well screened in the RUM
199-H2-1	ALL	Well screened in the RUM
199-H3-10	ALL	Well screened in the RUM
199-H3-2C	ALL	Well screened in the RUM
199-H3-9	ALL	Well screened in the RUM
199-H4-12C	ALL	Well screened in the RUM
199-H4-15CP	ALL	Well screened in Basalt
199-H4-15CQ	ALL	Well screened in Ringold Unit A
199-H4-15CR	ALL	Well screened in Ringold Unit B
199-H4-15CS	ALL	Well screened in the RUM
199-H4-2	ALL	Well screened in Basalt
699-97-43C	ALL	Well screened in the RUM
699-97-45B	ALL	Well screened in the RUM
699-97-48C	ALL	Well screened in the RUM

Well Name	COI	Reason To Exclude
199-H1-3	ALL	This well is sampled without a sufficient purge volume to get representative groundwater in the conveyance line prior to sampling.
199-H4-90	ALL	Well screened in the RUM
199-H4-91	ALL	Well screened in the RUM

6.2.3.1 Chromium

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. Due to delay in the sampling schedule, some measurements taken in January and February 2014 from aquifer tubes in 100-HR-3 were included with the 2013 data, before data processing. These samples are listed in Table A-2.

The 100-HR-3 chromium concentration data were pre-processed according to the special data selection procedure outlined in Section 3.2.2 and Figure 3-1. Special data selection rules were used for several reasons. Measurements taken in 2013 provided adequate spatial coverage across the GIA; in addition, an expansive pump-and-treat (P&T) system operated in the 100-HR-3 area throughout 2013, so data from previous years (before the current P&T configuration was fully operational) may not be representative of conditions during CY 2013. Therefore, only CY 2013 data was used for maps. Review of specific conductance data also suggested that significant variations in chromium concentration occur in response to annual fluxuations in the Colombia River stage. Therefore, two chromium plume maps were generated, one representing conditions during the high river stage period and another representing conditions during the low river stage period (9/1/2013-2/18/2014).

First, all measurements taken prior to CY 2013 were excluded. Then, two datasets were generated, representing the high river stage period, 3/26/2013 to 8/31/2013, and the low river-stage period, 9/1/2013 to 2/18/2014, respectively. For both the high and low river stage datasets, data selection parameters were:

- COMBCHROM: "yes". Both hexavalent chromium and filtered total chromium measurement are used when calculating average or maximum concentration. Unfiltered total chromium is excluded.
- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the river stage period. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MEAN_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the mean concentration measured during the river stage period. Mean concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded. If an aquifer tube was not measured during either the high river stage period, or the low river stage period, it was excluded. However, if an aquifer tube was measured during the low river-stage period, but not during the high river-stage period, the low river-stage period value was added to the high river-stage period dataset.

- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the river stage period. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

For the high river stage period (3/26/2013 to 8/31/2013):

For aquifer tubes and wells, mean concentration measured during the high river stage period was used for the interpolation input files. If a well was not measured during the high river stage period, then the annual average for CY 2013 was used. If an aquifer tube was not measured during the high river stage period, but was measured during the low river stage period, then the low river stage mean concentration was included in the high river stage input files. If an aquifer tube was not measured during either the high- or low river stage periods, it was excluded. The data selection process then continued according to the general data selection rules outlined in Section 3.2.1 and Figure 3-1.

For the low river stage period (9/1/2013-2/18/2014):

For aquifer tubes and wells, mean concentration measured during the low river stage period was used for the interpolation input files. If a well was not measured during the low river stage period, then the annual average for CY 2013 was used. If an aquifer tube was not measured during the low river stage period, it was excluded. The data selection process then continued according to the general data selection rules outlined in Section 3.2.1 and Figure 3-1.

For both the high- and low river stage maps, Type 1 data points representing average effluent concentrations were added at the locations of the 100-HR-3 area injection wells. One Type 3 data point with two different values (for high and low river stage conditions) was added at the direction of the GIA Project Scientist to represent prior knowledge of plume configuration (Table 6-15).

Table 6-15. Other Data Points Added to the 100-HR-3 Chromium Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_2013_35	15	OTHER DATA	Chromium	3	Control Point: Concentration based on inferred plume extent during high river stage.
CP_2013_35	20	OTHER DATA	Chromium	3	Control Point: Concentration based on inferred plume extent during low river stage.
199-D2-10	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D2-12	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-128	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-129	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-42	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-D5-44	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-1	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-2	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-4	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-5	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-55	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-93	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-94	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-99	1.9	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-H1-20	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H1-21	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-25	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-26	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-27	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-17	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-18	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-71	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-72	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-73	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-H4-74	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-78	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-79	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H6-2	0.36	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System

6.2.3.2 Nitrate

Nitrate was mapped using a single kriging grid covering the entire GIA. The HR-3 data was pre-processed according to the special data selection procedure outlined in Section 3.2.2 and Figure 3-1. Special Cases logic was applied because measurements taken in 2013 provided adequate spatial coverage across the GIA. In addition, an expansive pump-and-treat (P&T) system operated in the 100-HR-3 area throughout 2013, so data from previous years (before the current P&T configuration was fully operational) may not be representative of conditions during CY 2013.Therefore, all measurements taken before CY 2013 were excluded. Then, the data selection progressed according to the general data selection rules outlined in Section 3.2.1 and Figure 3-1, using only CY 2013 data. Data section parameters are listed in Table 6-12, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Type 1 data points representing average effluent concentrations were added at the locations of the 100-HR-3 area injection wells. In addition, one Type 1 data point was added at well 199-D8-101, at the direction of the GIA Project Scientist. The well was measured only once, in October CY 2013. Historical

data suggests that higher concentrations occur in the summer, so the concentration value determined using the logic described above was replaced with the three-year average concentration (Table 6-16).

Table 6-16. Other Data Points Added to the 100-HR-3 Nitrate Interpolation Input File

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-D2-10	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D2-12	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-128	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-129	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-42	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-44	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-1	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-2	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-4	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-5	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-55	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-93	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-94	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-99	13125	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-H1-20	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-H1-21	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-25	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-26	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-27	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-17	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-18	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-71	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-72	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-73	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-74	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-78	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-79	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H6-2	12533	2013	Nitrate	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-D8-101	45560	OTHER DATA	Nitrate	1	Well measured only in fall. Higher concentrations are typically measured in the summer in this well (not fall). Value is three year average from 2011, 2012, and 2013..

6.2.3.3 Strontium-90

Strontium-90 was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-12, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Type 1 data points representing average effluent concentrations were added at the locations of the 100-HR-3 area injection wells (Table 6-17, Table A-5).

Table 6-17. Other Data Points Added to the 100-HR-3 Strontium-90 Interpolation Input File

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-D2-10	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D2-12	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-128	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-129	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-42	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-44	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-1	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-2	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-4	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-5	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-55	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-93	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-94	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-D8-99	1.1	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-H1-20	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H1-21	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-25	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-26	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-27	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-17	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-18	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-71	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-72	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-73	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-74	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-78	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-79	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H6-2	1.7	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System

6.2.3.4 Tritium

Tritium was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-12, and the final interpolation input dataset is provided in Appendix XXX. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer

tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Type 1 data points representing average effluent concentrations were added at the locations of the 100-HR-3 area injection wells (Table 6-18).

Table 6-18. Other Data Points Added to the 100-HR-3 Tritium Interpolation Input File

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-D2-10	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D2-12	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-128	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-129	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-42	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-44	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-1	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-2	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-4	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-5	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-55	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-93	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-94	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-D8-99	2150	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-H1-20	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H1-21	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-25	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-26	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-27	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-17	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-18	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-71	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-72	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-73	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-74	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-78	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-79	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H6-2	1027	2013	Tritium	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System

6.2.4 100-KR-4

The list of COIs and data selection parameters is provided in Table 6-19.

Table 6-19. COIs and Data Selection Parameters for 100-KR-4

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
100-KR-4	Carbon-14					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-KR-4	Hexavalent Chromium; Chromium	Hexavalent Chromium; Chromium	3/26/2013 - 8/31/2013	9/1/2013 - 12/31/2013	y	y	MEAN VAL RPT	MEAN VAL RPT	MAX VAL RPT
100-KR-4	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-KR-4	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-KR-4	Trichloro-ethene					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-KR-4	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA

Kriging interpolation parameters, along with the name of the corresponding QUANTILE input file(s), are provided in Table 6-20. The QUANTILE input datasets are provided in Appendix B.

Table 6-20. COIs and Interpolation Parameters for 100-KR-4

COI	Kriging Type	Minimum Range (m)	Maximum Range (m)	Angle (degrees)	File Name
Carbon-14	RNK	350	700	300	100-KR-4_Carbon_14.dat
Chromium High river stage K- North Area	MIK	650	1170	345	100_KR-4_KN_ChromComb_HI.dat
Chromium High river stage K- East/West Area	MIK	650	1000	300	100_KR-4_KW_KE_ChromComb_HI.dat
Chromium Low river stage K- North Area	MIK	650	1170	344	100_KR-4_KN_ChromComb_LO.dat
Chromium Low river stage K - East/West Area	MIK	350	1000	300	100_KR-4_KW_KE_ChromComb_LO.dat
Nitrate	RNK	350	700	300	100-KR-4_Nitrate.dat

COI	Kriging Type	Minimum Range (m)	Maximum Range (m)	Angle (degrees)	File Name
Strontium-90 K- North Area	MIK	400	600	335	100_KR-4_KN_Strontium-90.dat
Strontium-90 K - East/West Area	MIK	350	700	300	100_KR-4_KW_KE_Strontium-90.dat
Trichloroethene	RNK	350	700	300	100-KR-4_Trichloroethene.dat
Tritium	MIK	350	700	300	100-KR-4_Tritium.dat

Several wells were excluded from all 100-KR-4 interpolation input files because their screened intervals were outside the aquifer zone of interest. Several additional wells were excluded at the direction of the GIA Project Scientist because measured concentrations were not considered to be representative of the aquifer (Table 6-21). All excluded data are listed in Appendix A, Table A-4.

Table 6-21. Measurement Locations Excluded from all 100-KR-4 Interpolation Input Files

Well Name	COI	Reason To Exclude
199-K-109A	ALL	Well decommissioned in 2008. Data from 2008 no longer considered representative of plume conditions.
199-K-192	ALL	Well screened in the RUM
199-K-195	ALL	Well decommissioned in 2011. Data no longer considered representative of plume conditions. A replacement well,199-K-205, has been drilled
199-K-27	ALL	Well decommissioned in 2008. Data from 2008 no longer considered representative of plume conditions.
199-K-32B	ALL	Well screened in the RUM
199-N-70	ALL	Well screened more than 15 ft below water table. Concentrations of analytes lower compared to concentrations detected by nearby water table wells
199-N-77	ALL	Well screened more than 15 ft below water table. Concentrations of analytes lower compared to concentrations detected by nearby water table wells
199-N-80	ALL	Well screened in RUM.

Well Name	COI	Reason To Exclude
C8205	ALL	Drilled as a Grounding Well. Groundwater samples collected during drilling not considered representative of current groundwater conditions

6.2.4.1 Carbon-14

Carbon-14 was mapped using a single kriging grid covering the entire GIA. Measurement locations in the 100-NR-2 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-19, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Type 1 data points representing average effluent concentrations were added at the locations of the 100-KR-4 area injection wells. Two migrated and one interpolated data point calculated for the CY2012 plume distributions were also included. All Type 1/3 data points are listed in Table 6-22.

Table 6-22. Other Data Points Added to the 100-KR-4 Carbon-14 Interpolation Input File

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-106A MIG	39532	OTHER DATA	Carbon-14	3	Migrated Data
199-K-121A	14.7	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	14.7	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	14.7	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-128	14.7	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	58.8	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	58.8	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	640.5	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	58.8	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	58.8	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	58.8	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-169	58.8	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	58.8	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	58.8	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-174	640.5	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	640.5	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-179	14.7	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	58.8	2013	Carbon-14	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-30 MIG	22948	OTHER DATA	Carbon-14	3	Migrated Data
C14 2-West	3761.82	OTHER DATA	Carbon-14	3	Interpolated Data

6.2.4.2 Chromium

Chromium maps were developed considering two separate areas, roughly corresponding to 100-KR-4 North, and the 100-KR-4 East/West areas, respectively, using a fine interpolation grid in each area. For all chromium maps, measurement locations in the 100-NR-2 GIA were included to ensure plume continuity across the GIA boundary. The 100-KR-4 chromium concentration data were pre-processed according to the special data selection procedure outlined in Section 3.2.2 and Figure 3-1. Special data selection rules were used because data review suggested that significant variations in chromium concentration occur in response to annual fluctuations in the Colombia River stage. Therefore, two chromium plume maps were generated, one representing conditions during the high river stage period and another representing conditions during the low river stage period.

Two chromium datasets were generated, representing the high river stage period, 3/26/2013 to 8/31/2013, and the low river-stage period, 9/1/2013 to 12/31/2013, respectively. For both the high and low river stage datasets, data selection parameters were:

- COMBCHROM: "yes". Both hexavalent chromium and filtered total chromium measurement are used when calculating average or maximum concentration. Unfiltered total chromium is excluded.
- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the river stage period. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MEAN_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the mean concentration measured during the river stage period. Mean concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded. If an aquifer tube was not measured during either the high river stage period, or the low river stage period, it was excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the river stage period. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

For the high river stage period (3/26/2013 to 8/31/2013):

For aquifer tubes and wells, mean concentration measured during the high river stage period was used for the interpolation input files. If a well was not measured during the high river stage period, then the annual average for the most recent measurement year was used. If an aquifer tube was not measured during the high river stage period, but was measured during the low river stage period, then the low river stage mean concentration was included in the high river stage input files. The data selection process then continued according to the general data selection rules outlined in Section 3.2.1 and Figure 3-1.

For the low river stage period (9/1/2013-12/31/2013):

For aquifer tubes and wells, mean concentration measured during the low river stage period was used for the interpolation input files. If a well was not measured during the low river stage period, then the annual

average for the most recent measurement year was used. If an aquifer tube was not measured during the low river stage period, it was excluded. The data selection process then continued according to the general data selection rules outlined in Section 3.2.1 and Figure 3-1.

In both the high and low river stage datasets, Type 1 data points representing average effluent concentrations were added at the locations of the 100-KR-4 area injection wells. Two additional points were added: (1) well 199-K-30, which was decommissioned in January 2011 and the last concentration measurement, taken in December 2010, was included; and (2) well 199-K-205 where the value from the sampling event in January 2014 was considered (Table 6-23).

Table 6-23. Other Data Points Added to the 100-KR-4 Chromium Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-121A	0.58	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	0.58	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	0.58	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-128	0.58	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	0.56	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	0.56	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	1.1	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	0.56	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	0.56	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	0.56	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-169	0.56	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	0.56	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-172	0.56	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-174	1.1	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	1.1	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-179	0.58	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	0.56	2013	Hexavalent Chromium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-205	3820	2014	Hexavalent Chromium	1	Hexavalent chromium 199-K-205 use a value 3820 ug/L (1/9/2014 sample result)
199-K-30	7.3	2010	Hexavalent Chromium	1	Result from last sampling event on 12/2/2010. Well decommissioned in January 2011.

6.2.4.3 Nitrate

Nitrate was mapped using a single kriging grid covering the entire GIA. Measurement locations in the 100-NR-2 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-19, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most

recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Type 1 data points representing average effluent concentrations were added at the locations of the 100-KR-4 area injection wells (Table 6-24).

Table 6-24. Other Data Points Added to the 100-KR-4 Nitrate Interpolation Input File

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-121A	5239	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	5239	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	5239	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-128	5239	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	23350	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-169	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-174	23350	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	23350	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-179	5239	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System

6.2.4.4 Strontium-90

Strontium-90 maps were developed considering two separate areas, roughly corresponding to 100-KR-4 North, and the 100-KR-4 East/West areas, respectively, using a fine interpolation grid in each area. Measurement locations in the 100-NR-2 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-19, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Type 1 data points representing average effluent concentrations were added at the locations of the 100-KR-4 area injection wells. Two migrated data points and one interpolated data point calculated for the CY2012 plume distributions were included. The reported value at well 199-K-202 was suspected to be an error, so it was replaced by the lowest MDA available, at the direction of the GIA Project Scientist. Well 199-K-30 was decommissioned in January 2011, so the last measurement, from December 2010, was used. (Table 6-25).

Table 6-25. Other Data Points Added to the 100-KR-4 Strontium-90 Interpolation Input File

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-107A MIG	49.2	OTHER DATA	Strontium-90	3	Migrated Data
199-K-109A MIG	13195	OTHER DATA	Strontium-90	3	Migrated Data
199-K-121A	2.2	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	2.2	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	2.2	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-128	2.2	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	1.5	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-169	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-174	1.5	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	1.5	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KW P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-179	2.2	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-202	1.5	2013	Strontium-90	1	Chuck Miller questioned the value of 10 pCi/L from K-202. Use the lowest MDA available for the data (in this instance 1.5).
199-K-30	0	2010	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)
Sr90 2-West	14.21	OTHER DATA	Strontium-90	3	Interpolated Data

Three points were removed at the request of the GIA Project Scientist, because they were not representative of the aquifer (Table 6-26).

Table 6-26. Measurements Excluded from the 100-KR-4 Strontium-90 Interpolation Input Files

Well Name	COI	Reason To Exclude
199-N-120	Strontium-90	Exclude Sr-90 data only. Well screened with 5 ft length screen more than 15 ft below water table. Concentrations of Sr-90 much lower compared to concentrations detected by nearby water table wells
199-N-121	Strontium-90	Exclude Sr-90 data only. Well screened with 5 ft length screen at bottom of unconfined aquifer more than 15 ft below water table. Concentrations of Sr-90 much lower compared to concentrations detected by nearby water table wells
199-N-69	Strontium-90	Exclude Sr-90 data only. Well screened more than 15 ft below water table. Concentrations of Sr-90 much lower compared to concentrations detected by nearby water table wells

6.2.4.5 Trichloroethene

Trichloroethene was mapped using a single kriging grid covering the entire GIA. Measurement locations in the 100-NR-2 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-19, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Type 1 data points representing average effluent concentrations were added at the locations of the 100-KR-4 area injection wells, and the measurement taken in January 2014 in well 199-K-205 was included at the direction of the GIA Project scientist. (Table 6-27).

Table 6-27. Other Data Points Added to the 100-KR-4 Trichloroethene Interpolation Input File

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-158	4.8	2013	Trichloroethene	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-174	4.8	2013	Trichloroethene	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	4.8	2013	Trichloroethene	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-205	4.9	2014	Trichloroethene	1	100-KR-4 TCE Use K-205 from Jan 2014 (4.9 ug/L)

6.2.4.6 Tritium

Tritium was mapped using a single kriging grid covering the entire GIA. Measurement locations in the 100-NR-2 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-19, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.

- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Type 1 data points representing average effluent concentrations were added at the locations of the 100-KR-4 area injection wells. (Table 6-28).

Table 6-28. Other Data Points Added to the 100-KR-4 Tritium Interpolation Input File

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-121A	9250	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	9250	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	9250	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-128	9250	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	1550	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-169	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-174	1550	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	1550	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-179	9250	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System

6.2.5 100-NR-2

The list of COIs and data selection parameters is provided in Table 6-29. Total petroleum hydrocarbons (diesel) were mapped considering two additional cases, considering only data collected during June 2013 and December 2013, respectively. Therefore, no data selection parameters are listed in Table 6-29 for those two cases.

Table 6-29. COIs and Data Selection Parameters for 100-NR-2

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
100-NR-2	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-NR-2	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-NR-2	Total petroleum hydro-carbons - diesel range					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
100-NR-2	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA

Kriging interpolation parameters, along with the name of the corresponding QUANTILE input files, are provided in Table 6-30. The QUANTILE input datasets are provided in Appendix B.

Table 6-30. COIs and Interpolation Parameters for 100-NR-2

COI	Kriging Type	Minimum Range (m)	Maximum Range (m)	Angle (degrees)	File Name
Nitrate	MIK	850	1700	330	100-NR-2_Nitrate.dat
Strontium-90 100-NR-2 (Main GIA)	MIK	400	600	10	100-NR-2_Strontium-90.dat
Strontium-90 100-NR-2 C7934 Area	MIK	40	80	335	100-NR_C7934_Strontium-90.dat
Total petroleum hydrocarbons - diesel range (TPHd)	MIK	2000	4000	290	100-NR-2_Total petroleum hydrocarbons - diesel range.dat
Total petroleum hydrocarbons - diesel range (TPHd) June 2013	MIK	2000	4000	290	100-NR-2_TPH_Jun2013.dat
Total petroleum hydrocarbons - diesel range (TPHd) December 2013	MIK	2000	4000	290	100-NR-2_TPH_Dec2013.dat
Tritium	RNK	400	350	40	100-NR-2_Tritium.dat

Several wells were excluded from all 100-NR-2 interpolation input files because their screened intervals were outside the aquifer zone of interest. Several additional wells were excluded at the direction of the GIA Project Scientist because measured concentrations were not considered to be representative of the aquifer (Table 6-31). All excluded data are listed in Appendix A, Table A-4.

Table 6-31. Measurement Locations Excluded from all 100-NR-2 Interpolation Input Files

Well Name	COI	Reason To Exclude
199-K-109A	ALL	Well decommissioned in 2008. Data from 2008 no longer considered representative of plume conditions.

Well Name	COI	Reason To Exclude
199-K-192	ALL	Well screened in the RUM
199-K-195	ALL	Well decommissioned in 2011. Data no longer considered representative of plume conditions.A replacement well 199-K-205 has been drilled.
199-K-27	ALL	Well decommissioned in 2008. Data from 2008 no longer considered representative of plume conditions.
199-K-32B	ALL	Well screened in the RUM
199-N-182	ALL	100-NR-2 Strontium-90 N-182: remove from dataset (different screened interval); All applicable GIA/COI
199-N-70	ALL	Well screened more than 15 ft below water table. Concentrations of analytes lower compared to concentrations detected by nearby water table wells
199-N-77	ALL	Well screened more than 15 ft below water table. Concentrations of analytes lower compared to concentrations detected by nearby water table wells
199-N-80	ALL	Well screened in RUM.
C8205	ALL	Drilled as a Grounding Well. Groundwater samples collected during drilling not considered representative of current groundwater conditions

6.2.5.1 Nitrate

Nitrate was mapped using a single kriging grid covering the entire GIA. Measurement locations in the 100-KR-4 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-29, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values

below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Type 1 data points representing average effluent concentrations were added at the locations of the 100-KR-4 area injection wells (Table 6-32).

Table 6-32. Other Data Points Added to the 100-NR-2 Nitrate Interpolation Input File

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-121A	5239	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	5239	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	5239	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	23350	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-169	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-174	23350	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	23350	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-179	5239	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	12000	2013	Nitrate	1	Average 2013 P&T Effluent concentration for 100-KX P&T System

6.2.5.2 Strontium-90

Strontium-90 maps were developed using two different interpolation grids. The first grid encompasses most of the main 100-NR-2 GIA. The second, finer-resolution, grid encompasses only the immediate vicinity of aquifer tube C7934. Points used for the fine-resolution, small scale map near C7934 were excluded from the dataset used for the main GIA. Locations from the 100-KR-4 GIA were included with the main 100-NR-2 dataset to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed for both datasets. Data selection parameters are listed in Table 6-29, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Type 1 data points representing average effluent concentrations were added at the locations of the 100-KR-4 area injection wells. Two migrated data points calculated for the CY2012 plume distributions were included. Well 199-K-30 was decommissioned in January 2011, so the last measurement, from December 2010, was used. (Table 6-33).

Table 6-33. Other Data Points Added to the 100-NR-2 Stronitum-90 Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-107A MIG	49.2	OTHER DATA	Strontium-90	3	Migrated Data
199-K-109A MIG	13195	OTHER DATA	Strontium-90	3	Migrated Data
199-K-121A	2.2	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	2.2	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	2.2	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	1.5	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-169	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-174	1.5	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	1.5	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KW P&T System

Table 6-33. Other Data Points Added to the 100-NR-2 Stronitum-90 Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-179	2.2	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	4.9	2013	Strontium-90	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-30	0	2010	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)

Four points were removed at the request of the GIA Project Scientist, because they were not representative of the aquifer (Table 6-34).

Table 6-34. Measurements Excluded from the 100-NR-2 Strontium-90 Interpolation Input Files

Well Name	COI	Reason To Exclude
199-N-120	Strontium-90	Exclude Sr-90 data only. Well screened with 5 ft length screen more than 15 ft below water table. Concentrations of Sr-90 much lower compared to concentrations detected by nearby water table wells
199-N-121	Strontium-90	Exclude Sr-90 data only. Well screened with 5 ft length screen at bottom of unconfined aquifer more than 15 ft below water table. Concentrations of Sr-90 much lower compared to concentrations detected by nearby water table wells
199-N-69	Strontium-90	Exclude Sr-90 data only. Well screened more than 15 ft below water table. Concentrations of Sr-90 much lower compared to concentrations detected by nearby water table wells
199-N-32	Strontium-90	100-NR-2 plume maps - Strontium -90: Post data for well N-32 but do not use the Sr-90 value in the mapping.

6.2.5.3 Total Petroleum hydrocarbons – Diesel Range (TPH-d)

Total petroleum hydrocarbons-diesel range (TPH-d) were mapped using a single kriging grid covering the entire GIA. Locations from the 100-KR-4 GIA were included with the 100-NR-2 dataset to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed, except for the two depictions corresponding to June 2013 and December 2013 data only. Data section parameters are listed in Table 6-29, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

One Type 3 data point CP_2013_43 was included at the standard value reported, to control plume extents.

Table 6.34a. Other Data Points Added to the 100-NR-2 Total Petroleum hydrocarbons – Diesel Range Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_2013_43	70	OTHER DATA	Total petroleum hydrocarbons - diesel range	3	Control point for TPH, based on known source and groundwater flow direction toward river.

6.2.5.4 Tritium

Tritium was mapped using a single kriging grid covering the entire GIA. Locations from the 100-KR-4 GIA were included with the 100-NR-2 dataset to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-29, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.

- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Type 1 data points representing average effluent concentrations were added at the locations of the 100-NR-2 area injection wells (Table 6-35)

Table 6-35. Other Data Points Added to the 100-NR-2 Tritium Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-121A	9250	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	9250	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	9250	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	1550	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-169	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-174	1550	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KW P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
199-K-175	1550	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-179	9250	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	1700	2013	Tritium	1	Average 2013 P&T Effluent concentration for 100-KX P&T System

6.2.6 200-BP-5

The list of COIs and data selection parameters is provided in Table 6-36.

Table 6-36. COIs and Data Selection Parameters for 200-BP-5

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
200-BP-5	Cyanide					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-BP-5	Hexavalent Chromium; Chromium				y	y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-BP-5	Iodine-129					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-BP-5	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-BP-5	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-BP-5	Technetium-99					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-BP_E28_24	Technetium-99					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-BP-5	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
200-BP-5	Uranium					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT

Kriging interpolation parameters, along with the name of the corresponding QUANTILE input file(s), are provided in Table 6-37. The QUANTILE input datasets are provided in Appendix B.

Table 6-37. COIs and Interpolation Parameters for 200-BP-5

COI	Kriging Type	Minimum Range (m)	Maximum Range (m)	Angle (degrees)	File Name
Chromium	RNK	400	1650	310	200-BP-5_ChromComb.dat
Cyanide 200-BP-5 North	RNK	950	1050	320	200-BP-5_Cyanide_N.dat
Cyanide 200-BP-5 South	LOG	300	400	50	200-BP-5_Cyanide_S.dat
Iodine-129	MIK	2300	4750	350	200-BP-5_Iodine-129.dat
Nitrate 200-BP-5 (Main Area)	MIK	2400	4350	315	200-BP-5_Nitrate.dat
Nitrate 200-BP-5 Near WMA C	RNK	650	1000	305	200-BP-5_Nitrate_z.dat
Strontium-90	LOG	500	1300	335	200-BP-5_Strontium-90.dat
Technetium-99 200-BP-5 North	LOG	1500	4000	310	200-BP-5_Technetium-99_N.dat
Technetium-99 200-BP-5 South	MIK	950	3050	320	200-BP-5_Technetium-99_S.dat
Technetium-99 200-BP-5 SS	MIK	950	850	15	200-BP-5_Technetium-99_SS.dat
Technetium-99	LOG	100	100	320	200-BP_E28_24_Technetium-99.dat

COI	Kriging Type	Minimum Range (m)	Maximum Range (m)	Angle (degrees)	File Name
200-BP-5 Near E28/24					
Tritium 200-BP-5 North	MIK	900	1300	315	200-BP-5_Tritium_N.dat
Tritium 200-BP-5 South	MIK	900	1000	310	200-BP-5_Tritium_S.dat
Uranium 200-BP-5 North	MIK	900	4000	305	200-BP-5_Uranium_N.dat
Uranium 200-BP-5 South	MIK	300	750	60	200-BP-5_Uranium_S.dat

Several wells were excluded from all 200-BP-5 interpolation input files because their screened intervals were outside the aquifer zone of interest. Two additional points were excluded at the direction of the GIA Project Scientist (Table 6-38).

Table 6-38. Measurement Locations Excluded from all 200-BP-5 Interpolation Input Files

Well Name	COI	Reason To Exclude
299-E16-1	ALL	Well screened 468 to 510 ft bgs (468 to 472 ft very deep unconsolidated and 472 to 510 in basalt)
299-E26-8	ALL	Well screened in Basalt
299-E33-12	ALL	Well screened in Basalt
299-E33-340	ALL	Well screened in Basalt
299-E33-344	ALL	Well monitors perched water
299-E33-40	ALL	Well screened in Basalt
299-E33-50	ALL	Well screened in Basalt
299-E34-13	ALL	Temporary drilled to basalt in 2010. Insufficient water for monitoring well to be constructed
699-18-25A	ALL	Bottom of well tagged at 96.4 m bgs on 10/2/2009. Water level measured at 38.3 m bgs on same date. Based on lower concentrations of contaminants (e.g. tritium) as compared to nearby wells screened at water table (e.g. 699-20-20) well inferred to be screened deeper in the unconfined aquifer.

Well Name	COI	Reason To Exclude
699-19-23	ALL	Well screened in lower unconfined aquifer based on borehole log and well construction report.
699-23-33	ALL	Depth to water measured at 144.2 ft bgs and bottom of well measured at 232.4 ft bgs in 2007. Screened interval unknown
699-25-20	ALL	Per Decommissioning Plan depth of well >500 ft (extent of E-tape). Screened interval unknown. Based on lower concentrations of contaminants (e.g. tritium) as compared to nearby wells screened at water table (e.g. 699-26-15A) well inferred to be screened deeper in the unconfined aquifer.
699-25-33A	ALL	Screened at top of lower permeability unit within unconfined aquifer
699-26-35C	ALL	Screened at top of lower permeability unit within unconfined aquifer
699-31-17	ALL	Well screened within lower unconfined aquifer. Tritium results more than one order of magnitude less than well 699-31-11 or well 699-35-9.
699-31-8	ALL	Well presumably screened with lower unconfined aquifer (depth to bottom of well tagged at 582 ft in 2006). Tritium results more than one order of magnitude less than well 699-31-11 or well 699-35-9.
699-32-22B	ALL	Well completed in basalt
699-36-17	ALL	Well decommissioned in 2010. Screen interval uncertain. 2009 tritium and I-129 result lower than nearby water table wells.
699-37-E1	ALL	Total depth tagged at 168 ft in 2008. Nearby well 699-37-E1 screened to 98 ft. Concentrations of tritium more than one order of magnitude lower in 699-37-E1 compared to 37-E4.
699-40-36	ALL	Concentrations of nitrate approximately 1 order of magnitude less than nearby water table wells 699-39-39. Well completed 95 ft below water table.
699-41-35	ALL	Concentrations of nitrate approximately 1 order of magnitude less than nearby water table wells 699-39-39. Well completed 85 ft below water table.
699-41-40	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-37	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-39A	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-39B	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-40C	ALL	Well screened in Basalt
699-42-42B	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer

Well Name	COI	Reason To Exclude
699-43-41G	ALL	Well screened in Basalt
699-49-55B	ALL	Well screened in Basalt
699-49-57B	ALL	Well screened in Basalt
699-50-45	ALL	Well screened in Basalt
699-50-53B	ALL	Well screened in Basalt
699-52-46A	ALL	Well screened in Basalt
699-52-55B	ALL	Well screened in Basalt
699-53-55A	ALL	Well screened in Basalt
699-54-34	ALL	Well screened in Basalt
699-54-57	ALL	Well screened in Basalt
699-56-43	ALL	Well screened in Basalt
699-56-53	ALL	Well screened in Basalt
699-S2-34B	ALL	Well completed into basalt to a depth of 1941 ft below ground surface per WIDL.
699-28-40P	ALL	Well is screened deep in the unconfined aquifer. Concentrations in shallow adjacent well 699-28-40 are higher than those detected in 28-40P.
299-E33-345	ALL	Data not considered representative due to well construction issues.
299-E33-343	ALL	Well last sampled in 2012. Due to change in groundwater flow, results not considered representative of 2013 plume conditions.
299-E33-205	ALL	Data not considered representative of current groundwater conditions.

Several Type 2 data points were added to all datasets to represent the geologic boundary where basalt is present above the water table (Table 6-39).

Table 6-39. Other Data Points Added to All 200-BP-5 Interpolation Input Files

NAME	MAPPING VALUE	YEAR	COI	OTHER DATA TYPE	REASON
CP02	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP03	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP04	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table

NAME	MAPPING VALUE	YEAR	COI	OTHER DATA TYPE	REASON
CP05	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP06	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP07	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP08	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP09	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP10	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP11	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP12	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP13	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP14	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP15	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP16	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP17	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP18	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP19	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP20	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table

NAME	MAPPING VALUE	YEAR	COI	OTHER DATA TYPE	REASON
CP21	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP22	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP23	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP24	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP26	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP27	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP28	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP29	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP30	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP31	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP32	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP33	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP34	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP35	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP36	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table

6.2.6.1 Cyanide

Cyanide maps were developed considering the north and south portions of the GIA separately. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-36, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Four Type 3 data points were added at the direction of the GIA Project Scientist (Table 6-40).

Table 6-40. Other Data Points Added to the 200-BP-5 Cyanide Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_2013_11	170	OTHER DATA	Cyanide	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_12	425	OTHER DATA	Cyanide	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
299-E33-18	220	OTHER DATA	Cyanide	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_42	200	OTHER DATA	Cyanide	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

6.2.6.2 Chromium

Chromium maps were developed considering the north and south portions of the GIA separately. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section

parameters are listed in Table 6-36, and the final interpolation input datasets are provided in Appendix B. Data selection parameters were:

- COMBCHROM: "yes". Both hexavalent chromium and filtered total chromium measurement are used when calculating average or maximum concentration. Unfiltered total chromium is excluded.
- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Mean concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Several Type 1 data points representing 2013 annual average chromium measured by U.S. Ecology, and the most recent measurement from well 699-33-56 (taken in October 2008) were included. Two Type 3 data points were also added at the direction of the GIA Project Scientist based on prior knowledge of the site (Table 6-41).

Table 6-41. Other Data Points Added to the 200-BP-5 Chromium Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
699-33-56	72	2008	Chromium	1	Result from most recent sampling event on 10/31/2008.
699-34-58B	70.6	2013	Chromium	1	US Ecology MW-9. 2013 annual average value
699-35-57	110	2013	Chromium	1	US Ecology MW-3. 2013 annual average value
699-35-58	71.9	2013	Chromium	1	US Ecology MW-5. 2013 annual average value
699-35-59	63.3	2013	Chromium	1	US Ecology MW-13. 2013 annual average value

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
699-36-58A	46.9	2013	Chromium	1	US Ecology MW-10. 2013 annual average value
699-36-58B	51	2013	Chromium	1	US Ecology MW-8. 2013 annual average value
CP_2013_9	75	OTHER DATA	Chromium	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_10	75	OTHER DATA	Chromium	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

6.2.6.3 Iodine-129

Iodine-129 was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-36, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Several Type 2 data points were added to represent the boundary where basalt is present above the water table, and one data point was added at the inferred location of a high hydraulic conductivity channel. One Type 1 data point was added at the location of well 699-15-15B, where several measurements taken in 2010 showed concentrations below detection limits (Table 6-42).

Table 6-42. Other Data Points Added to the 200-BP-5 Iodine-129 Interpolation Input File

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_14	1.5	OTHER DATA	Iodine-129	3	Inferred location of high hydraulic conductivity channel. Concentration based on nearby wells within channel area.
CP37	0	OTHER DATA	Iodine-129	2	Geologic Control to represent boundary where basalt is present above water table
CP38	0	OTHER DATA	Iodine-129	2	Geologic Control to represent boundary where basalt is present above water table
CP39	0	OTHER DATA	Iodine-129	2	Geologic Control to represent boundary where basalt is present above water table
699-15-15B	0.187	2010	Iodine-129	1	Well last sampled in 2010. Average of 3 STD_MDA for non-detect results from 2010.

6.2.6.4 Nitrate

Nitrate maps were developed for the main GIA, and for the area in the immediate vicinity of WMA-C, separately. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-36, and the final interpolation input datasets are provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured the most recent year data were collected. Mean concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Well 299-E33-26 was excluded from the dataset because it was last sampled in 2012 and based on the southeasterly groundwater flow in the area, the 2012 concentrations are not considered representative of

2013. Several Type 1 data points were included, representing 2013 annual average nitrate measured by U.S. Ecology, and representing historical measurements at locations where more recent were unavailable. In addition, several Type 3 data points were included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site (Table 6-43).

Table 6-43. Other Data Points Added to the 200-BP-5 Nitrate Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
299-E34-7	109000	2005	Nitrate	1	Result from last sampling event on 4/07/2005. Well sampling dry as of 2008.
699-34-58B	17161	2013	Nitrate	1	US Ecology MW-9. 2013 annual average value
699-35-57	19536	2013	Nitrate	1	US Ecology MW-3. 2013 annual average value
699-35-58	16730	2013	Nitrate	1	US Ecology MW-5. 2013 annual average value
699-35-59	18181	2013	Nitrate	1	US Ecology MW-13. 2013 annual average value
699-36-58A	17161	2013	Nitrate	1	US Ecology MW-10. 2013 annual average value
699-36-58B	16266	2013	Nitrate	1	US Ecology MW-8. 2013 annual average value
699-50-53A	455960	1992	Nitrate	1	Result from 4/14/1992 sampling event. Water in well after 1992 no longer considered representative of unconfined aquifer.
CP_15	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.

Table 6-43. Other Data Points Added to the 200-BP-5 Nitrate Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_16	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_17	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_18	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_19	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.

Table 6-43. Other Data Points Added to the 200-BP-5 Nitrate Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_20	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_22	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_23	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_29	0	OTHER DATA	Nitrate	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
699-15-15B	28975	2010	Nitrate	1	Well last sampled in 2010. Value is average of four 2010 sampling results.
CP_2013_13	45000	OTHER DATA	Nitrate	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

Table 6-43. Other Data Points Added to the 200-BP-5 Nitrate Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_2013_14	450000	OTHER DATA	Nitrate	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_15	450000	OTHER DATA	Nitrate	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
299-E34-9	452000	2013	Nitrate	1	Considering upward trend in well, maximum value from 2013 used.
CP_2013_39	620000	OTHER DATA	Nitrate	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction..
CP_2013_40	500000	OTHER DATA	Nitrate	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_41	500000	OTHER DATA	Nitrate	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

6.2.6.5 Strontium-90

Strontium-90 was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-12, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated

- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Several Type 3 data points were added at the direction of the GIA Project Scientist. These points represent likely groundwater concentrations in areas where recent groundwater measurements are unavailable, estimated based on the results of soil samples taken in 1999 (Table 6-44).

Table 6-44. Other Data Points Added to the 200-BP-5 Strontium-90 Interpolation Input File

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_15	180	OTHER DATA	Strontium-90	3	Soil sampling conducted at 216-A-25 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.
CP_16	180	OTHER DATA	Strontium-90	3	Soil sampling conducted at 216-A-25 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.
CP_17	180	OTHER DATA	Strontium-90	3	Soil sampling conducted at 216-A-25 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.

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_18	180	OTHER DATA	Strontium-90	3	Soil sampling conducted at 216-A-25 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.
CP_19	180	OTHER DATA	Strontium-90	3	Soil sampling conducted at 216-A-25 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.
CP_20	180	OTHER DATA	Strontium-90	3	Soil sampling conducted at 216-A-25 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.
CP_22	180	OTHER DATA	Strontium-90	3	Soil sampling conducted at 216-A-25 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.
CP_23	180	OTHER DATA	Strontium-90	3	Soil sampling conducted at 216-A-25 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.

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_2013_16	8	OTHER DATA	Strontium-90	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_17	0	OTHER DATA	Strontium-90	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

6.2.6.6 Technetium-99

Technitium-99 was mapped using four separate grids, each representing different sources and/or aquifer conditions which occur within the GIA. For all maps, input data was determined using the general data selection process detailed in Section 3.2.1 and Figure 3-1. Data section parameters are listed in Table 6-36, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Several Type 3 points were added at the direction of the GIA Project Scientist to represent prior knowledge of site conditions. One historical measurement, taken at well 699-50-53A in 1992, was also included because measurements taken after 1992 are not considered representative of the aquifer (Table 6-45).

Table 6-45. Other Data Points Added to the 200-BP-5 Technitium-99 Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
699-50-53A	14000	1992	Technetium -99	1	Result from 4/14/1992 sampling event. Water in well after 1992 no longer considered representative of unconfined aquifer.
CP_2013_20	900	OTHER DATA	Technetium -99	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_21	3000	OTHER DATA	Technetium -99	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_22	900	OTHER DATA	Technetium -99	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_23	17000	OTHER DATA	Technetium -99	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_24	2000	OTHER DATA	Technetium -99	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_2013_25	900	OTHER DATA	Technetium -99	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_26	5000	OTHER DATA	Technetium -99	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_36	2500	OTHER DATA	Technetium -99	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_37	2500	OTHER DATA	Technetium -99	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_38	2500	OTHER DATA	Technetium -99	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

6.2.6.7 Tritium

Tritium was mapped using two grids, which encompass the northern and southern portions of the GIA, respectively. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-36, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer

tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Several historical measurements were included at locations where current measurements are unavailable, and one data point was added at the inferred location of a high hydraulic conductivity channel. Type 3 data points were also added at the direction of the GIA Project Scientist, to represent prior knowledge of the site (Table 6-46).

Table 6-46. Other Data Points Added to the 200-BP-5 Tritium Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
299-E25-25	22000	2008	Tritium	1	Well last sampled in 2008 due to obstructed access from Vitrification Plant trailers. Value listed is from most recent smapling event (2008).
299-E25-39	23000	2008	Tritium	1	Well last sampled in 2008 due to obstructed access from Vitrification Plant trailers. Value listed is from most recent sampling event (2008).
CP_14	23000	OTHER DATA	Tritium	3	Inferred location of high hydraulic conductivity channel. Concentration based on nearby wells within channel area.
699-15-15B	197	2010	Tritium	1	Well last sampled in 2010. Value is average of 3 non-detect results from 2010).
CP_2013_27	20000	OTHER DATA	Tritium	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_2013_28	30000	OTHER DATA	Tritium	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_29	21000	OTHER DATA	Tritium	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_30	22000	OTHER DATA	Tritium	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_31	25000	OTHER DATA	Tritium	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_32	25000	OTHER DATA	Tritium	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_2013_33	21000	OTHER DATA	Tritium	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
299-E33-205	20000	OTHER DATA	Tritium	3	Well last sampled in 2012. Concentration based on 2013 interpretation of plume extent based on groundwater flow direction.
299-E33-41	20000	OTHER DATA	Tritium	3	Well last sampled in 2012. Concentration based on 2013 interpretation of plume extent based on groundwater flow direction.
699-34-58	3286.5	2013	Tritium	1	US Ecology MW-9A. 2013 annual average value
699-34-58B	3152	2013	Tritium	1	US Ecology MW-9. 2013 annual average value
699-35-57	2061	2013	Tritium	1	US Ecology MW-3. 2013 annual average value
699-35-58	2299	2013	Tritium	1	US Ecology MW-5. 2013 annual average value
699-35-59	4874	2013	Tritium	1	US Ecology MW-13. 2013 annual average value
699-36-58A	3399.75	2013	Tritium	1	US Ecology MW-10. 2013 annual average value
699-36-58B	2312.25	2013	Tritium	1	US Ecology MW-8. 2013 annual average value

6.2.6.8 Uranium

Uranium was mapped using two grids, which encompass the northern and southern portions of the GIA, respectively. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-36, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

One Type 3 data point was added at the direction of the GIA Project Scientist, to represent prior knowledge of the site (Table 6-47).

Table 6-47. Other Data Points Added to the 200-BP-5 Uranium Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_2013_34	650	OTHER DATA	Uranium	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

6.2.7 200-PO-1

The list of COIs and data selection parameters is provided in Table 6-48.

Table 6-48. COIs and Data Selection Parameters for 200-PO-1

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
200-PO-1	Iodine-129					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
200-PO-1	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-PO-1	Technetium-99					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-PO-1	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-PO-1	Uranium					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT

Kriging interpolation parameters, along with the name of the corresponding QUANTILE input file(s), are provided in Table 6-49. The QUANTILE input datasets are provided in Appendix B.

Table 6-49. COIs and Interpolation Parameters for 200-PO-1

COI	Kriging Type	Minimum Range (m)	Maximum Range (m)	Angle (degrees)	File Name
Iodine-129	MIK	3200	7800	115	200-PO-1_Iodine-129.dat
Nitrate	MIK	1500	1500	90	200-PO-1_Nitrate.dat
Technetium-99	RNK	3610	4800	90	200-PO-1_Technetium-99.dat
Tritium North/South	MIK	3500	7400	140	200-PO-1_Tritium_NS.dat
Tritium West/East	MIK	3500	4350	75	200-PO-1_Tritium_WE.dat
Uranium	RNK	3610	4800	90	200-PO-1_Uranium.dat

Several wells were excluded from all 200-PO-1 interpolation input files because their screened intervals were outside the aquifer zone of interest. Several additional wells were excluded at the direction of the GIA Project Scientist because measured concentrations were not considered to be representative of the aquifer (Table 6-50). All excluded data are listed in Appendix A, Table A-4.

Table 6-50. Measurement Locations Excluded from all 200-PO-1 Interpolation Input Files

Well Name	COI	Reason To Exclude
699-13-1A	ALL	Well completed in lower unconfined aquifer. Constituent results not considered representative to define plume extent
299-E16-1	ALL	Well screened 468 to 510 ft bgs (468 to 472 ft very deep unconsolidated and 472 to 510 in basalt)
299-E26-8	ALL	Well screened in Basalt

Well Name	COI	Reason To Exclude
299-E33-12	ALL	Well screened in Basalt
299-E33-340	ALL	Well screened in Basalt
299-E33-344	ALL	Well monitors perched water
299-E33-40	ALL	Well screened in Basalt
299-E33-50	ALL	Well screened in Basalt
299-E34-13	ALL	Temporary drilled to basalt in 2010. Insufficient water for monitoring well to be constructed
499-S0-7	ALL	Water supply well. Concentrations of tritium approximately 1/3 to 1/4 of nearby water table wells 699-2-3 and 699-2-6A
499-S0-8	ALL	Water supply well. Concentrations of tritium approximately 1/3 to 1/4 of nearby water table wells 699-2-3 and 699-2-6A
499-S1-8J	ALL	Water supply well. Concentrations of tritium approximately 1/3 to 1/4 of nearby water table wells 699-2-3 and 699-2-6A
699-13-1C	ALL	Well screened in basalt
699-15-E13	ALL	Well screened in basalt
699-18-25A	ALL	Bottom of well tagged at 96.4 m bgs on 10/2/2009. Water level measured at 38.3 m bgs on same date. Based on lower concentrations of contaminants (e.g. tritium) as compared to nearby wells screened at water table (e.g. 699-20-20) well inferred to be screened deeper in the unconfined aquifer.
699-19-23	ALL	Well screened in lower unconfined aquifer based on borehole log and well construction report.
699-20-E12S	ALL	Well screened in deep unconfined aquifer per PNNL-13021. Well 699-20-E12O screened at water table and at same location sampled for PO-1. Concentrations of tritium detected much higher in 699-20-E12O
699-23-33	ALL	Depth to water measured at 144.2 ft bgs and bottom of well measured at 232.4 ft bgs in 2007. Screened interval unknown
699-24-1P	ALL	Well screened below top of basalt as described in borehole log
699-25-20	ALL	Per Decommissioning Plan depth of well >500 ft (extent of E-tape). Screened interval unknown. Based on lower concentrations of contaminants (e.g. tritium) as compared to nearby wells screened at water table (e.g. 699-26-15A) well inferred to be screened deeper in the unconfined aquifer.
699-25-33A	ALL	Screened at top of lower permeability unit within unconfined aquifer
699-26-35C	ALL	Screened at top of lower permeability unit within unconfined aquifer

Well Name	COI	Reason To Exclude
699-2-7	ALL	Top of screen 20 ft below water table. Water table well 699-2-6A is adjacent to this well. Groundwater concentrations of tritium in this well lower than well 699-2-6A but concentrations of nitrate and other constituents concentrations similar
699-2-E14	ALL	Well open in basalt
699-31-17	ALL	Well screened within lower unconfined aquifer. Tritium results more than one order of magnitude less than well 699-31-11 or well 699-35-9.
699-31-8	ALL	Well presumably screened with lower unconfined aquifer (depth to bottom of well tagged at 582 ft in 2006). Tritium results more than one order of magnitude less than well 699-31-11 or well 699-35-9.
699-32-22B	ALL	Well completed in basalt
699-36-17	ALL	Well decommissioned in 2010. Screen interval uncertain. 2009 tritium and I-129 result lower than nearby water table wells.
699-37-E1	ALL	Total depth tagged at 168 ft in 2008. Nearby well 699-37-E1 screened to 98 ft. Concentrations of tritium more than one order of magnitude lower in 699-37-E1 compared to 37-E4.
699-40-36	ALL	Concentrations of nitrate approximately 1 order of magnitude less than nearby water table wells 699-39-39. Well completed 95 ft below water table.
699-41-35	ALL	Concentrations of nitrate approximately 1 order of magnitude less than nearby water table wells 699-39-39. Well completed 85 ft below water table.
699-41-40	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-37	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-39A	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-39B	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-40C	ALL	Well screened in Basalt
699-42-42B	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-43-41G	ALL	Well screened in Basalt
699-49-55B	ALL	Well screened in Basalt
699-49-57B	ALL	Well screened in Basalt
699-4-E16	ALL	Well screen interval uncertain and well status uncertain. Well status says well decommissioned in 2007 but sample collected in 2009
699-50-45	ALL	Well screened in Basalt

Well Name	COI	Reason To Exclude
699-50-53B	ALL	Well screened in Basalt
699-52-46A	ALL	Well screened in Basalt
699-52-55B	ALL	Well screened in Basalt
699-53-55A	ALL	Well screened in Basalt
699-54-34	ALL	Well screened in Basalt
699-54-57	ALL	Well screened in Basalt
699-56-43	ALL	Well screened in Basalt
699-56-53	ALL	Well screened in Basalt
699-S11-E12AP	ALL	Well screened in basalt
699-S2-34B	ALL	Well completed into basalt to a depth of 1941 ft below ground surface per WIDL.
699-S5-E2	ALL	Well completed in lower unconfined aquifer. Only one sample collected (in 2010). Constituent results less than nearby unconfined water table well 699-S6-E4A
699-24-1R	ALL	Eell is screened deep in the unconfined aquifer just above basalt.
699-28-40P	ALL	Well is screened deep in the unconfined aquifer. Concentrations in shallow adjacent well 699-28-40 are higher than those detected in 28-40P.
299-E33-345	ALL	Data not considered representative due to well construction issues.
299-E33-343	ALL	Well last sampled in 2012. Due to change in groundwater flow, results not considered representative of 2013 plume conditions.
299-E33-205	ALL	Data not considered representative of current groundwater conditions.

Several Type 2 data points were added to all datasets at the direction of the GIA Project Scientist, to represent the geologic boundary where basalt is present above the water table (Table 6-51)

Table 6-51. Other Data Points Added to All 200-PO-1 Interpolation Input Files

NAME	MAPPING VALUE	YEAR	COI	OTHER DATA TYPE	REASON
CP02	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP03	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table

NAME	MAPPING VALUE	YEAR	COI	OTHER DATA TYPE	REASON
CP04	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP05	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP06	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP07	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP08	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP09	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP10	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP11	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP12	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP13	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP14	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP15	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP16	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP17	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP18	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP19	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table

NAME	MAPPING VALUE	YEAR	COI	OTHER DATA TYPE	REASON
CP20	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP21	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP22	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP23	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP24	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP26	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP27	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP28	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP29	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP30	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP31	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP32	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP33	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP34	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP35	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table
CP36	0	OTHER DATA	ALL	2	Geologic Control to represent boundary where basalt is present above water table

6.2.7.1 Iodine-129

Iodine-129 was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-48, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Several Type 2 data points were added to represent the boundary where basalt is present above the water table, and one data point was added at the inferred location of a high hydraulic conductivity channel. One Type 1 data point was added at the location of well 699-15-15B, where several measurements taken in 2010 showed concentrations below detection limits (Table 6-52).

Table 6-52. Other Data Points Added to the 200-PO-1 Iodine-129 Interpolation Input File

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_14	1.5	OTHER DATA	Iodine-129	3	Inferred location of high hydraulic conductivity channel. Concentration based on nearby wells within channel area.
CP37	0	OTHER DATA	Iodine-129	2	Geologic Control to represent boundary where basalt is present above water
CP38	0	OTHER DATA	Iodine-129	2	Geologic Control to represent boundary where basalt is present above water
CP39	0	OTHER DATA	Iodine-129	2	Geologic Control to represent boundary where basalt is present above water
699-15-15B	0.187	2010	Iodine-129	1	Average of 3 STD_MDA for non-detect results from 2010.

6.2.7.2 Nitrate

Nitrate maps were developed fir the main GIA, and for the area in the immediate vicinity of WMA-C, separately. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-48, and the final interpolation input datasets are provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Several Type 1 data points were included, representing 2013 annual average nitrate measured by U.S. Ecology, and representing historical measurements at locations where more recent were unavailable. In addition, Type 3 data points were included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site (Table 6-53).

Table 6-53. Other Data Points Added to the 200-PO-1 Nitrate Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
299-E34-7	109000	2005	Nitrate	1	Result from last sampling event on 4/07/2005. Well sampling dry as of 2008.
699-34-58B	17161	2013	Nitrate	1	US Ecology MW-9. 2013 annual average value
699-35-57	19536	2013	Nitrate	1	US Ecology MW-3. 2013 annual average value
699-35-58	16730	2013	Nitrate	1	US Ecology MW-5. 2013 annual average value
699-35-59	18181	2013	Nitrate	1	US Ecology MW-13. 2013 annual average value

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
699-36-58A	17161	2013	Nitrate	1	US Ecology MW-10. 2013 annual average value
699-36-58B	16266	2013	Nitrate	1	US Ecology MW-8. 2013 annual average value
699-50-53A	455960	1992	Nitrate	1	Result from 4/14/1992 sampling event. Water in well after 1992 no longer considered representative of unconfined aquifer.
CP_15	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_16	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_17	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_18	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.

NAME	MAPPING VALUE (µg/L)	YEAR	COI	OTHER DATA TYPE	REASON
CP_19	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_20	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_22	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_23	46900	OTHER DATA	Nitrate	3	Soil sampling conducted at 216-A-25 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.
CP_29	0	OTHER DATA	Nitrate	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
699-15-15B	28975	2010	Nitrate	1	Well last sampled in 2010. Value is average of 4 – 2010 sampling results.
299-E34-9	452000	2013	Nitrate	1	Considering upward trend in well, maximum value from 2013 used.

Several Burial Ground Wells were excluded from Nitrate 200-PO-1 interpolation input files because of the different source (Table 6-54).

Table 6-54. Measurements Excluded from the 200-PO-1 Nitrate Interpolation Input Files

Well Name	COI	Reason To Exclude
699-10-3A	Nitrate	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-12-2C	Nitrate	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-12-4D	Nitrate	Well associated with 618-11 Burial Ground source and not included in 200-PO.; e
699-13-0A	Nitrate	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-13-1E	Nitrate	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-13-2D	Nitrate	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-13-3A	Nitrate	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-16-E3A	Nitrate	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
299-E33-26	Nitrate	Well last sampled in 2012 and based on the southeasterly groundwater flow in the area, the 2012 concentrations are not considered representative of 2013

6.2.7.3 Technetium-99

Technitium-99 was mapped using four separate grids, each representing different sources and/or aquifer conditions which occur within the GIA. For all maps, input data was determined using the general data selection process detailed in Section 3.2.1 and Figure 3-1. Data section parameters are listed in Table 6-48, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer

tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

One historical measurement, taken at well 699-50-53A in 1992, was included because measurements taken after 1992 are not considered representative of the aquifer (Table 6-55).

Table 6-55. Other Data Points Added to the 200-PO-1 Technitium-99 Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
699-50-53A	14000	1992	Technetium-99	1	Result from 4/14/1992 sampling event. Water in well after 1992 no longer considered representative of unconfined aquifer.

6.2.7.4 Tritium

Tritium was mapped using two grids, which encompass the northern and southern portions of the GIA, respectively. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-48, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.

- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Several historical measurements were included at locations where current measurements are unavailable, and one data point was added at the inferred location of a high hydraulic conductivity channel. Type 3 data points were also added at the direction of the GIA Project Scientist, to represent prior knowledge of

the site. In addition, several Type 1 data points were included, representing 2013 annual average tritium measured by U.S. Ecology (Table 6-56).

Table 6-56. Other Data Points Added to the 200-PO-1 Tritium Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
299-E25-25	22000	2008	Tritium	1	Well last sampled in 2008 due to obstructed access from Vitrification Plant trailers. Value listed is from most recent smapling event (2008).
299-E25-39	23000	2008	Tritium	1	Well last sampled in 2008 due to obstructed access from Vitrification Plant trailers. Value listed is from most recent sampling event (2008).
699-34-58	3286.5	2013	Tritium	1	US Ecology MW-9A. 2013 annual average value
699-34-58B	3152	2013	Tritium	1	US Ecology MW-9. 2013 annual average value
699-35-57	2061	2013	Tritium	1	US Ecology MW-3. 2013 annual average value
699-35-58	2299	2013	Tritium	1	US Ecology MW-5. 2013 annual average value
699-35-59	4874	2013	Tritium	1	US Ecology MW-13. 2013 annual average value
699-36-58A	3399.75	2013	Tritium	1	US Ecology MW-10. 2013 annual average value
699-36-58B	2312.25	2013	Tritium	1	US Ecology MW-8. 2013 annual average value
CP_14	23000	OTHER DATA	Tritium	3	Inferred location of high hydraulic conductivity channel. Concentration based on nearby wells within channel area.
699-15-15B	197	2010	Tritium	1	Well last sampled in 2010. Value is A average of 3 non-detect results from 2010.
699-1-18	4633.333	2010	Tritium	1	Result average of 3 detections from last year sampled in 2010.

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	OTHER DATA TYPE	REASON
299-E33-205	20000	OTHER DATA	Tritium	3	Well last sampled in 2012. Concentration based on 2013 interpretation of plume extent based on groundwater flow direction e33-205
299-E33-41	20000	OTHER DATA	Tritium	3	Well last sampled in 2012. Concentration based on 2013 interpretation of plume extent based on groundwater flow direction

Several Burial Ground Wells were excluded from Nitrate 200-PO-1 interpolation input files because of the different source (Table 6-57).

Table 6-57. Measurements Excluded from the 200-PO-1 Tritium Interpolation Input Files

Well Name	COI	Reason To Exclude
699-10-3A	Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-12-2C	Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-12-4D	Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-13-0A	Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-13-1E	Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-13-2D	Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-13-3A	Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e
699-16-E3A	Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.; e

6.2.7.5 Uranium

Uranium was mapped using two grids, which encompass the northern and southern portions of the GIA, respectively. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-48, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

6.2.8 200-UP-1

The list of COIs and data selection parameters is provided in Table 6-58.

Table 6-58. COIs and Data Selection Parameters for 200-UP-1

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
200-UP-1	Hexavalent Chromium; Chromium				y	y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-UP-1	Iodine-129					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-UP-1	Technetium-99					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-UP-1	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-UP-1	Uranium					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT

Kriging interpolation parameters, along with the name of the corresponding QUANTILE input file(s), are provided in Table 6-59. The QUANTILE input datasets are provided in Appendix B.

Table 6-59. COIs and Interpolation Parameters for 200-UP-1

COI	Kriging Type	Minimum Range (m)	Maximum Range (m)	Angle (degrees)	File Name
Chromium Main GIA	MIK	3000	8000	75	200-UP-1_ChromComb.dat
Chromium SSX	MIK	180	500	105	200-UP-1_ChromComb_SSX.dat
Iodine-129	RNK	2300	3300	81	200-UP-1_Iodine-129.dat
Technetium-99 Middle	RNK	300	850	100	200-UP-1_Technetium-99_Middle.dat
Technetium-99 North	RNK	350	400	90	200-UP-1_Technetium-99_North.dat
Technetium-99 South	MIK	750	1550	120	200-UP-1_Technetium-99_South.dat
Tritium	MIK	1700	5500	80	200-UP-1_Tritium.dat
Uranium	MIK	650	1500	75	200-UP-1_Uranium.dat

Several wells were excluded from all 200-UP-1 interpolation input files because their screened intervals were outside the aquifer zone of interest. Several additional wells were excluded at the direction of the GIA Project Scientist because measured concentrations were not considered to be representative of the aquifer (Table 6-60). All excluded data are listed in Appendix A, Table A-4.

Table 6-60. Measurement Locations Excluded from all 200-UP-1 Interpolation Input Files

Well Name	COI	Reason To Exclude
299-W18-22	ALL	Deep well; adjacent shallow well (299-W18-21) has higher concentrations for all constituents including carbon tetrachloride.
299-W27-2	ALL	Deep well; exclude for all constituents even for carbon tetrachloride (adjacent shallow well 699-33-75 has a higher carbon tetrachloride concentration); screen corrosion confirmed by camera survey
299-W22-80	ALL	Little water available for sampling in well after 2004. Results after 2004 not considered representative of current plume conditions.
299-W23-15	ALL	Little water available for sampling in well after 2004. Results after 2004 not considered representative of current plume conditions.

Well Name	COI	Reason To Exclude
299-W19-34A	Carbon-14; Cyanide;Hexavalent Chromium; Chromium; Iodine-129; Nitrate;Strontium-90; Technetium-99;Total petroleum hydrocarbons - diesel range; Tritium;Uranium	Well screened 80 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.
299-W19-34B	Carbon-14;Cyanide;Hexavalent Chromium;Chromium; Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 180 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE
299-W15-31A	ALL	Well screened 80 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.
299-W15-35	ALL	Well screened 180 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE
299-W15-34	ALL	Well not sampled since 2007.

6.2.8.1 Chromium

Chromium maps were developed for the main GIA, and for the SSX area, separately. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-58, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- COMBCHROM: "yes". Both hexavalent chromium and filtered total chromium measurement are considered when calculating average or maximum concentration. Unfiltered total chromium is excluded.
- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent measurement year. Mean was calculated from the reported concentration, as listed in the

"STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured the during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Points representing average effluent concentrations were added at the locations of the 200-UP-1 area injection wells. Several Type 1 data points were included, representing 2013 annual average chromium measured by U.S. Ecology, and representing historical measurements at locations where more recent were unavailable. In addition, Type 3 data points were included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site. (Table 6-61).

Table 6-61. Other Data Points Added to the 200-UP-1 Chromium Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W22-20	381	2002	Chromium	200-ZP-1;200-UP-1	1	Result from 1/28/2002 sampling event. Sampling events after 1/28/2002 not considered representative of aquifer concentrations.
699-33-56	72	2008	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	Result from most recent sampling event on 10/31/2008.
699-34-58B	70.6	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-9. 2013 annual average value
699-35-57	110	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-3. 2013 annual average value
699-35-58	71.9	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-5. 2013 annual average value
699-35-59	63.3	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-13. 2013 annual average value
699-36-58A	46.9	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-10. 2013 annual average value

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
699-36-58B	51	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-8. 2013 annual average value
CP_27	0	OTHER DATA	Chromium	200-ZP-1;200-UP-1	3	Location and concentration added based on historical knowledge of source area and westerly upgradient inferred western extent of plume.
CP44	0	OTHER DATA	Chromium	200-ZP-1;200-UP-1	3	Location and concentration added based on historical knowledge of source area and westerly upgradient inferred western extent of plume.
299-W10-35	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-29	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W6-13	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
CP_2013_1	95	OTHER DATA	Chromium	200-ZP-1;200-UP-1	3	Value and location based on inferred connection of the plume between wells W23-20 and W22-26.
699-43-67B	11.1	OTHER DATA	Hexavalent Chromium	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67..
CP_2013_18 Left off	0	OTHER DATA	Chromium	200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_19	48	OTHER DATA	Chromium	200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

Two wells, well 299-W14-71 and 699-38-68A, were excluded from all chromium input files at the request of the GIA Project Scientist because elevated chromium caused by screen corrosion - confirmed by camera survey (Table 6-62).

Table 6-62. Measurements Excluded from the 200-UP-1 Chromium Interpolation Input Files

Well Name	COI	Reason To Exclude
299-W14-71	Chromium	Exclude for chromium only. Elevated chromium caused by screen corrosion - confirmed by camera survey
699-38-68A	Chromium	Exclude for chromium only. Elevated chromium caused by screen corrosion - confirmed by camera survey

6.2.8.2 Iodine-129

Iodine-129 was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-58, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Points representing average effluent concentrations were added at the locations of the 200-UP-1 area injection wells. Several Type 1 data points were included representing historical measurements at locations where more recent were unavailable. In addition, Type 3 data points were included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site. (Table 6-63).

Table 6-63. Other Data Points Added to the 200-UP-1 Iodine-129 Interpolation Input File

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W10-35	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W22-79	2.18	2005	Iodine-129	200-ZP-1;200-UP-1	1	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

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
						were used at the non-detect value.
299-W22-9	30.1	2005	Iodine-129	200-ZP-1;200-UP-1	1	Result from most recent sampling event on 12/7/2005.
299-W6-13	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
699-35-70	37.1	2008	Iodine-129	200-ZP-1;200-UP-1	1	Result from most recent sampling event on 3/16/2008.
699-36-67	15.4	2007	Iodine-129	200-ZP-1;200-UP-1	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.
699-37-68	3.07	2007	Iodine-129	200-ZP-1;200-UP-1	1	Average of 2007 sampling results (most recent available for well). Well decommissioned in January 2008.
299-W15-29	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W18-38	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
CP_2013_2	34	OTHER DATA	Iodine-129	200-ZP-1;200-UP-1	3	Value and location based on inferred connection of the plume between wells W22-9 and W35-70.
CP_2013_7	6.5	OTHER DATA	Iodine-129	200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
699-43-67B	0.254	OTHER DATA	Iodine-129	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.

6.2.8.3 Technetium-99

Technitium-99 was mapped using three separate grids, each representing different sources and/or aquifer conditions which occur within the GIA. For all maps, input data was determined using the general data selection process detailed in Section 3.2.1 and Figure 3-1. Data section parameters are listed in Table 6-58, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during

the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Points representing average effluent concentrations were added at the locations of the 200-UP-1 area injection wells. Several Type 1 data points were included representing historical measurements at locations where more recent were unavailable. In addition, Type 3 data points were included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site (Table 6-64).

Table 6-64. Other Data Points Added to the 200-UP-1 Technitium-99 Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W10-35	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-13	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
CP_24	1000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area.

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
CP_25	1000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area
CP_26	1000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area
CP_27	0	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Location and concentration added based on historical knowledge of source area and westerly upgradient inferred western extent of plume.
299-W15-29	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
CP_2013_5	3000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Value and location based on inferred connection of plume between wells W22-90 and W22-26 t
699-43-67B	73.6	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.

6.2.8.4 Tritium

Tritium was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-58, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Several points representing 2013 annual average chromium measured by U.S. Ecology and points representing historical measurements at locations where more recent were unavailable were included as Type 1 data points. Type 1 data points representing average effluent concentrations were added at the locations of the 200-UP-1 area injection wells. In addition, two Type 3 data points were included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site (Table 6-65).

Table 6-65. Other Data Points Added to the 200-UP-1 Tritium Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W10-35	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W22-9	650000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	1	2005 sample result from a now dry well; decayed for 8 years: 1 020 000 pCi/L*exp(-ln(2)/12.3*7); needed to represent the high concentration portion of the plume
299-W23-9	107000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	1	2007 sample result from a now dry well; decayed for 6 years: 150 000 pCi/L * exp (-ln(2)/12.3*5); needed to represent the plume at its source (216-S-25 Crib).
299-W6-13	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
699-30-66	10800	2004	Tritium	200-ZP-1;200-UP-1	1	2004 result from a sample collected from the uppermost part of the aquifer during drilling; decayed for 9 years: 18 000 pCi/L*exp(-ln(2)/12.3*8); needed to bound the southern extent of the plume
699-34-58	3286.5	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-9A. 2013 annual average value
699-34-58B	3152	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-9. 2013 annual average value
699-35-57	2061	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-3. 2013 annual average value
699-35-58	2299	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-5. 2013 annual average value
699-35-59	4874	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-13. 2013 annual average value
699-35-70	181000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	1	2008 sample result from a now dry well; decayed for 5 years: 240 000 pCi/L * exp (-ln(2)/12.3*4); needed to represent the high concentration portion of the plume
699-36-58A	3399.75	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-10. 2013 annual average value
699-36-58B	2312.25	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-8. 2013 annual average value
299-W15-29	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W18-37	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
CP_2013_6	300000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	3	Value and location based on inferred connection of the plume between wells 299-W22-9 and 699-36-66B.
699-43-67B	220	OTHER DATA	Tritium	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67..

6.2.8.5 Uranium

Uranium was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-58, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. Maximum concentration was determined from the reported

concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Several points representing historical measurements at locations where more recent were unavailable were included as Type 1 data points. Type 1 data points representing average effluent concentrations were added at the locations of the 200-UP-1 area injection wells. In addition, two Type 3 data points were included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site (Table 6-66).

Table 6-66. Other Data Points Added to the 200-UP-1 Uranium Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W10-35	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-29	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W19-18	374	2011	Uranium	200-ZP-1;200-UP-1	1	Result from 3/16/2011. Results from 2012 were rejected after review of data after 2012 data set was finalized.
299-W6-13	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
699-38-70	42.2	2007	Uranium	200-ZP-1;200-UP-1	1	Result from most recent sampling event on 7/2//2007
CP43	0	OTHER DATA	Uranium	200-ZP-1;200-UP-1	3	Location and concentration added based on historical knowledge of source area and westerly upgradient inferred extent of plume.
699-43-67B	8.61	OTHER DATA	Uranium	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.

6.2.9 200-ZP-1

The list of COIs and data selection parameters is provided in Table 6-67. The carbon tetrachloride plume map was developed following the procedure described in ECF 2012. Details on the mapping of carbon tetrachloride are provided at the end of this subsection. Interpolation parameters for carbon tetrachloride are provided in Table 6-68.

Table 6-67. COIs and Data Selection Parameters for 200-ZP-1

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC

200-ZP-1	Hexavalent Chromium; Chromium				y	y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-ZP-1	Iodine-129					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-ZP-1	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-ZP-1	Technetium-99					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-ZP-1	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-ZP-1	Trichloroethene					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT

Kriging interpolation parameters, along with the name of the corresponding QUANTILE input file(s), are provided in Table 6-68. The QUANTILE input datasets are provided in Appendix B.

Table 6-68. COIs and Interpolation Parameters for 200-ZP-1

COI	Kriging Type	Minimum Range (m)	Maximum Range (m)	Angle (degrees)	File Name
Carbon Tetrachloride (Main GIA)	MIK	2900	3600	66	200-ZP-1_Carbon Tetrachloride_ZP.dat
Carbon Tetrachloride SSX	MIK	150	280	90	200-ZP-1_Carbon Tetrachloride_SSX.dat
Chromium	RNK	950	850	45	200-ZP-1_ChromComb.dat
Iodine-129	MIK	800	1050	40	200-ZP-1_Iodine-129.dat
Nitrate (Main GIA)	MIK	2900	3600	66	200-ZP-1_Nitrate_ZP.dat
Nitrate SSX	MIK	150	280	90	200-ZP-1_Nitrate_SSX.dat
Technetium-99	MIK	750	900	95	200-ZP-1_Technetium-99.dat
Trichloroethene	MIK	500	700	85	200-ZP-1_Trichloroethene.dat
Tritium	MIK	500	800	60	200-ZP-1_Tritium.dat
Carbon Tetrachloride	MIK	1500	2000	66	200West-CTET-2013Final.dat

Several wells were excluded from all 200-ZP-1 interpolation input files because their screened intervals were outside the aquifer zone of interest. Several additional wells were excluded at the direction of the GIA Project Scientist because measured concentrations were not considered to be representative of the

aquifer (Table 6-69). All excluded data are listed in Appendix A, Table A-4. Details on carbon tetrachloride are provided at the end of this subsection.

Table 6-69. Measurement Locations Excluded from all 200-ZP-1 Interpolation Input Files

Well Name	COI	Reason To Exclude
299-W18-22	ALL	Deep well; adjacent shallow well (299-W18-21) has higher concentrations for all constituents including carbon tetrachloride.
299-W19-34A	ALL	Well screened 80 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.
299-W27-2	ALL	Deep well; exclude for all constituents even for carbon tetrachloride (adjacent shallow well 699-33-75 has a higher carbon tetrachloride concentration); screen corrosion confirmed by camera survey
299-W22-80	ALL	Little water available for sampling in well after 2004. Results after 2004 not considered representative of current plume conditions.
299-W23-15	ALL	Little water available for sampling in well after 2004. Results after 2004 not considered representative of current plume conditions.
299-W15-31A	ALL	Well screened 80 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.
299-W15-35	ALL	Well screened 180 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE
299-W15-34	ALL	Well not sampled since 2007.

6.2.9.1 Chromium

Chromium was mapped using a single kriging grid covering the entire GIA. Measurement locations in the 200-UP-1 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-67, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- COMBCHROM: "yes". Both hexavalent chromium and filtered total chromium measurement are considered when calculating average or maximum concentration. Unfiltered total chromium is excluded.
- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent measurement year. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured the during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Points representing average effluent concentrations were added at the locations of the 200-ZP-1 area injection wells. Several Type 1 data points were included, representing 2013 annual average chromium measured by U.S. Ecology, and representing historical measurements at locations where more recent were unavailable. In addition, four Type 3 data points were included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site. (Table 6-70).

Table 6-70. Other Data Points Added to the 200-ZP-1 Chromium Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W22-20	381	2002	Chromium	200-ZP-1;200-UP-1	1	Result from 1/28/2002 sampling event. Sampling events after 1/28/2002 not considered representative of aquifer concentrations.
699-33-56	72	2008	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	Result from most recent sampling event on 10/31/2008.
699-34-58B	70.6	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-9. 2013 annual average value
699-35-57	110	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-3. 2013 annual average value
699-35-58	71.9	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-5. 2013 annual average value
699-35-59	63.3	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-13. 2013 annual average value
699-36-58A	46.9	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-10. 2013 annual average value

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
699-36-58B	51	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-8. 2013 annual average value
CP_27	0	OTHER DATA	Chromium	200-ZP-1;200-UP-1	3	Location and concentration added based on historical knowledge of source area and westerly upgradient inferred western extent of plume.
CP44	0	OTHER DATA	Chromium	200-ZP-1;200-UP-1	3	Location and concentration added based on historical knowledge of source area and westerly upgradient inferred western extent of plume.
299-W10-35	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-29	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
						for 200-ZP1 P&T System
299-W18-38	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-13	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
CP_2013_1	95	OTHER DATA	Chromium	200-ZP-1;200-UP-1	3	Connect the plume between wells W23-20 and W22-26.
699-43-67B	11.1	OTHER DATA	Hexavalent Chromium	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.

Five wells were excluded from all chromium input files at the request of the GIA Project Scientist (Table 6-71).

Table 6-71. Measurements Excluded from the 200-ZP-1 Chromium Interpolation Input Files

Well Name	COI	Reason To Exclude
299-W14-71	Chromium	Exclude for chromium only. Elevated chromium caused by screen corrosion - confirmed by camera survey
299-W19-34B	Hexavalent Chromium;Chromium;Technetium-99;Tritium;Uranium;Iodine-129;Nitrate;Trichloroethene;Tritium	Include CCl4 results. Well screened lower in unconfined aquifer. Constituent results less than adjacent well 299-W19-34A

Well Name	COI	Reason To Exclude
699-38-68A	Chromium	Exclude for chromium only. Elevated chromium caused by screen corrosion - confirmed by camera survey
299-W19-34A	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 80 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.
299-W19-34B	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 180 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.

6.2.9.2 Iodine-129

Iodine-129 was mapped using a single kriging grid covering the entire GIA. Measurement locations in the 200-UP-1 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-67, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Points representing average effluent concentrations were added at the locations of the 200-ZP-1 area injection wells. Several Type 1 data points were included representing historical measurements at locations where more recent were unavailable. In addition, three Type 3 data points were included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site. (Table 6-72).

Table 6-72. Other Data Points Added to the 200-ZP-1 Iodine-129 Interpolation Input File

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W10-35	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W22-79	2.18	2005	Iodine-129	200-ZP-1;200-UP-1	1	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.
299-W22-9	30.1	2005	Iodine-129	200-ZP-1;200-UP-1	1	Result from most recent sampling event on 12/7/2005.
299-W6-13	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W6-14	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
699-35-70	37.1	2008	Iodine-129	200-ZP-1;200-UP-1	1	Result from most recent sampling event on 3/16/2008.
699-36-67	15.4	2007	Iodine-129	200-ZP-1;200-UP-1	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.
699-37-68	3.07	2007	Iodine-129	200-ZP-1;200-UP-1	1	Average of 2007 sampling results (most recent available for well). Well decommissioned in January 2008.
299-W15-29	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
CP_2013_2	34	OTHER DATA	Iodine-129	200-ZP-1;200-UP-1	3	Value and location based on inferred connection of the plume between wells W22-9 and W35-70.
CP_2013_7	6.5	OTHER DATA	Iodine-129	200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction
699-43-67B	0.254	OTHER DATA	Iodine-129	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterizatio n result from adjacent well 699-43-67.

Three wells were excluded from all Iodine-129 input files at the request of the GIA Project Scientist (Table 6-73).

Table 6-73. Measurements Excluded from the 200-ZP-1 Iodine-129 Interpolation Input Files

Well Name	COI	Reason To Exclude
299-W19-34A	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 80 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.

Well Name	COI	Reason To Exclude
299-W19-34B	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 180 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE..

6.2.9.3 Nitrate

Nitrate maps were developed for the main GIA, and for the SSX area, separately. Measurement locations in the 200-UP-1 and 200-BP-5 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-67, and the final interpolation input datasets are provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Points representing average effluent concentrations were added at the locations of the 200-ZP-1 area injection wells. Several Type 1 data points were included, representing 2013 annual average Chromium measured by U.S. Ecology, and representing historical measurements at locations where more recent were unavailable. In addition, Type 3 data points were included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site (Table 6-74).

Table 6-74. Other Data Points Added to the 200-ZP-1 Nitrate Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-E34-7	109000	2005	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	Result from last sampling event on 4/07/2005. Well sampling dry as of 2008.
299-W10-35	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W22-20	104000	2007	Nitrate	200-ZP-1;200-UP-1	1	Average of 2007 sampling results Well last sampled in 2009. Values from 2008 and 2009 sampling events not considered representative of aquifer concentrations.
299-W6-14	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
699-34-58B	17161	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-9. 2013 annual average value
699-35-57	19536	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-3. 2013 annual average value
699-35-58	16730	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-5. 2013 annual average value
699-35-59	18181	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-13. 2013 annual average value
699-36-58A	17161	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-10. 2013 annual average value
699-36-58B	16266	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-8. 2013 annual average value

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
699-50-53A	455960	1992	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	Result from 4/14/1992 sampling event. Water in well after 1992 no longer considered representative of unconfined aquifer.
CP_15	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_16	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_17	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
CP_18	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_19	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_20	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_22	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
CP_23	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP40	0	OTHER DATA	Nitrate	200-ZP-1;200-UP-1	3	Geologic control to represent boundary where basalt is present above water table
699-15-15B	28975	2010	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	Add 699-15-15B as control point with concentration of 28975 ug/L (average of 4 – 2010 sampling results).
299-W15-29	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-13	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
CP_2013_3	100000	OTHER DATA	Nitrate	200-ZP-1;200-UP-1	3	Add control point between wells W22-90 and W22-26 to connect the plume. Vary concentration value appropriately.
CP_2013_4	40000	OTHER DATA	Nitrate	200-ZP-1;200-UP-1	3	Add control point at U-Plant at ~40mg/L

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
CP_2013_8	160000	OTHER DATA	Nitrate	200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction
CP_2013_13	45000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction
CP_2013_14	450000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction
CP_2013_15	450000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction
699-43-67B	70800	OTHER DATA	Nitrate	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.
299-E34-9	452000	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	Considering upward trend in well, maximum value from 2013 used.
CP_2013_39	620000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction
CP_2013_40	500000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
CP_2013_41	500000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction

Three wells were excluded from all Nitrate input files at the request of the GIA Project Scientist (Table 6-75).

Table 6-75. Measurements Excluded from the 200-ZP-1 Nitrate Interpolation Input Files

Well Name	COI	Reason To Exclude
299-W19-34A	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 180 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon carbon tetrachloride and TCE.
299-W19-34B	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 180 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.

6.2.9.4 Technetium-99

Technitium-99 was mapped using two separate grids, main area and SSX. Measurement locations in the 200-UP-1 GIA were included to ensure plume continuity across the GIA boundary. For all maps, input data was determined using the general data selection process detailed in Section 3.2.1 and Figure 3-1. Data section parameters are listed in Table 6-67, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting

limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Points representing average effluent concentrations were added at the locations of the 200-ZP-1 area injection wells. Several Type 1 data points were included representing historical measurements at locations where more recent were unavailable. In addition, Type 3 data points were included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site (Table 6-76).

Table 6-76. Other Data Points Added to the 200-ZP-1 Technitium-99 Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W10-35	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-13	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
CP_24	1000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area.

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
CP_25	1000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area
CP_26	1000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area
CP_27	0	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Location and concentration added based on historical knowledge of source area and westerly upgradient inferred western extent of plume.
299-W15-29	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
						for 200-ZP1 P&T System
CP_2013_5	3000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Value and location based on inferred connection of plume between wells W22-90
699-43-67B	73.6	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.

Three wells were excluded from all Technetium-99 input files at the request of the GIA Project Scientist (Table 6-77).

Table 6-77. Measurements Excluded from the 200-ZP-1 Technetium-99 Interpolation Input Files

Well Name	COI	Reason To Exclude
299-W19-34A	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 80 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.
299-W19-34B	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 180 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.

6.2.9.5 Tritium

Tritium was mapped using a single kriging grid covering the entire GIA. Measurement locations in the 200-UP-1 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-67, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.

- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Several data points representing 2013 annual average chromium measured by U.S. Ecology and data points representing historical measurements at locations where more recent data were unavailable were included as Type 1 data points. Points representing average effluent concentrations were added as Type 1 data points at the locations of the 200-ZP-1 area injection wells. In addition, one Type 3 data point was included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site (Table 6-78).

Table 6-78. Other Data Points Added to the 200-ZP-1 Tritium Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W10-35	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W22-9	650000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	1	2005 sample result from a now dry well; decayed for 8 years: 1 020 000 pCi/L*exp(-ln(2)/12.3*7); needed to represent the

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
						high concentration portion of the plume
299-W23-9	107000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	1	2007 sample result from a now dry well; decayed for 6 years: 150 000 pCi/L * exp (-ln(2)/12.3*5); needed to represent the plume at its source (216-S-25 Crib).
299-W6-13	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
699-30-66	10800	2004	Tritium	200-ZP-1;200-UP-1	1	2004 result from a sample collected from the uppermost part of the aquifer during drilling; decayed for 9 years: 18 000 pCi/L*exp(-ln(2)/12.3*8); needed to bound the southern extent of the plume
699-34-58	3286.5	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-9A. 2013 annual average value
699-34-58B	3152	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-9. 2013 annual average value

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
699-35-57	2061	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-3. 2013 annual average value
699-35-58	2299	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-5. 2013 annual average value
699-35-59	4874	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-13. 2013 annual average value
699-35-70	181000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	1	2008 sample result from a now dry well; decayed for 5 years: 240 000 pCi/L * exp (-ln(2)/12.3*4); needed to represent the high concentration portion of the plume
699-36-58A	3399.75	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-10. 2013 annual average value
699-36-58B	2312.25	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-8. 2013 annual average value
299-W15-29	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
						for 200-ZP1 P&T System
299-W18-39	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
CP_2013_6	300000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	3	Value and location based on inferred connection of the plume between wells 299-W22-9 and 699-36-66B.
699-43-67B	220	OTHER DATA	Tritium	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.

Three wells were excluded from all Tritium input files at the request of the GIA Project Scientist (Table 6-79).

Table 6-79. Measurements Excluded from the 200-ZP-1 Tritium Interpolation Input Files

Well Name	COI	Reason To Exclude
299-W19-34A	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 80 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.
299-W19-34B	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 180 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.

6.2.9.6 Trichloroethene

Trichloroethene was mapped using a single kriging grid covering the entire GIA. Measurement locations in the 200-ZP-1 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are

listed in Table 6-67, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent measurement year. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

Points representing average effluent concentrations were added at the locations of the 200-ZP-1 area injection wells. In addition, one Type 3 data point was included at the direction of the GIA Project Scientist (Table 6-80).

Table 6-80. Other Data Points Added to the 200-ZP-1 Trichloroethene Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W10-35	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
299-W6-13	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-29	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
699-43-67B	1.6	OTHER DATA	Trichloroethene	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.

One well, well 299-W19-34B, was excluded from all Trichloroethene input files at the request of the GIA Project Scientist (Table 6-81).

Table 6-81. Measurements Excluded from the 200-ZP-1 Trichloroethene Interpolation Input Files

Well Name	COI	Reason To Exclude
299-W19-34B	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 180 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE

6.2.9.7 Carbon Tetrachloride

Carbon Tetrachloride distribution was developed based primarily on the dataset used for the CY2012 depiction. That dataset was updated with the maximum measured concentrations at all locations sampled during CY2013. In addition, preliminary data from drilling at 299-W15-228 during CY2014 were considered to provide additional control to plume extents.

6.2.10 300-FF-5 Burial Ground

The list of COIs and data selection parameters is provided in Table 6-82.

Table 6-82. COIs and Data Selection Parameters for 300-FF-5 Burial Ground

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
300-F-BG	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
300-F-BG	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA

Kriging interpolation parameters, along with the name of the corresponding QUANTILE input file(s), are provided in Table 6-83. The QUANTILE input datasets are provided in Appendix B.

Table 6-83. COIs and Interpolation Parameters for 300-FF-5 Burial Ground

COI	Kriging Type	Minimum Range (m)	Maximum Range (m)	Angle (degrees)	File Name
Nitrate	RNK	350	1100	75	300-F-BG_Nitrate.dat
Tritium	RNK	150	600	80	300-F-BG_Tritium.dat

One well was excluded from all 300-FF-5 Burial Ground interpolation input files because their screened interval was outside the aquifer zone of interest (Table 6-84). All excluded data are listed in Appendix A, Table A-4.

Table 6-84. Measurement Locations Excluded from all 300-FF-5 Burial Ground Interpolation Input Files

Well Name	COI	Reason To Exclude
699-13-1A	ALL	Well completed in lower unconfined aquifer. Constituent results not considered representative to define plume extent

6.2.10.1 Nitrate

Nitrate was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-82, and the final interpolation input datasets are provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

One Type 3 data point was included at the direction of the GIA Project Scientist (Table 6-85).

Table 6-85. Other Data Points Added to the 300-FF-5 Burial Ground Nitrate Interpolation Input Files

NAME	MAPPING VALUE (µg/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
CP_28	0	OTHER DATA	Nitrate	300-F-BG	3	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

6.2.10.2 Tritium

Tritium was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-82, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.
- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.
- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

Several data points were included, representing 2012 annual average Tritium collected by Energy Northwest. In addition, one Type 3 data point was included at the direction of the GIA Project Scientist to incorporate prior knowledge of the site (Table 6-86).

Table 6-86. Other Data Points Added to the 300-FF-5 Burial Ground Tritium Interpolation Input Files

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
CP_28_2013	1000	OTHER DATA	Tritium	300-F-BG	3	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.
ENW-MW-10	362.25	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-11	936.75	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy

NAME	MAPPING VALUE (pCi/L)	YEAR	COI	sspaMAPOU	OTHER DATA TYPE	REASON
						Northwest
ENW-MW-12	671.75	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-13	11425	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-14	309.75	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-3	1277.5	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-5	16375	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-6	6017.5	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-7	863.6667	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-8	1210.25	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-9	251.75	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest

6.2.11 1100-EM-1 / Main 300-FF-5 Area

The list of COIs and data selection parameters is provided in Table 6-87.

Table 6-87. COIs and Data Selection Parameters for 1100-EM-1 / Main 300-FF-5 Area

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
300-FF-5	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
300-FF-5	Trichloroethene					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
300-FF-5	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
300-FF-5	Uranium	Uranium	5/1/2013 - 7/31/2013	11/1/2013 - 2/18/2014		y	MEAN VAL RPT	MEAN VAL RPT	MAX VAL RPT

Kriging interpolation parameters, along with the name of the corresponding QUANTILE input file(s), are provided in Table 6-88. The QUANTILE input datasets are provided in Appendix B.

Table 6-88. COIs and Interpolation Parameters for 1100-EM-1 / Main 300-FF-5 Area

COI	Kriging Type	Minimum Range (m)	Maximum Range (m)	Angle (degrees)	File Name
Nitrate	MIK	3000	5000	40	300-FF-5_Nitrate.dat
Trichloroethene	RNK	1052	1400	90	300-FF-5_Trichloroethene.dat
Tritium	RNK	1200	1400	110	300-FF-5_Tritium.dat
Uranium High river stage	LOG	900	1200	160	300-FF-5_Uranium_HI.dat
Uranium Low river stage	LOG	600	900	130	300-FF-5_Uranium_LO.dat

Several wells were excluded from all 1100-EM-1 / Main 300-FF-5 Area interpolation input files because their screened interval was outside the aquifer zone of interest (Table 6-89). All excluded data are listed in Appendix A, Table A-4.

Table 6-89. Measurement Locations Excluded from all 1100-EM-1 / Main 300-FF-5 Area Interpolation Input Files

Well Name	COI	Reason To Exclude

Well Name	COI	Reason To Exclude
1199-39-16D	ALL	Well construction uncertain. Water level at 27 ft well drilled to 66 ft
3099-47-18B	ALL	Well construction uncertain. Water level at 34 ft well drilled to 72 ft. Well drilled in 1948.
399-1-10B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-10A
399-1-13B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-13A
399-1-14B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-14A
399-1-16B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-16A
399-1-16C	ALL	Well completed in uppermost confined aquifer (Ringold Lower Mud)
399-1-17B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-17A
399-1-17C	ALL	Well completed in uppermost confined aquifer (Ringold Lower Mud)
399-1-18B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-18A
399-1-18C	ALL	Well completed in uppermost confined aquifer (Ringold Lower Mud). Constituent results less than adjacent upper unconfined well 399-1-18A
399-1-21B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-21A
399-1-57	ALL	Well completed in lower portion of the unconfined aquifer. Constituent results less than nearby unconfined water table wells
399-1-60	ALL	Well screened at the water table but only sample collected during drilling and not considered representative
399-1-61	ALL	Well screened with 2 ft screened results not considered representative
399-1-62	ALL	Well screened with 2 ft screened results not considered representative
399-1-63	ALL	Well screened with 2 ft screened results not considered representative
399-1-64	ALL	Well screened with 2 ft screened results not

Well Name	COI	Reason To Exclude
		considered representative
399-1-8	ALL	Well completed in lower in the unconfined aquifer. Constituent results less than nearby unconfined water table well 399-1-7
399-1-9	ALL	Well completed in uppermost confined aquifer (Ringold Lower Mud)
399-2-33	ALL	Only sample collected during drilling and not considered representative
399-3-21	ALL	Well completed in lower in the unconfined aquifer. Constituent results less than nearby unconfined water table well 399-3-20
399-3-22	ALL	Well completed in lower in the unconfined aquifer. Constituent results less than nearby unconfined water table well 399-3-12
399-3-34	ALL	Only sample collected during drilling and not considered representative
399-3-37	ALL	Only sample collected during drilling and not considered representative
399-3-38	ALL	Well screened with 2 ft screened results not considered representative
399-5-2	ALL	Well screened in basalt
399-8-5B	ALL	Well completed in uppermost confined aquifer (Ringold Lower Mud). Constituent results less than nearby unconfined water table well 399-1-7
399-8-5C	ALL	Well screened in basalt
699-13-1C	ALL	Well screened in basalt
699-15-E13	ALL	Well screened in basalt
699-2-E14	ALL	Well open in basalt
699-4-E16	ALL	Well screen interval uncertain and well status uncertain. Well status says well decommissioned in 2007 but sample collected in 2009
699-S11-E12AP	ALL	Well screened in basalt
699-S22-E9B	ALL	Well completed in lower unconfined aquifer. Constituent results not considered representative to define plume extents
699-S22-E9C	ALL	Well screened in basalt
699-S24-19P	ALL	Within basalt aquifer system per well construction documentation. Well 699-S24-19Q at same location screened within unconfined aquifer.

Well Name	COI	Reason To Exclude
699-S27-E9B	ALL	Well completed in lower unconfined aquifer. Constituent results less than nearby unconfined water table well 699-S27-E9A
699-S27-E9C	ALL	Well screened in basalt
699-S29-E16B	ALL	Well completed in lower unconfined aquifer. Constituent results less than nearby unconfined water table well 699-S29-E16A
699-S29-E16C	ALL	Well screened in confined aquifer
699-S31-1P	ALL	Screened in basalt per PNNL-13021. Well 699-S31-1 at same location screened within unconfined aquifer
699-S31-E10E	ALL	Well screened in middle unconfined aquifer. Sample results less than nearby upper unconfined aquifer wells 699-S31-E10A and 699-S31-E10C
699-S32-E8	ALL	Well screened in middle unconfined aquifer. Sample results less than nearby upper unconfined aquifer well 699-S31-E8A
699-S38-E12B	ALL	Well screened deeper in the unconfined aquifer and decommissioned in 2007. More recent sampling results for some constituents available from nearby water table well 699-S38-E12A.
699-S41-E13C	ALL	Well screened deeper in the unconfined aquifer. Constituent results less than nearby water tabel well 699-S41-E13C
699-S5-E2	ALL	Well completed in lower unconfined aquifer. Only one sample collected (in 2010). Constituent results less than nearby unconfined water table well 699-S6-E4A

6.2.11.1 Nitrate

Nitrate was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-87, and the final interpolation input datasets are provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.
- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values

below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent year data were collected. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

6.2.11.2 Trichloroethene

Trichloroethene was mapped using a single kriging grid covering the entire GIA. Measurement locations in the 200-ZP-1 GIA were included to ensure plume continuity across the GIA boundary. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-87, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent measurement year. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

- CTAQ: "MAX_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the most recent measurement year. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

6.2.11.3 Tritium

Tritium was mapped using a single kriging grid covering the entire GIA. The general data selection process detailed in Section 3.2.1 and Figure 3-1 was followed. Data section parameters are listed in Table 6-87, and the final interpolation input dataset is provided in Appendix B. Data selection parameters were:

- CT: "MEAN_VALOR_ND_MDA". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the mean was calculated.

- CTAQ: "MAX_VALOR_ND_MDA" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the maximum concentration measured during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined. For aquifer

tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded.

- CTC: "MAX_VALOR_ND_MDA". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples during the most recent year data were collected. If the measured concentration was below reporting limits ("non-detect"), then the reported value was replaced with the MDA before the maximum was determined.

6.2.11.4 Uranium

Uranium was mapped using a single kriging grid covering the entire GIA. Due to delay in the sampling schedule, some measurements taken in January and February 2014 in 1100-EM-1 / Main 300-FF-5 Area were included with the 2013 data, before data processing. These samples are listed in Table A-2.

The 1100-EM-1 / Main 300-FF-5 Area uranium concentration data were pre-processed according to the special data selection procedure outlined in Section 3.2.2 and Figure 3-1. Two uranium plume maps were generated, one representing conditions during the high river stage period (5/1/2013 to 7/31/2013) and another representing conditions during the low river stage period (11/1/2013-2/18/2014).

Two datasets were generated, representing the high river stage period, 5/1/2013 to 7/31/2013, and the low river-stage period, 11/1/2013 to 2/18/2014, respectively. For both the high and low river stage datasets, data selection parameters were:

- CT: "MEAN_VAL_RPT". For routine samples at all locations except aquifer tubes, the value used for mapping was the mean concentration measured during the river stage period. Mean was calculated from the reported concentration, as listed in the "STD_VALUE_RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

- CTAQ: "MEAN_VAL_RPT" and MAXAQ: "yes". For aquifer tubes, the value used for mapping was the mean concentration measured during the river stage period. Mean concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits. For aquifer tube groups, only the aquifer tube with the highest concentration was used for mapping. The other aquifer tubes in the group were excluded. If an aquifer tube was not measured during either the high river stage period, or the low river stage period, it was excluded.

- CTC: "MAX_VAL_RPT". If routine measurements were unavailable, then the value used for mapping was the maximum concentration measured in characterization samples measured during the river stage period. Maximum concentration was determined from the reported concentration, as listed in the "STD_VALUE_ RPTD" field of the HEIS database. No substitutions were made for values below reporting limits.

For the high river stage period (5/1/2013 to 7/31/2013):

For aquifer tubes and wells, mean concentration measured during the high river stage period was used for the interpolation input files. If a well was not measured during the high river stage period, then the annual average for the most recent measurement year was used. If an aquifer tube was not measured during the high river stage periods, it was excluded. The data selection process then continued according to the general data selection rules outlined in Section 3.2.1 and Figure 3-1.

For the low riverstage period (11/1/2013-2/18/2014):

For aquifer tubes and wells, mean concentration measured during the low river stage period was used for the interpolation input files. If a well was not measured during the low river stage period, then the annual average for the most recent measurement year was used. If an aquifer tube was not measured during the low river stage period, it was excluded. The data selection process then continued according to the general data selection rules outlined in Section 3.2.1 and Figure 3-1.

6.3 Plume Area Calculations

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 7-1 to 7-12 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.

7 Results/Conclusions

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

Calculated plume areas per COI and GIA are tabulated in Tables 7-1 to 7-12 below.

Table 7-1 Calculated Plume Area per GIA for Carbon-14

GIA	Concentration (pCi/L)	Plume Area (m^2)
100-KR-4	1,000	59,400
	2,000	27,325
	5,000	14,200
	10,000	7,925

Table 7-2 Calculated Plume Area per GIA for Chromium

GIA	Concentration (µg/L)	Plume Area (m^2)
100-BC-5	10	1,551,325
	20	946,000
	48	154,850
	100	-
	480	-
	4,800	-

Table 7-2 Calculated Plume Area per GIA for Chromium

GIA	Concentration (µg/L)	Plume Area (m^2)
100-KR-4: High River Stage	10	2,045,375
	20	1,045,900
	48	154,050
	100	13,100
	480	-
	4,800	-
100-KR-4: Low River Stage	10	2,129,825
	20	1,072,925
	48	151,400
	100	15,725
	480	-
	4,800	-
100-NR-2: High River Stage	10	781,300
	20	226,325
	48	12,700
	100	-
	480	-
	4,800	-
100-NR-2: Low River Stage	10	756,475
	20	220,500
	48	11,725
	100	-
	480	-
	4,800	-
100-HR-3: High River Stage	10	6,920,300
	20	4,037,725
	48	868,625
	100	220,075
	480	49,675
	4,800	-

Table 7-2 Calculated Plume Area per GIA for Chromium

GIA	Concentration (µg/L)	Plume Area (m^2)
100-HR-3: Low River Stage	10	7,281,075
	20	4,067,000
	48	912,825
	100	215,350
	480	43,200
	4,800	-
100-FR-3: High River Stage	10	337,425
	20	28,975
	48	-
	100	-
	480	-
	4,800	-
100-FR-3: Low River Stage	10	629,900
	20	114,100
	48	-
	100	-
	480	-
	4,800	-
200-BP-5	10	
	20	
	48	18,825
	100	-
	480	-
	4,800	-
200-ZP-1	10	
	20	
	48	224,600
	100	28,250
	480	-
	4,800	-

Table 7-2 Calculated Plume Area per GIA for Chromium

GIA	Concentration (µg/L)	Plume Area (m^2)
200-UP-1	10	
	20	
	48	3,862,000
	100	365,850
	480	500
	4,800	-
200-PO-1	10	
	20	
	48	1,050,725
	100	525
	480	-
	4,800	-

Table 7-3 Calculated Plume Area per GIA for Cyanide

GIA	Concentration (µg/L)	Plume Area (m^2)
200-BP-5	200	375,175
	500	126,000
	1000	675

Table 7-4 Calculated Plume Area per GIA for Iodine-129

Total	Concentration (pCi/L)	Plume Area (m^2)
200-ZP-1	1	101,750
	5	-
	10	-
200-UP-1	1	3,089,275
	5	1,040,925
	10	541,750
200-BP-5	1	4,499,050
	5	12,325
	10	-
200-PO-1	1	52,088,950
	5	949,800
	10	-

Table 7-5 Calculated Plume Area per GIA for Nitrate

GIA	Concentration (mg/L)	Plume Area (m^2)
100-BC-5	45	-
	200	-
	450	-
100-KR-4	45	30,375
	200	-
	450	-
100-NR-2	45	486,650
	200	-
	450	-
100-HR-3	45	64,525
	200	-
	450	-
100-FR-3	45	9,313,775
	200	-
	450	-
300-FF-5	45	2,719,575
	200	321,575
	450	-
200-ZP-1	45	9,774,775
	200	1,403,000
	450	1,675
200-UP-1	45	5,826,875
	200	639,025
	450	1,200
200-BP-5	45	7,861,200
	200	638,975
	450	191,275
200-PO-1	45	3,712,175
	200	-

Table 7-5 Calculated Plume Area per GIA for Nitrate

GIA	Concentration (mg/L)	Plume Area (m^2)
	450	-
1100-EM	45	1,856,225
	200	445,925
	450	-

Table 7-6 Calculated Plume Area per GIA for Strontium-90

GIA	Concentration (pCi/L)	Plume Area (m^2)
100-BC-5	8	599,100
	20	143,700
	80	-
100-KR-4	8	48,750
	20	24,375
	80	3,875
100-NR-2	8	610,525
	20	570,525
	80	402,350
100-HR-3	8	26,525
	20	2,950
	80	-
100-FR-3	8	160,900
	20	97,275
	80	64,825
200-BP-5	8	602,750
	20	433,975
	80	159,125
200-PO-1	8	9,525
	20	-
	80	-

Table 7-7 Calculated Plume Area per GIA for TCE

GIA	Concentration (µg/L)	Plume Area (m^2)
100-KR-4	5	7,825
	8	-
	10	-
100-FR-3	5	809,500
	8	407,975
	10	142,375
300-FF-5	5	23,500
	8	3,400
	10	3,100
200-ZP-1	5	1,157,025
	8	548,300
	10	284,000
200-UP-1	5	221,875
	8	25
	10	-

Table 7-8 Calculated Plume Area per GIA for Technetium-99

GIA	Concentration (pCi/L)	Plume Area (m^2)
200-ZP-1	900	66,850
	3,000	6,650
	9,000	-
	20,000	-
200-UP-1	900	292,150
	3,000	143,350
	9,000	22,575
	20,000	-
200-BP-5	900	2,365,525
	3,000	912,100
	9,000	426,975
	20,000	35,050
200-PO-1	900	33,450
	3,000	-
	9,000	-
	20,000	-

Table 7-9 Calculated Plume Area per GIA for TPH-d

GIA	Concentration (µg/L)	Plume Area (m^2)
100-NR-2	500	16,025
	1,000	8,900
	2,000	3,325
	5,000	1,350
	10,000	425

Table 7-10 Calculated Plume Area per GIA for Tritium

GIA	Concentration (pCi/L)	Plume Area (m^2)
100-BC-5	20,000	-
	45,000	-
100-KR-4	20,000	22,750
	45,000	500
100-NR-2	20,000	3,000
	45,000	725
300-FF-5	20,000	133,475
	45,000	59,050
200-ZP-1	20,000	455,000
	45,000	81,225
200-UP-1	20,000	5,522,550
	45,000	4,097,550
200-BP-5	20,000	157,075
	45,000	-
200-PO-1	20,000	83,358,025
	45,000	20,000,550

Table 7-11 Calculated Plume Area per GIA for Uranium

GIA	Concentration (µg/L)	Plume Area (m^2)
300-FF-5: High River Stage	30	486,900
	300	1,275
300-FF-5: Low River Stage	30	501,900
	300	-
200-BP-5	30	513,700
	300	31,125
200-UP-1	30	339,325
	300	7,075
200-PO-1	30	21,925
	300	-

Table 7-12 Calculated Plume Area per GIA for Carbon Tetrachloride

GIA	Concentration (µg/L)	Plume Area (m^2)
200-ZP-1	5	9,718,800
	50	8,316,400
	100	7,556,400
	500	7,321,900
	1,000	7,091,200
	2,000	6,910,800
200-UP-1	5	5,721,200
	50	4,806,100
	100	4,235,000
	500	4,060,500
	1,000	3,910,800
	2,000	3,794,400

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Appendix A: Data used for the Development of Interpolation Input Files

Table A- 1: COI Concentrations Measured Since January 1, 2011 from the HEIS Database

A hard copy of Table A-1 is not included in this ECF due to size restriction (49,463 records). Table A-1 is available in electronic format.

Table A- 2: COI Concentrations not included in HEIS Database Query

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
199-B3-46	10/23/2013 10:28	N	Hexavalent Chromium	22.2	ug/L		F			2	1	GW	R	PNLGW	B2RFT1	7196_CR6	11/25/2013 12:00	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013
199-B3-46	10/23/2013 10:28	Y	Hexavalent Chromium	22.2	ug/L		F			2	1	GW	R	PNLGW	B2RFT3	7196_CR6	11/25/2013 12:00	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013
199-D4-39	11/6/2013 10:22	Y	Chromium	48.3	ug/L	D	FQ			0.2	2	GW	R	PNLGW	B2RPV9	200.8_METALS _ICPMS	12/10/2013 6:48	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013
199-D4-83	11/6/2013 10:44	Y	Chromium	14.7	ug/L	D	FQ			0.2	2	GW	R	PNLGW	B2RPW3	200.8_METALS _ICPMS	12/10/2013 6:48	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013
199-D4-95	11/6/2013 11:27	Y	Chromium	26	ug/L		FQ			0.1	1	GW	R	PNLGW	B2R4W2	200.8_METALS _ICPMS	12/10/2013 6:48	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013
199-D4-96	11/6/2013 9:49	Y	Chromium	68.6	ug/L	D	FQ			0.2	2	GW	R	PNLGW	B2R4W7	200.8_METALS _ICPMS	12/10/2013 6:48	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013
199-D4-97	11/6/2013 11:51	Y	Chromium	14.2	ug/L	D	FQ			0.2	2	GW	R	PNLGW	B2R4X2	200.8_METALS _ICPMS	12/10/2013 6:48	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013
199-D4-98	11/6/2013 12:15	Y	Chromium	15.4	ug/L	D	FQ			0.2	2	GW	R	PNLGW	B2R4X7	200.8_METALS _ICPMS	12/10/2013 6:48	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013
199-D4-99	11/6/2013 12:36	Y	Chromium	4.41	ug/L	D	FQ			0.2	2	GW	R	PNLGW	B2R4Y2	200.8_METALS _ICPMS	12/10/2013 6:48	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
199-D5-104	11/6/2013 9:22	Y	Chromium	3870	ug/L	D	FQ			0.2	2	GW	R	PNLGW	B2R502	200.8_METALS _ICPMS	12/10/2013 6:48	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013
AT-3-6-M	12/17/2013 11:16	N	Uranium	81.1	ug/L	D	FQ			0.1	2	GW	R	PNLGW	B2T671	200.8_METALS _ICPMS	1/21/2014 9:00	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013
AT-3-7-S	12/17/2013 11:00	N	Uranium	4.43	ug/L	D	FQ			0.1	2	GW	R	PNLGW	B2T685	200.8_METALS _ICPMS	1/21/2014 9:00	AP	Replacing previously reported data from HEIS. C. Arola 3/17/2013
C6284	2/12/2014 10:08	N	Hexavalent Chromium	4	ug/L	B				2	1	GW	R	PNLGW	B2RXC5	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6285	2/12/2014 10:18	N	Hexavalent Chromium	4	ug/L	B				2	1	GW	R	PNLGW	B2RXC7	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6286	2/12/2014 10:25	N	Hexavalent Chromium	4.5	ug/L	B				2	1	GW	R	PNLGW	B2RXC9	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5634	2/12/2014 10:43	N	Hexavalent Chromium	4	ug/L	B				2	1	GW	R	PNLGW	B2RX48	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5632	2/12/2014 10:52	N	Hexavalent Chromium	3.2	ug/L	B				2	1	GW	R	PNLGW	B2RX44	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5635	2/12/2014 11:10	N	Hexavalent Chromium	3.2	ug/L	B				2	1	GW	R	PNLGW	B2RX50	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5636	2/12/2014 11:20	N	Hexavalent Chromium	8.9	ug/L					2	1	GW	R	PNLGW	B2T1D3	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			for HR3 Chrom. C. Arola 3/24/2014
C5636	2/12/2014 11:20	N	Hexavalent Chromium	7.7	ug/L					2	1	GW	R	PNLGW	B2RX52	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5637	2/12/2014 11:33	N	Hexavalent Chromium	7.2	ug/L					2	1	GW	R	PNLGW	B2RX54	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5644	2/12/2014 11:54	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RX61	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5644	2/12/2014 11:54	Y	Chromium	5	ug/L	U				5	1	GW	R	PNLGW	B2RX62	6010_METALS _ICP	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5673	2/12/2014 12:19	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RX64	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5674	2/12/2014 12:29	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RX67	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5674	2/12/2014 12:29	Y	Chromium	5	ug/L	U				5	1	GW	R	PNLGW	B2RX68	6010_METALS _ICP	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5676	2/12/2014 13:00	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RX70	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5677	2/12/2014 13:10	N	Hexavalent Chromium	2.7	ug/L	B				2	1	GW	R	PNLGW	B2RX72	7196_CR6	3/19/2014 10:03	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			3/24/2014
54-M	2/18/2014 12:56	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RWX8	7196_CR6	3/21/2014 8:02	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
54-D	2/18/2014 12:48	N	Hexavalent Chromium	2	ug/L	UN				2	1	GW	R	PNLGW	B2RWX6	7196_CR6	3/21/2014 8:02	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
54-S	2/18/2014 13:03	N	Hexavalent Chromium	7.2	ug/L	N				2	1	GW	R	PNLGW	B2RWY0	7196_CR6	3/21/2014 8:02	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
52-D	2/18/2014 13:25	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RWX0	7196_CR6	3/21/2014 8:02	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
52-M	2/18/2014 13:33	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RWX2	7196_CR6	3/21/2014 8:02	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
52-S	2/18/2014 13:40	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RWX4	7196_CR6	3/21/2014 8:02	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6299	1/9/2014 10:44	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXH1	7196_CR6	1/27/2014 11:26	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6293	1/9/2014 13:01	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXF3	7196_CR6	1/27/2014 11:26	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
AT-H-2-D	1/9/2014 12:11	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RX33	7196_CR6	1/27/2014 11:26	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
C7650	1/9/2014 11:48	N	Hexavalent Chromium	30.9	ug/L					2	1	GW	R	PNLGW	B2T1F2	7196_CR6	1/27/2014 11:26	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C7650	1/9/2014 11:48	N	Hexavalent Chromium	35.2	ug/L					2	1	GW	R	PNLGW	B2RXK3	7196_CR6	1/27/2014 11:26	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C7649	1/9/2014 11:39	N	Hexavalent Chromium	2.1	ug/L	B				2	1	GW	R	PNLGW	B2RXK0	7196_CR6	1/27/2014 11:26	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6297	1/9/2014 11:21	N	Hexavalent Chromium	10.5	ug/L					2	1	GW	R	PNLGW	B2RXF9	7196_CR6	1/27/2014 11:26	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6296	1/9/2014 11:14	N	Hexavalent Chromium	3.2	ug/L	B				2	1	GW	R	PNLGW	B2RXF6	7196_CR6	1/27/2014 11:26	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6301	1/9/2014 10:58	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXH6	7196_CR6	1/27/2014 11:26	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6300	1/9/2014 10:51	N	Hexavalent Chromium	2.3	ug/L	B				2	1	GW	R	PNLGW	B2RXH3	7196_CR6	1/27/2014 11:26	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6290	1/13/2014 11:19	N	Hexavalent Chromium	2	ug/L	UN				2	1	GW	R	PNLGW	B2RXD6	7196_CR6	1/21/2014 9:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6291	1/13/2014 11:26	N	Hexavalent Chromium	2	ug/L	UN				2	1	GW	R	PNLGW	B2RXD9	7196_CR6	1/21/2014 9:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
45-S	1/13/2014 12:16	N	Hexavalent Chromium	2	ug/L	UN				2	1	GW	R	PNLGW	B2RWR8	7196_CR6	1/21/2014 9:00	AP	Include 2014 Aquifer tube data

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			for HR3 Chrom. C. Arola 3/24/2014
45-M	1/13/2014 12:23	N	Hexavalent Chromium	2	ug/L	UN				2	1	GW	R	PNLGW	B2RWR6	7196_CR6	1/21/2014 9:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
45-D	1/13/2014 12:31	N	Hexavalent Chromium	3.6	ug/L	BN				2	1	GW	R	PNLGW	B2RWR4	7196_CR6	1/21/2014 9:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6288	1/14/2014 12:20	N	Hexavalent Chromium	10.4	ug/L	N				2	1	GW	R	PNLGW	B2RXD4	7196_CR6	1/29/2014 10:38	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6287	1/14/2014 12:06	N	Hexavalent Chromium	13.4	ug/L	N				2	1	GW	R	PNLGW	B2RXD1	7196_CR6	1/29/2014 10:38	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5680	1/14/2014 11:06	N	Hexavalent Chromium	5.2	ug/L	N				2	1	GW	R	PNLGW	B2RX78	7196_CR6	1/29/2014 10:38	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C5679	1/14/2014 10:47	N	Hexavalent Chromium	2	ug/L	BN				2	1	GW	R	PNLGW	B2RX76	7196_CR6	1/29/2014 10:38	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C7645	1/15/2014 8:46	N	Hexavalent Chromium	2.7	ug/L	BN				2	1	GW	R	PNLGW	B2RXH8	7196_CR6	1/30/2014 7:55	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C7646	1/15/2014 8:53	N	Hexavalent Chromium	5.5	ug/L	N				2	1	GW	R	PNLGW	B2RXJ0	7196_CR6	1/30/2014 7:55	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C7648	1/15/2014 9:01	N	Hexavalent Chromium	2	ug/L	UN				2	1	GW	R	PNLGW	B2RXJ7	7196_CR6	1/30/2014 7:55	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			3/24/2014
DD-50-1	1/15/2014 9:20	N	Hexavalent Chromium	5	ug/L	N				2	1	GW	R	PNLGW	B2RXW5	7196_CR6	1/30/2014 7:55	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-50-2	1/15/2014 9:28	N	Hexavalent Chromium	5.3	ug/L					2	1	GW	R	PNLGW	B2RXW7	7196_CR6	1/30/2014 7:55	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-50-3	1/15/2014 9:37	N	Hexavalent Chromium	9	ug/L					2	1	GW	R	PNLGW	B2RXX1	7196_CR6	1/30/2014 7:55	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-50-4	1/15/2014 9:46	N	Hexavalent Chromium	6.3	ug/L					2	1	GW	R	PNLGW	B2RXX3	7196_CR6	1/30/2014 7:55	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-49-1	1/15/2014 10:10	N	Hexavalent Chromium	11.6	ug/L	N				2	1	GW	R	PNLGW	B2RXV5	7196_CR6	1/30/2014 7:55	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-49-2	1/15/2014 10:17	N	Hexavalent Chromium	11.1	ug/L	N				2	1	GW	R	PNLGW	B2RXV7	7196_CR6	1/30/2014 7:55	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-49-4	1/15/2014 10:29	N	Hexavalent Chromium	6.8	ug/L	N				2	1	GW	R	PNLGW	B2RXW3	7196_CR6	1/30/2014 7:55	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-49-4	1/15/2014 10:29	N	Hexavalent Chromium	7.5	ug/L	N				2	1	GW	R	PNLGW	B2T1C6	7196_CR6	1/30/2014 7:55	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6275	1/16/2014 11:12	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXB4	7196_CR6	2/14/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
C6278	1/16/2014 11:36	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXB8	7196_CR6	2/14/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6272	1/16/2014 10:46	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXB1	7196_CR6	2/14/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-44-3	1/16/2014 10:35	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXT8	7196_CR6	2/14/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-41-1	1/16/2014 11:08	N	Hexavalent Chromium	2	ug/L	U	A			2	1	GW	R	PNLGW	B2RXP3	7196_CR6	2/14/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
Redox-4-6.0	1/16/2014 11:29	Y	Chromium	5	ug/L	U				5	1	GW	R	PNLGW	B2RY09	6010_METALS _ICP	2/14/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
Redox-4-6.0	1/16/2014 11:29	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RY08	7196_CR6	2/14/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
Redox-4-3.0	1/16/2014 11:42	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RY04	7196_CR6	2/14/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
Redox-3-3.3	1/16/2014 11:59	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXY7	7196_CR6	2/14/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
Redox-2-6.0	1/20/2014 10:52	N	Hexavalent Chromium	7.4	ug/L					2	1	GW	R	PNLGW	B2RXY4	7196_CR6	2/21/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
Redox-2-6.0	1/20/2014 10:52	Y	Chromium	5	ug/L	U				5	1	GW	R	PNLGW	B2RXY5	6010_METALS _ICP	2/21/2014 12:00	AP	Include 2014 Aquifer tube data

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			for HR3 Chrom. C. Arola 3/24/2014
Redox-1-3.3	1/20/2014 11:14	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXX5	7196_CR6	2/21/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-16-3	1/20/2014 12:42	N	Hexavalent Chromium	13.6	ug/L					2	1	GW	R	PNLGW	B2RXM9	7196_CR6	2/21/2014 12:00	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
AT-D-5-M	1/30/2014 10:42	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RX21	7196_CR6	3/4/2014 10:59	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
AT-D-5-D	1/30/2014 10:50	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RX19	7196_CR6	3/4/2014 10:59	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-12-4	1/30/2014 10:15	N	Hexavalent Chromium	6.1	ug/L					2	1	GW	R	PNLGW	B2RXL6	7196_CR6	3/4/2014 10:59	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-15-3	1/30/2014 9:45	N	Hexavalent Chromium	18.4	ug/L					2	1	GW	R	PNLGW	B2RXM3	7196_CR6	3/4/2014 10:59	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-15-4	1/30/2014 9:55	N	Hexavalent Chromium	14.3	ug/L					2	1	GW	R	PNLGW	B2RXM6	7196_CR6	3/4/2014 10:59	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-41-2	1/30/2014 8:55	Y	Chromium	5	ug/L	U				5	1	GW	R	PNLGW	B2RXP8	6010_METALS _ICP	3/4/2014 10:59	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
DD-41-2	1/30/2014 8:55	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXP7	7196_CR6	3/4/2014 10:59	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			3/24/2014
DD-15-2	1/30/2014 9:31	N	Hexavalent Chromium	13.4	ug/L					2	1	GW	R	PNLGW	B2RXL9	7196_CR6	3/4/2014 10:59	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6282	1/30/2014 12:01	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXC3	7196_CR6	3/4/2014 10:59	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
C6281	1/30/2014 11:54	N	Hexavalent Chromium	2	ug/L	U				2	1	GW	R	PNLGW	B2RXC0	7196_CR6	3/4/2014 10:59	AP	Include 2014 Aquifer tube data for HR3 Chrom. C. Arola 3/24/2014
199-N-167	11/14/2012 11:47	N	Total petroleum hydrocarbons - diesel range	3700	ug/L					100	1	GW	R		B2MB39	WTPH_DIESEL	12/18/2012	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-169	11/14/2012 10:57	N	Total petroleum hydrocarbons - diesel range	1150	ug/L						1	GW	R		B2MB43	WTPH_DIESEL	12/18/2012	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-171	11/14/2012 9:26	N	Total petroleum hydrocarbons - diesel range	4620	ug/L						1	GW	R		B2MB45	WTPH_DIESEL	12/18/2012	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-169	6/26/2013 10:33	N	Total petroleum hydrocarbons - diesel range	1370	ug/L	X				49	1	GW	R		B2PM21	WTPH_DIESEL	7/30/2013	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-171	6/26/2013 11:22	N	Total petroleum hydrocarbons - diesel range	5570	ug/L	X				96.2	2	GW	R		B2PM24	WTPH_DIESEL	7/30/2013	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			them as GW, routine, non-filtered samples
199-N-3	6/20/2013 9:57	N	Total petroleum hydrocarbons - diesel range	47.6	ug/L	XU				47.6	1	GW	R		B2PM27	WTPH_DIESEL	7/31/2013	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-183	6/20/2013 10:51	N	Total petroleum hydrocarbons - diesel range	3350	ug/L	X				50	1	GW	R		B2PM32	WTPH_DIESEL	7/31/2013	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-96A	6/24/2013 12:03	N	Total petroleum hydrocarbons - diesel range	48.5	ug/L	U				48.5	1	GW	R		B2PM35	WTPH_DIESEL	7/29/2013	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-173	6/24/2013 11:02	N	Total petroleum hydrocarbons - diesel range	2990	ug/L					50	1	GW	R		B2PM38	WTPH_DIESEL	7/29/2013	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-19	6/24/2013 9:46	N	Total petroleum hydrocarbons - diesel range	111	ug/L	J				48.1	1	GW	R		B2PM41	WTPH_DIESEL	7/29/2013	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-56	6/26/2013 9:52	N	Total petroleum hydrocarbons - diesel range	95.5	ug/L	JX				48.1	1	GW	R		B2PM44	WTPH_DIESEL	7/30/2013	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
C6132	6/20/2013 8:05	N	Total petroleum hydrocarbons - diesel range	49.5	ug/L	XU				49.5	1	GW	R		B2PM47	WTPH_DIESEL	7/31/2013	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			them as GW, routine, non-filtered samples
N116mArray-0A	6/20/2013 8:50	N	Total petroleum hydrocarbons - diesel range	772	ug/L	X				49	1	GW	R		B2PM53	WTPH_DIESEL	7/31/2013	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-169	12/18/2013 9:05	N	Total petroleum hydrocarbons - diesel range	871	ug/L					50	1	GW	R		B2TR47	WTPH_DIESEL	1/9/2014	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-171	12/18/2013 10:53	N	Total petroleum hydrocarbons - diesel range	9450	ug/L	D				250	5	GW	R		B2TR50	WTPH_DIESEL	1/9/2014	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-3	12/16/2013 14:39	N	Total petroleum hydrocarbons - diesel range	50	ug/L	U				50	1	GW	R		B2TR53	WTPH_DIESEL	1/9/2014	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-183	12/17/2013 11:37	N	Total petroleum hydrocarbons - diesel range	3030	ug/L					50	1	GW	R		B2TR56	WTPH_DIESEL	1/9/2014	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-96A	12/18/2013 12:43	N	Total petroleum hydrocarbons - diesel range	101	ug/L	J				47.6	1	GW	R		B2TR59	WTPH_DIESEL	1/9/2014	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-173	12/18/2013 11:46	N	Total petroleum hydrocarbons - diesel range	477	ug/L	J				47.6	1	GW	R		B2TR62	WTPH_DIESEL	1/9/2014	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			them as GW, routine, non-filtered samples
199-N-19	12/18/2013 11:15	N	Total petroleum hydrocarbons - diesel range	65.4	ug/L	J				46.7	1	GW	R		B2TR65	WTPH_DIESEL	1/9/2014	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
N116mArray-0A	12/19/2013 11:00	N	Total petroleum hydrocarbons - diesel range	89.6	ug/L	J				50	1	GW	R		B2TR68	WTPH_DIESEL	1/9/2014	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
C6132	12/19/2013 9:34	N	Total petroleum hydrocarbons - diesel range	50	ug/L	U				50	1	GW	R		B2TR71	WTPH_DIESEL	1/9/2014	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
199-N-56	12/17/2013 12:41	N	Total petroleum hydrocarbons - diesel range	49	ug/L	U				49	1	GW	R		B2TR77	WTPH_DIESEL	1/9/2014	AP	4/7/2014 email form Alex Spiliotopoulos tab 4-7-2014; add them as GW, routine, non-filtered samples
399-1-1	1/10/2014 8:30	N	Uranium	50.6	ug/L	D				0.1	2	GW	R	PNLGW	B2TJ38	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-6	1/10/2014 7:55	N	Uranium	6.55	ug/L	D				0.1	2	GW	R	PNLGW	B2TJF7	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-7	1/10/2014 13:53	N	Uranium	91.9	ug/L	D				0.1	2	GW	R	PNLGW	B2TJJ3	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			requested to use Jan 2014 Uranium data
399-1-8	1/10/2014 13:16	N	Uranium	1.88	ug/L	D				0.1	2	GW	R	PNLGW	B2TJJ7	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-9	1/14/2014 13:53	N	Uranium	0.05	ug/L	U				0.05	1	GW	R	PNLGW	B2TJK1	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-10A	1/21/2014 8:18	N	Uranium	26.6	ug/L	D				0.1	2	GW	R	PNLGW	B2TJ42	200.8_METALS _ICPMS	2/24/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-10B	1/21/2014 9:33	N	Uranium	0.1	ug/L	UD				0.1	2	GW	R	PNLGW	B2TJ46	200.8_METALS _ICPMS	2/24/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-11	1/14/2014 12:37	N	Uranium	8.78	ug/L	D				0.1	2	GW	R	PNLGW	B2TJ50	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-12	1/14/2014 11:46	N	Uranium	15.8	ug/L	D				0.1	2	GW	R	PNLGW	B2TJ54	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-15	1/10/2014 12:03	N	Uranium	5.52	ug/L	D				0.1	2	GW	R	PNLGW	B2TJ58	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			requested to use Jan 2014 Uranium data
399-1-16A	1/10/2014 9:08	N	Uranium	82.1	ug/L	D				0.1	2	GW	R	PNLGW	B2TJ61	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-16B	1/10/2014 10:24	N	Uranium	7.85	ug/L	D				0.1	2	GW	R	PNLGW	B2TJ65	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-16C	1/10/2014 11:50	N	Uranium	0.1	ug/L	UD				0.1	2	GW	R	PNLGW	B2TJ69	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-17A	1/14/2014 9:31	N	Uranium	47.6	ug/L	D				0.1	2	GW	R	PNLGW	B2TJ73	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-17B	1/9/2014 14:25	N	Uranium	0.1	ug/L	UD				0.1	2	GW	R	PNLGW	B2TJ77	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-17C	1/14/2014 10:46	N	Uranium	0.1	ug/L	UD				0.1	2	GW	R	PNLGW	B2TJ81	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-18A	1/10/2014 8:34	N	Uranium	5.5	ug/L	D				0.1	2	GW	R	PNLGW	B2TJ85	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			requested to use Jan 2014 Uranium data
399-1-18B	1/10/2014 11:06	N	Uranium	0.05	ug/L	U				0.05	1	GW	R	PNLGW	B2TJ89	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-18C	1/10/2014 9:51	N	Uranium	0.1	ug/L	UD				0.1	2	GW	R	PNLGW	B2TJ93	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-21A	1/9/2014 13:10	N	Uranium	20	ug/L	D				0.1	2	GW	R	PNLGW	B2TJB1	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-21A	1/9/2014 13:10	N	Uranium	19.9	ug/L	D				0.1	2	GW	R	PNLGW	B2TKC3	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-21B	1/14/2014 14:27	N	Uranium	0.1	ug/L	UD				0.1	2	GW	R	PNLGW	B2TJB5	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-23	1/9/2014 12:06	N	Uranium	48	ug/L	D				0.1	2	GW	R	PNLGW	B2TJB9	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-54	1/10/2014 10:31	N	Uranium	25.5	ug/L	D				0.1	2	GW	R	PNLGW	B2TJC3	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			requested to use Jan 2014 Uranium data
399-1-55	1/10/2014 12:09	N	Uranium	283	ug/L	D				0.1	2	GW	R	PNLGW	B2TJC7	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-56	1/10/2014 8:59	N	Uranium	7.3	ug/L	D				0.1	2	GW	R	PNLGW	B2TJD1	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-61	1/10/2014 9:53	N	Uranium	14.5	ug/L	D				0.1	2	GW	R	PNLGW	B2TJH1	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-62	1/10/2014 11:33	N	Uranium	358	ug/L	D				0.1	2	GW	R	PNLGW	B2TJH5	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-1-64	1/10/2014 12:44	N	Uranium	14.8	ug/L	D				0.1	2	GW	R	PNLGW	B2TJH9	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-2-1	1/14/2014 11:21	N	Uranium	159	ug/L	D				0.1	2	GW	R	PNLGW	B2TJK5	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-2-2	1/13/2014 12:06	N	Uranium	142	ug/L	D				0.1	2	GW	R	PNLGW	B2TJK9	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			requested to use Jan 2014 Uranium data
399-2-5	1/13/2014 14:38	N	Uranium	35.9	ug/L	D				0.1	2	GW	R	PNLGW	B2TJL7	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-2-32	1/13/2014 13:29	N	Uranium	35.8	ug/L	D				0.1	2	GW	R	PNLGW	B2TJL3	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-3-1	1/14/2014 10:54	N	Uranium	125	ug/L	D				0.1	2	GW	R	PNLGW	B2TJM1	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-3-9	1/14/2014 9:25	N	Uranium	150	ug/L	D				0.1	2	GW	R	PNLGW	B2TJV1	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-3-10	1/10/2014 12:05	N	Uranium	141	ug/L	D				0.1	2	GW	R	PNLGW	B2TJM5	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-3-18	1/14/2014 10:13	N	Uranium	134	ug/L	D				0.1	2	GW	R	PNLGW	B2TJN4	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-3-19	1/14/2014 8:54	N	Uranium	10.4	ug/L	D				0.1	2	GW	R	PNLGW	B2TJN8	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			requested to use Jan 2014 Uranium data
399-3-20	1/10/2014 8:42	N	Uranium	47.2	ug/L	D				0.1	2	GW	R	PNLGW	B2TJP6	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-3-21	1/10/2014 10:26	N	Uranium	0.174	ug/L	BD				0.1	2	GW	R	PNLGW	B2TJR0	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-3-33	1/14/2014 9:48	N	Uranium	136	ug/L	D				0.1	2	GW	R	PNLGW	B2TJR9	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-3-38	1/14/2014 11:43	N	Uranium	57.4	ug/L	D				0.1	2	GW	R	PNLGW	B2TJT3	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-4-1	1/13/2014 9:48	N	Uranium	23.6	ug/L					0.05	1	GW	R	PNLGW	B2TJV6	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-4-7	1/13/2014 10:26	N	Uranium	64	ug/L	D				0.1	2	GW	R	PNLGW	B2TJY0	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-4-9	1/13/2014 12:42	N	Uranium	91.3	ug/L	D				0.1	2	GW	R	PNLGW	B2TJY4	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			requested to use Jan 2014 Uranium data
399-4-11	1/13/2014 13:26	N	Uranium	23.3	ug/L	D				0.1	2	GW	R	PNLGW	B2TJW4	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-4-12	1/14/2014 12:45	N	Uranium	27.7	ug/L	D				0.1	2	GW	R	PNLGW	B2TJW8	200.8_METALS _ICPMS	2/19/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-4-14	1/13/2014 12:04	N	Uranium	43.2	ug/L	D				0.1	2	GW	R	PNLGW	B2TJX2	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-4-15	1/13/2014 10:58	N	Uranium	25	ug/L	D				0.1	2	GW	R	PNLGW	B2TJX6	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-4-15	1/13/2014 10:58	N	Uranium	22.5	ug/L	D				0.1	2	GW	R	PNLGW	B2TKC6	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-5-4B	1/13/2014 9:41	N	Uranium	8.13	ug/L	D				0.1	2	GW	R	PNLGW	B2TJY8	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-6-3	1/13/2014 10:27	N	Uranium	21	ug/L	D				0.1	2	GW	R	PNLGW	B2TK02	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			requested to use Jan 2014 Uranium data
399-8-1	1/13/2014 14:05	N	Uranium	31.9	ug/L	D				0.1	2	GW	R	PNLGW	B2TK11	200.8_METALS _ICPMS	2/14/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
399-8-5A	1/9/2014 14:19	N	Uranium	41.7	ug/L	D				0.1	2	GW	R	PNLGW	B2TK15	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
699-S27-E14	1/9/2014 12:48	N	Uranium	9.14	ug/L	D				0.1	2	GW	R	PNLGW	B2TK27	200.8_METALS _ICPMS	2/11/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
699-S28-E12	1/7/2014 11:23	N	Uranium	10.5	ug/L	D				0.1	2	GW	R	PNLGW	B2TK74	200.8_METALS _ICPMS	2/7/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
AT-3-1-D(1)	1/6/2014 10:33	N	Uranium	55	ug/L	D				0.1	2	GW	R	PNLGW	B2T632	200.8_METALS _ICPMS	2/6/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
AT-3-1-M	1/6/2014 10:09	N	Uranium	29.5	ug/L					0.05	1	GW	R	PNLGW	B2T634	200.8_METALS _ICPMS	2/6/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
AT-3-1-S	1/22/2014 13:16	N	Uranium	17	ug/L	D				0.1	2	GW	R	PNLGW	B2T638	200.8_METALS _ICPMS	2/25/2014 12:01	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay

WELL NAME	SAMP DATE TIME	FILTERED FLAG	STD CON LONG NAME	STD VALUE RPTD	STD ANAL UNITS RPTD	LAB QUALIFIER	REVIEW QUALIFIER	VALIDATION QUALIFIER	STD MDA	STD REPORTING LIMIT	DILUT FACTOR	MEDIA	COLLECTION PURPOSE	OWNER ID	SAMP NUM	METHOD NAME	LOAD DATE TIME	sspaQUAL	sspaQUAL Note
																			requested to use Jan 2014 Uranium data
AT-3-2-M	1/23/2014 9:26	N	Uranium	47.5	ug/L	D				0.1	2	GW	R	PNLGW	B2T640	200.8_METALS _ICPMS	3/4/2014 10:59	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
AT-3-2-S	1/6/2014 10:54	N	Uranium	29.4	ug/L	D				0.1	2	GW	R	PNLGW	B2T644	200.8_METALS _ICPMS	2/6/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
AT-3-7-D	1/23/2014 9:01	N	Uranium	10.8	ug/L	D				0.1	2	GW	R	PNLGW	B2T678	200.8_METALS _ICPMS	3/4/2014 10:59	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data
C6347	1/6/2014 11:40	N	Uranium	127	ug/L	D				0.1	2	GW	R	PNLGW	B2T6B8	200.8_METALS _ICPMS	2/6/2014 12:00	AP	4/17/2014 email form Alex Spiliotopoulos; Virginia Rohay requested to use Jan 2014 Uranium data

Table A- 3: Measurement Locations and Type

A hard copy of Table A-3 is not included in this ECF due to size restriction (49,463 records). Table A-1 is available in electronic format.

Table A- 4: Data Removed from Interpolation Datasets

Well Name	COI	Reason To Exclude
699-13-1A	ALL	Well completed in lower unconfined aquifer. Constituent results not considered representative to define plume extent
1199-39-16D	ALL	Well construction uncertain. Water level at 27 ft well drilled to 66 ft
199-B2-12	ALL	Well screened in water-bearing unit of RUM
199-B2-15	ALL	Well screened in water-bearing unit of RUM
199-B2-16	ALL	Well screened in lower unconfined aquifer.
199-B3-51	ALL	Screened in lower portion of unconfined aquifer. Extent of plume in this area defined by water table well 199-B3-47
199-B5-5	ALL	Well screened in lower unconfined aquifer.
199-B5-6	ALL	Well screened in lower unconfined aquifer.
199-D5-134	ALL	Well screened in the RUM
199-D5-141	ALL	Well screened in the RUM
199-D8-54B	ALL	Well screened in the RUM
199-F5-43B	ALL	Well screened in water-bearing unit of RUM
199-F5-53	ALL	Well screened in water-bearing unit of RUM
199-H2-1	ALL	Well screened in the RUM
199-H3-10	ALL	Well screened in the RUM
199-H3-2C	ALL	Well screened in the RUM
199-H3-9	ALL	Well screened in the RUM
199-H4-12C	ALL	Well screened in the RUM
199-H4-15CP	ALL	Well screened in Basalt
199-H4-15CQ	ALL	Well screened in Ringold Unit A
199-H4-15CR	ALL	Well screened in Ringold Unit B

Well Name	COI	Reason To Exclude
199-H4-15CS	ALL	Well screened in the RUM
199-H4-2	ALL	Well screened in Basalt
199-K-192	ALL	Well screeed in the RUM
199-K-32B	ALL	Well screeed in the RUM
199-N-120	Strontium-90	Exclude Sr-90 data only. Well screened with 5 ft length screen more than 15 ft below water table. Concentrations of Sr-90 much lower compared to concentrations detected by nearby water table wells
199-N-121	Strontium-90	Exclude Sr-90 data only. Well screened with 5 ft length screen at bottom of unconfined aquifer more than 15 ft below water table. Concentrations of Sr-90 much lower compared to concentrations detected by nearby water table wells
199-N-69	Strontium-90	Exclude Sr-90 data only. Well screened more than 15 ft below water table. Concentrations of Sr-90 much lower compared to concentrations detected by nearby water table wells
199-N-70	ALL	Well screened more than 15 ft below water table. Concentrations of analytes lower compared to concentrations detected by nearby water table wells
199-N-77	ALL	Well screened more than 15 ft below water table. Concentrations of analytes lower compared to concentrations detected by nearby water table wells
199-N-80	ALL	Well screened in RUM.
299-E16-1	ALL	Well screened 468 to 510 ft bgs (468 to 472 ft very deep unconsolidated and 472 to 510 in basalt)
299-E26-8	ALL	Well screened in Basalt
299-E33-12	ALL	Well screened in Basalt
299-E33-340	ALL	Well screened in Basalt
299-E33-344	ALL	Well monitors perched water
299-E33-40	ALL	Well screened in Basalt
299-E33-50	ALL	Well screened in Basalt
299-E34-13	ALL	Temporary drilled to basalt in 2010. Insufficient water for monitoring well to be constructed
299-W14-71	Chromium	Exclude for chromium only. Elevated chromium caused by screen corrosion - confirmed by

Well Name	COI	Reason To Exclude
		camera survey
299-W18-22	ALL	Deep well; adjacent shallow well (299-W18-21) has higher concentrations for all constituents including carbon tetrachloride.
299-W19-34A	Carbon-14; Cyanide;Hexavalent Chromium; Chromium; Iodine-129; Nitrate;Strontium-90; Technetium-99;Total petroleum hydrocarbons - diesel range; Tritium;Uranium	Well screened 80 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.
299-W27-2	ALL	Deep well; exclude for all constituents even for carbon tetrachloride (adjacent shallow well 699-33-75 has a higher carbon tetrachloride concentration); screen corrosion confirmed by camera survey
3099-47-18B	ALL	Well construction uncertain. Water level at 34 ft well drilled to 72 ft. Well drilled in 1948.
399-1-10B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-10A
399-1-13B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-13A
399-1-14B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-14A
399-1-16B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-16A
399-1-16C	ALL	Well completed in uppermost confined aquifer (Ringold Lower Mud)
399-1-17B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-17A
399-1-17C	ALL	Well completed in uppermost confined aquifer (Ringold Lower Mud)
399-1-18B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-18A
399-1-18C	ALL	Well completed in uppermost confined aquifer (Ringold Lower Mud). Constituent results less than adjacent upper unconfined well 399-1-18A

Well Name	COI	Reason To Exclude
399-1-21B	ALL	Well completed in lower unconfined aquifer. Constituent results less than adjacent upper unconfined well 399-1-21A
399-1-57	ALL	Well completed in lower portion of the unconfined aquifer. Constituent results less than nearby unconfined water table wells
399-1-60	ALL	Well screened at the water table but only sample collected during drilling and not considered representative
399-1-61	ALL	Well screened with 2 ft screened results not considered representative
399-1-62	ALL	Well screened with 2 ft screened results not considered representative
399-1-63	ALL	Well screened with 2 ft screened results not considered representative
399-1-64	ALL	Well screened with 2 ft screened results not considered representative
399-1-8	ALL	Well completed in lower in the unconfined aquifer. Constituent results less than nearby unconfined water table well 399-1-7
399-1-9	ALL	Well completed in uppermost confined aquifer (Ringold Lower Mud)
399-2-33	ALL	Only sample collected during drilling and not considered representative
399-3-21	ALL	Well completed in lower in the unconfined aquifer. Constituent results less than nearby unconfined water table well 399-3-20
399-3-22	ALL	Well completed in lower in the unconfined aquifer. Constituent results less than nearby unconfined water table well 399-3-12
399-3-34	ALL	Only sample collected during drilling and not considered representative
399-3-37	ALL	Only sample collected during drilling and not considered representative
399-3-38	ALL	Well screened with 2 ft screened results not considered representative
399-5-2	ALL	Well screened in basalt
399-8-5B	ALL	Well completed in uppermost confined aquifer (Ringold Lower Mud). Constituent results less than nearby unconfined water table well 399-1-7
399-8-5C	ALL	Well screened in basalt
499-S0-7	ALL	Water supply well. Concentrations of tritium approximately 1/3 to 1/4 of nearby water table wells 699-2-3 and 699-2-6A

Well Name	COI	Reason To Exclude
499-S0-8	ALL	Water supply well. Concentrations of tritium approximately 1/3 to 1/4 of nearby water table wells 699-2-3 and 699-2-6A
499-S1-8J	ALL	Water supply well. Concentrations of tritium approximately 1/3 to 1/4 of nearby water table wells 699-2-3 and 699-2-6A
699-13-1C	ALL	Well screened in basalt
699-15-E13	ALL	Well screened in basalt
699-18-25A	ALL	Bottom of well tagged at 96.4 m bgs on 10/2/2009. Water level measured at 38.3 m bgs on same date. Based on lower concentrations of contaminants (e.g. tritium) as compared to nearby wells screened at water table (e.g. 699-20-20) well inferred to be screened deeper in the unconfined aquifer.
699-19-23	ALL	Well screened in lower unconfined aquifer based on borehole log and well construction report.
699-20-E12S	ALL	Well screened in deep unconfined aquifer per PNNL-13021. Well 699-20-E12O screened at water table and at same location sampled for PO-1. Concentrations of tritium detected much higher in 699-20-E12O
699-23-33	ALL	Depth to water measured at 144.2 ft bgs and bottom of well measured at 232.4 ft bgs in 2007. Screened interval unknown
699-24-1P	ALL	Well screened below top of basalt as described in borehole log
699-25-20	ALL	Per Decommissioning Plan depth of well >500 ft (extent of E-tape). Screened interval unknown. Based on lower concentrations of contaminants (e.g. tritium) as compared to nearby wells screened at water table (e.g. 699-26-15A) well inferred to be screened deeper in the unconfined aquifer.
699-25-33A	ALL	Screened at top of lower permeability unit within unconfined aquifer
699-26-35C	ALL	Screened at top of lower permeability unit within unconfined aquifer
699-2-7	ALL	Top of screen 20 ft below water table. Water table well 699-2-6A is adjacent to this well. Groundwater concentrations of tritium in this well lower than well 699-2-6A but concentrations of nitrate and other constituents concentrations similar
699-2-E14	ALL	Well open in basalt
699-31-17	ALL	Well screened within lower unconfined aquifer. Tritium results more than one order of magnitude less than well 699-31-11 or well 699-35-9.

Well Name	COI	Reason To Exclude
699-31-8	ALL	Well presumably screened with lower unconfined aquifer (depth to bottom of well tagged at 582 ft in 2006). Tritium results more than one order of magnitude less than well 699-31-11 or well 699-35-9.
699-32-22B	ALL	Well completed in basalt
699-36-17	ALL	Well decommissioned in 2010. Screen interval uncertain. 2009 tritium and I-129 result lower than nearby water table wells.
699-37-E1	ALL	Total depth tagged at 168 ft in 2008. Nearby well 699-37-E1 screened to 98 ft. Concentrations of tritium more than one order of magnitude lower in 699-37-E1 compared to 37-E4.
699-38-68A	Chromium	Exclude for chromium only. Elevated chromium caused by screen corrosion - confirmed by camera survey
699-40-36	ALL	Concentrations of nitate approximately 1 order of magnitude less than nearby water table wells 699-39-39. Well completed 95 ft below water table.
699-41-35	ALL	Concentrations of nitate approximately 1 order of magnitude less than nearby water table wells 699-39-39. Well completed 85 ft below water table.
699-41-40	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-37	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-39A	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-39B	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-42-40C	ALL	Well screened in Basalt
699-42-42B	ALL	Per DOE/RL-2008-59 Rev. 0 figure ES-2 well screened in confined aquifer
699-43-41G	ALL	Well screened in Basalt
699-49-55B	ALL	Well screened in Basalt
699-49-57B	ALL	Well screened in Basalt
699-4-E16	ALL	Well screen interval uncertain and well status uncertain. Well status says well decommissioned in 2007 but sample collected in 2009
699-50-45	ALL	Well screened in Basalt

Well Name	COI	Reason To Exclude
699-50-53B	ALL	Well screened in Basalt
699-52-46A	ALL	Well screened in Basalt
699-52-55B	ALL	Well screened in Basalt
699-53-55A	ALL	Well screened in Basalt
699-54-34	ALL	Well screened in Basalt
699-54-57	ALL	Well screened in Basalt
699-56-43	ALL	Well screened in Basalt
699-56-53	ALL	Well screened in Basalt
699-66-91	ALL	Well screened in Basalt
699-97-43C	ALL	Well screened in the RUM
699-97-45B	ALL	Well screened in the RUM
699-97-48C	ALL	Well screened in the RUM
699-S11-E12AP	ALL	Well screened in basalt
699-S22-E9B	ALL	Well completed in lower unconfined aquifer. Constituent results not considered representative to define plume extents
699-S22-E9C	ALL	Well screened in basalt
699-S2-34B	ALL	Well completed into basalt to a depth of 1941 ft below ground surface per WIDL.
699-S24-19P	ALL	Within basalt aquifer system per well construction documentation. Well 699-S24-19Q at same location screened within unconfined aquifer.
699-S27-E9B	ALL	Well completed in lower unconfined aquifer. Constituent results less than nearby unconfined water table well 699-S27-E9A
699-S27-E9C	ALL	Well screened in basalt
699-S29-E16B	ALL	Well completed in lower unconfined aquifer. Constituent results less than nearby unconfined water table well 699-S29-E16A
699-S29-E16C	ALL	Well screened in confined aquifer

Well Name	COI	Reason To Exclude
699-S31-1P	ALL	Screened in basalt per PNNL-13021. Well 699-S31-1 at same location screened within unconfined aquifer
699-S31-E10E	ALL	Well screened in middle unconfined aquifer. Sample results less than nearby upper unconfined aquifer wells 699-S31-E10A and 699-S31-E10C
699-S32-E8	ALL	Well screened in middle unconfined aquifer. Sample results less than nearby upper unconfined aquifer well 699-S31-E8A
699-S38-E12B	ALL	Well screened deeper in the unconfined aquifer and decommissioned in 2007. More recent sampling results for some constituents available from nearby water table well 699-S38-E12A.
699-S41-E13C	ALL	Well screened deeper in the unconfined aquifer. Constituent results less than nearby water tabel well 699-S41-E13C
699-S5-E2	ALL	Well completed in lower unconfined aquifer. Only one sample collected (in 2010). Constituent results less than nearby unconfined water table well 699-S6-E4A
C8205	ALL	Drilled as a Grounding Well. Groundwater samples collected during drilling not considered representative of current groundwater conditions
C8218	ALL	Temporary direct push borehole for 600-127 Waste Site to 3.2 feet bgs. Groundwater sample results not considered representative
C8219	ALL	Temporary direct push borehole for 600-127 Waste Site to 2.3 feet bgs. Groundwater sample results not considered representative
C8220	ALL	Temporary direct push borehole for 600-127 Waste Site to 5.3 feet bgs. Groundwater sample results not considered representative
C8221	ALL	Temporary direct push borehole for 600-127 Waste Site to 4 feet bgs. Groundwater sample results not considered representative
C8222	ALL	Temporary direct push borehole for 600-127 Waste Site to 4 feet bgs. Groundwater sample results not considered representative
C8852	ALL	Aquifer tube samples affected by short-circuiting of river water
C8856	ALL	Aquifer tube samples affected by short-circuiting of river water
699-10-3A	Nitrate;Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.
699-12-2C	Nitrate;Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.
699-12-4D	Nitrate;Tritium	Well associated with 618-11 Burial Ground source and not included in 200-PO.

Well Name	COI	Reason To Exclude
699-13-0A	Nitrate;Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.
699-13-1E	Nitrate;Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.
699-13-2D	Nitrate;Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.
699-13-3A	Nitrate;Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.
699-16-E3A	Nitrate;Tritium	Well associated with 618-11 Burial Ground source (300-FF-5) and not included in 200-PO.
299-W22-80	ALL	Little water available for sampling in well after 2004. Results after 2004 not considered representative of current plume conditions.
299-W23-15	ALL	Little water available for sampling in well after 2004. Results after 2004 not considered representative of current plume conditions.
299-W19-34A	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Well screened 80 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.
299-W19-34B	Carbon-14;Cyanide;Hexavalent Chromium;Chromium;Iodine-129;Nitrate;Strontium-90;Technetium-99;Total petroleum hydrocarbons - diesel range;Tritium;Uranium	Include CCl4 results. Well screened lower in unconfined aquifer. Constituent results less than adjacent well 299-W19-34A.
699-24-1R	ALL	Well is screened deep in the unconfined aquifer just above basalt.
699-28-40P	ALL	Well is screened deep in the unconfined aquifer. Concentrations in shallow adjacent well 699-28-40 are higher than those detected in 28-40P.
199-N-32	Strontium-90	100-NR-2 plume maps - Strontium -90: Post data for well N-32 but do not use the Sr-90 value in the mapping.
C6263	Strontium-90	used only for plume around C7934. (from CY2012 maps)
C6264	Strontium-90	used only for plume around C7934. (from CY2012 maps)
C6265	Strontium-90	used only for plume around C7934. (from CY2012 maps)
C6317	Strontium-90	used only for plume around C7934. (from CY2012 maps)

Well Name	COI	Reason To Exclude
C6318	Strontium-90	used only for plume around C7934. (from CY2012 maps)
C6319	Strontium-90	used only for plume around C7934. (from CY2012 maps)
C7934	Strontium-90	used only for plume around C7934. (from CY2012 maps)
C7935	Strontium-90	used only for plume around C7934. (from CY2012 maps)
C7936	Strontium-90	used only for plume around C7934. (from CY2012 maps)
199-H1-3	ALL	This well is sampled without a sufficient purge volume to get representative groundwater in the conveyance line prior to sampling.
199-H4-90	ALL	Do not use data from Well 199-H4-90 or 99-H4-91. These are RUM wells.
199-H4-91	ALL	Do not use data from Well 199-H4-90 or 99-H4-91. These are RUM wells.
199-K-195	ALL	Well decommissioned in 2011. Data no longer considered representative of plume conditions.A replacement well 199-K-205 has been drilled
199-K-27	ALL	Well decommissioned in 2008. Data from 2008 no longer considered representative of plume conditions.
199-K-109A	ALL	Well decommissioned in 2008. Data from 2008 no longer considered representative of plume conditions.
299-W15-31A	ALL	Well screened 80 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE.
299-W15-35	ALL	Well screened 180 ft below water table. Concentrations in nearby well water table wells higher for constituents except carbon tetrachloride and TCE
299-W15-34	ALL	Well not sampled since 2007.
199-N-182	ALL	100-NR-2 Strontium-90 N-182: remove from dataset (diffemet screened interval); All applicable GIA/COI
199-B4-18	Hexavalent Chromium;Chromium	100-BC-5 Chromium-Low remove B4-18; 100-BC-5 Chromium Remove B4-18 (for Chromium only)
299-E33-345	ALL	Data not considered representative due to well construction issues.
299-E33-343	ALL	Well last sampled in 2012. Due to change in groundwater flow, results not considered representative of 2013 plume conditions.

Well Name	COI	Reason To Exclude
299-E33-205	ALL	Data not considered representative of current groundwater conditions.
299-E28-2	Technetium-99	used only for plume around 299-E28-24
299-E28-24	Technetium-99	used only for plume around 299-E28-24
299-E28-3	Technetium-99	used only for plume around 299-E28-24
299-E28-5	Technetium-99	used only for plume around 299-E28-24
299-E33-26	Nitrate	Well last sampled in 2012 and based on the southeasterly groundwater flow in the area, the 2012 concentrations are not considered representative of 2013.

Table A- 5: Other Data used in the Interpolation

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
CP02	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP03	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP04	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP05	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP06	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP07	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP08	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP09	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP10	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP11	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP12	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP13	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP14	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP15	0	OTHER DATA	ALL	200-BP-5;200-	2	Geologic Control to represent boundary where basalt is

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				PO-1		present above water table
CP16	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP17	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP18	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP19	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP20	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP21	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP22	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP23	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP24	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP26	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP27	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP28	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP29	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP30	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
CP31	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP32	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP33	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP34	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP35	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
CP36	0	OTHER DATA	ALL	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water table
199-K-106A MIG	39532	OTHER DATA	Carbon-14	100-KR-4;100-NR-2	3	Migrated Data
199-K-121A	14.7	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	14.7	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	14.7	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-128	14.7	2013	Carbon-14	100-KR-4	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	58.8	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	58.8	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	640.5	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	58.8	2013	Carbon-14	100-KR-4;100-	1	Average 2013 P&T Effluent concentration for 100-KX

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				NR-2		P&T System
199-K-160	58.8	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	58.8	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-169	58.8	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	58.8	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	58.8	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-174	640.5	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	640.5	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-179	14.7	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	58.8	2013	Carbon-14	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-30 MIG	22948	OTHER DATA	Carbon-14	100-KR-4	3	Migrated Data
C14 2-West	3761.82	OTHER DATA	Carbon-14	100-KR-4	3	Interpolated Data
299-W22-20	381	2002	Chromium	200-ZP-1;200-UP-1	1	Result from 1/28/2002 sampling event. Sampling events after 1/28/2002 not considered representative of aquifer concentrations.
699-33-56	72	2008	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	Result from most recent sampling event on 10/31/2008.
699-34-58B	70.6	2013	Chromium	200-BP-5;200-PO-1;200-ZP-	1	US Ecology MW-9. 2013 annual average value

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				1;200-UP-1		
699-35-57	110	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-3. 2013 annual average value
699-35-58	71.9	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-5. 2013 annual average value
699-35-59	63.3	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-13. 2013 annual average value
699-36-58A	46.9	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-10. 2013 annual average value
699-36-58B	51	2013	Chromium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-8. 2013 annual average value
CP_27	0	OTHER DATA	Chromium	200-ZP-1;200-UP-1	3	Location and concentration added based on historical knowledge of source area and westerly upgradient inferred western extent of plume.
CP44	0	OTHER DATA	Chromium	200-ZP-1;200-UP-1	3	Location and concentration added based on historical knowledge of source area and westerly upgradient inferred western extent of plume.
199-B4-16	9.5	2013	Hexavalent Chromium	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-11	36.5	2013	Hexavalent Chromium	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-13	4.7	2013	Hexavalent Chromium	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-14	2.8	2013	Hexavalent Chromium	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-9	12.1	2013	Hexavalent	100-BC-5;100-	1	2013 characterization maximum in upper portion of

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
			Chromium	BC-5_LO		aquifer
199-D2-10	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D2-12	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-128	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-129	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-42	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-44	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-1	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-	1	Average 2013 P&T Effluent concentration for 100-DX P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				3-H_LO		
199-D6-2	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-4	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-5	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-55	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-93	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-94	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-99	1.9	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-	1	Average 2013 P&T Effluent concentration for 100-DX P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				3-H_LO		
199-H1-20	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H1-21	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-25	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-26	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-27	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-17	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-18	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				3-H_LO		
199-H4-71	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-72	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-73	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-74	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-78	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-79	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-3-H_LO	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H6-2	0.36	2013	Hexavalent Chromium	100-HR-3-D_HI;100-HR-3-H_HI;100-HR-3-D_LO;100-HR-	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				3-H_LO		
199-K-121A	0.58	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	0.58	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	0.58	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-128	0.58	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	0.56	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	0.56	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	1.1	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	0.56	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	0.56	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	0.56	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
199-K-169	0.56	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	0.56	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	0.56	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-174	1.1	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	1.1	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-179	0.58	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	0.56	2013	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-30	7.3	2010	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO;100-NR-2	1	Result from last sampling event on 12/2/2010. Well decommissioned in January 2011.
299-W10-35	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	5.4	2013	Hexavalent	200-ZP-1;200-	1	Average 2013 P&T Effluent concentration for 200-ZP1

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
			Chromium	UP-1		P&T System
299-W15-29	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-13	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	5.4	2013	Hexavalent Chromium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
CP41	0	OTHER DATA	Hexavalent Chromium	100-BC-5;100-BC-5_LO	2	Geologic Control. Value selected to represent inferred paleochannel with expected low concentration.
CP42	0	OTHER DATA	Hexavalent Chromium	100-BC-5;100-BC-5_LO	2	Geologic Control. Value selected to represent inferred paleochannel with expected low concentration.
299-W10-35	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W22-79	2.18	2005	Iodine-129	200-ZP-1;200-UP-1	1	Result from most recent sampling event on 12/21/2005. Result was a non-detect but based on data processing

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
						rules values for I-129 were used at the non-detect value.
299-W22-9	30.1	2005	Iodine-129	200-ZP-1;200-UP-1	1	Result from most recent sampling event on 12/7/2005.
299-W6-13	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
699-35-70	37.1	2008	Iodine-129	200-ZP-1;200-UP-1	1	Result from most recent sampling event on 3/16/2008.
699-36-67	15.4	2007	Iodine-129	200-ZP-1;200-UP-1	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.
699-37-68	3.07	2007	Iodine-129	200-ZP-1;200-UP-1	1	Average of 2007 sampling results (most recent available for well). Well decommissioned in January 2008.
CP_14	1.5	OTHER DATA	Iodine-129	200-BP-5;200-PO-1	3	Inferred location of high hydraulic conductivity channel. Concentration based on nearby wells within channel area.
CP37	0	OTHER DATA	Iodine-129	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water
CP38	0	OTHER DATA	Iodine-129	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water
CP39	0	OTHER DATA	Iodine-129	200-BP-5;200-PO-1	2	Geologic Control to represent boundary where basalt is present above water
199-D2-10	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D2-12	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-128	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
199-D5-129	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-42	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-44	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-1	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-2	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-4	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-5	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-55	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-93	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-94	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-99	13125	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-H1-20	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H1-21	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-25	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-26	12533	2013	Nitrate	100-HR-3-	1	Average 2013 P&T Effluent concentration for the 100-

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				D;100-HR-3-H		HX P&T System
199-H3-27	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-17	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-18	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-71	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-72	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-73	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-74	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-78	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-79	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H6-2	12533	2013	Nitrate	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-K-121A	5239	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	5239	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	5239	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-128	5239	2013	Nitrate	100-KR-4	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
199-K-143	12000	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	12000	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	23350	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	12000	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	12000	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	12000	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-169	12000	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	12000	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	12000	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-174	23350	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	23350	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-179	5239	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	12000	2013	Nitrate	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
299-E34-7	109000	2005	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	Result from last sampling event on 4/07/2005. Well sampling dry as of 2008.

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
299-W10-35	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W22-20	104000	2007	Nitrate	200-ZP-1;200-UP-1	1	Average of 2007 sampling results Well last sampled in 2009. Values from 2008 and 2009 sampling events not considered representative of aquifer concentrations.
299-W6-14	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
699-34-58B	17161	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-9. 2013 annual average value
699-35-57	19536	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-3. 2013 annual average value
699-35-58	16730	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-5. 2013 annual average value
699-35-59	18181	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-13. 2013 annual average value
699-36-58A	17161	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-10. 2013 annual average value
699-36-58B	16266	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-8. 2013 annual average value

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
699-50-53A	455960	1992	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	Result from 4/14/1992 sampling event. Water in well after 1992 no longer considered representative of unconfined aquifer.
74-D	6680	2014	Nitrate	100-FR-3	1	January 2014 result. The 2013 sampling event of several 100-F aquifer tubes was delayed.
75-D	29500	2014	Nitrate	100-FR-3	1	January 2014 result. The 2013 sampling event of several 100-F aquifer tubes was delayed.
CP_15	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_16	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_17	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_18	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_19	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_20	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-	3	Soil sampling conducted at 216-A-25 in 1999 (BHI-?01367). Relatively high nitrate concentrations detected

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				1;200-UP-1		in soil samples within 216-A-29 including near well 699-53-47A where nitrate concentrations have exceeded 45 mg/L since 1997.
CP_22	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_23	46900	OTHER DATA	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	3	Soil sampling conducted at 216-A-25 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.
CP_28	0	OTHER DATA	Nitrate	300-F-BG	3	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_29	0	OTHER DATA	Nitrate	200-BP-5;200-PO-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP40	0	OTHER DATA	Nitrate	200-ZP-1;200-UP-1	3	Geologic control to represent boundary where basalt is present above water table
199-B4-18	2.6	2013	Strontium-90	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-11	1.6	2013	Strontium-90	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-13	1.7	2013	Strontium-90	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-14	2.3	2013	Strontium-90	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-9	0	2013	Strontium-90	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-D2-10	1.1	2013	Strontium-	100-HR-3-	1	Average 2013 P&T Effluent concentration for 100-DX

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
			90	D;100-HR-3-H		P&T System
199-D2-12	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-128	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-129	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-42	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-44	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-1	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-2	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-4	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-5	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-55	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-93	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-94	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-99	1.1	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-H1-20	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
199-H1-21	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-25	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-26	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-27	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-17	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-18	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-71	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-72	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-73	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-74	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-78	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-79	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H6-2	1.7	2013	Strontium-90	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-K-107A MIG	49.2	OTHER DATA	Strontium-90	100-KR-4;100-NR-2	3	Migrated Data
199-K-109A MIG	13195	OTHER DATA	Strontium-	100-KR-4;100-	3	Migrated Data

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
			90	NR-2		
199-K-121A	2.2	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	2.2	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	2.2	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-128	2.2	2013	Strontium-90	100-KR-4	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	4.9	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	4.9	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	1.5	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	4.9	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	4.9	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-164	4.9	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-169	4.9	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	4.9	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	4.9	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-174	1.5	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
199-K-175	1.5	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-179	2.2	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	4.9	2013	Strontium-90	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-30	0	2010	Strontium-90	100-KR-4;100-NR-2	1	Result from last sampling event on 12/2/2010. Well decommissioned in January 2011. (Data point became available after original data pull)
CP_15	180	OTHER DATA	Strontium-90	200-BP-5;200-PO-1	3	Soil sampling conducted at 216-A-25 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.
CP_16	180	OTHER DATA	Strontium-90	200-BP-5;200-PO-1	3	Soil sampling conducted at 216-A-25 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.
CP_17	180	OTHER DATA	Strontium-90	200-BP-5;200-PO-1	3	Soil sampling conducted at 216-A-25 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.
CP_18	180	OTHER DATA	Strontium-90	200-BP-5;200-PO-1	3	Soil sampling conducted at 216-A-25 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.
CP_19	180	OTHER DATA	Strontium-90	200-BP-5;200-PO-1	3	Soil sampling conducted at 216-A-25 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

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
						have exceeded 8 pCi/L since the early 1980s.
CP_20	180	OTHER DATA	Strontium-90	200-BP-5;200-PO-1	3	Soil sampling conducted at 216-A-25 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.
CP_22	180	OTHER DATA	Strontium-90	200-BP-5;200-PO-1	3	Soil sampling conducted at 216-A-25 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.
CP_23	180	OTHER DATA	Strontium-90	200-BP-5;200-PO-1	3	Soil sampling conducted at 216-A-25 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.
Sr90 2-West	14.21	OTHER DATA	Strontium-90	100-KR-4	3	Interpolated Data
199-K-158	4.8	2013	Trichloroethene	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-174	4.8	2013	Trichloroethene	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	4.8	2013	Trichloroethene	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
299-W10-35	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	0	2013	Trichloroeth	200-ZP-1;200-	1	Average 2013 P&T Effluent concentration for 200-ZP1

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
			ene	UP-1		P&T System
299-W6-13	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-35	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-13	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
699-50-53A	14000	1992	Technetium-99	200-BP-5;200-PO-1	1	Result from 4/14/1992 sampling event. Water in well after 1992 no longer considered representative of unconfined aquifer.
CP_24	1000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area.
CP_25	1000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area
CP_26	1000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Location and concentration based on evaluation of historical groundwater flow and contaminant migration in the southeasterly direction in this area
CP_27	0	OTHER DATA	Technetium-	200-ZP-1;200-	3	Location and concentration added based on historical

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
			99	UP-1		knowledge of source area and westerly upgradient inferred western extent of plume.
199-B4-16	3200	2013	Tritium	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B4-18	12100	2013	Tritium	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-11	12000	2013	Tritium	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-13	6400	2013	Tritium	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-14	1800	2013	Tritium	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-B5-9	8500	2013	Tritium	100-BC-5;100-BC-5_LO	1	2013 characterization maximum in upper portion of aquifer
199-D2-10	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D2-12	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-128	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-129	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-42	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D5-44	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-1	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D6-2	2150	2013	Tritium	100-HR-3-	1	Average 2013 P&T Effluent concentration for 100-DX

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				D;100-HR-3-H		P&T System
199-D7-4	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D7-5	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-55	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-93	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-94	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-D8-99	2150	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for 100-DX P&T System
199-H1-20	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H1-21	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-25	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-26	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H3-27	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-17	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-18	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-71	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
199-H4-72	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-73	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-74	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-78	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H4-79	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-H6-2	1027	2013	Tritium	100-HR-3-D;100-HR-3-H	1	Average 2013 P&T Effluent concentration for the 100-HX P&T System
199-K-121A	9250	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-122A	9250	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-123A	9250	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-128	9250	2013	Tritium	100-KR-4	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-143	1700	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-156	1700	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-158	1550	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-159	1700	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-160	1700	2013	Tritium	100-KR-4;100-	1	Average 2013 P&T Effluent concentration for 100-KX

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				NR-2		P&T System
199-K-164	1700	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-169	1700	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-170	1700	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-172	1700	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
199-K-174	1550	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-175	1550	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KW P&T System
199-K-179	9250	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KR-4 P&T System
199-K-180	1700	2013	Tritium	100-KR-4;100-NR-2	1	Average 2013 P&T Effluent concentration for 100-KX P&T System
299-E25-25	22000	2008	Tritium	200-BP-5;200-PO-1	1	Well last sampled in 2008 due to obstructed access from Vitrification Plant trailers. Value listed is from most recent smapling event (2008).
299-E25-39	23000	2008	Tritium	200-BP-5;200-PO-1	1	Well last sampled in 2008 due to obstructed access from Vitrification Plant trailers. Value listed is from most recent sampling event (2008).
299-W10-35	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W10-36	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
299-W15-227	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W22-9	650000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	1	2005 sample result from a now dry well; decayed for 8 years: 1 020 000 pCi/L*exp(-ln(2)/12.3*7); needed to represent the high concentration portion of the plume
299-W23-9	107000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	1	2007 sample result from a now dry well; decayed for 6 years: 150 000 pCi/L * exp (-ln(2)/12.3*5); needed to represent the plume at its source (216-S-25 Crib).
299-W6-13	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
699-30-66	10800	2004	Tritium	200-ZP-1;200-UP-1	1	2004 result from a sample collected from the uppermost part of the aquifer during drilling; decayed for 9 years: 18 000 pCi/L*exp(-ln(2)/12.3*8); needed to bound the southern extent of the plume
699-34-58	3286.5	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-9A. 2013 annual average value
699-34-58B	3152	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-9. 2013 annual average value
699-35-57	2061	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-3. 2013 annual average value
699-35-58	2299	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-5. 2013 annual average value
699-35-59	4874	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-13. 2013 annual average value

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
699-35-70	181000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	1	2008 sample result from a now dry well; decayed for 5 years: 240 000 pCi/L * exp (-ln(2)/12.3*4); needed to represent the high concentration portion of the plume
699-36-58A	3399.75	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-10. 2013 annual average value
699-36-58B	2312.25	2013	Tritium	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	US Ecology MW-8. 2013 annual average value
CP_14	23000	OTHER DATA	Tritium	200-BP-5;200-PO-1	3	Inferred location of high hydraulic conductivity channel. Concentration based on nearby wells within channel area.
CP_28_2013	1000	OTHER DATA	Tritium	300-F-BG	3	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.
ENW-MW-10	362.25	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-11	936.75	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-12	671.75	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-13	11425	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-14	309.75	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-3	1277.5	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-5	16375	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-6	6017.5	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-7	863.6667	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-8	1210.25	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
ENW-MW-9	251.75	2012	Tritium	300-F-BG	1	2012 average from data collected by Energy Northwest
299-W10-35	1.1	2013	Uranium	200-ZP-1;200-	1	Average 2013 P&T Effluent concentration for 200-ZP1

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				UP-1		P&T System
299-W10-36	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-226	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-227	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-29	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W19-18	374	2011	Uranium	200-ZP-1;200-UP-1	1	Result from 3/16/2011. Results from 2012 were rejected after review of data after 2012 data set was finalized.
299-W6-13	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-14	1.1	2013	Uranium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
699-38-70	42.2	2007	Uranium	200-ZP-1;200-UP-1	1	Result from most recent sampling event on 7/2//2007
CP43	0	OTHER DATA	Uranium	200-ZP-1;200-UP-1	3	Location and concentration added based on historical knowledge of source area and westerly upgradient inferred extent of plume.
699-15-15B	197	2010	Tritium	200-BP-5;200-	1	Well last sampled in 2010. Value is average of 3 non-

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				PO-1		detect results from 2010).
699-15-15B	0.187	2010	Iodine-129	200-BP-5;200-PO-1	1	Well last sampled in 2010. Average of 3 STD_MDA for non-detect results from 2010.
699-15-15B	28975	2010	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	Well last sampled in 2010. Value is average of four 2010 sampling results.
299-W15-29	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	0.2	2013	Iodine-129	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-29	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W6-13	37022	2013	Nitrate	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-29	55.6	2013	Technetium-	200-ZP-1;200-	1	Average 2013 P&T Effluent concentration for 200-ZP1

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
			99	UP-1		P&T System
299-W18-36	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	55.6	2013	Technetium-99	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-29	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	0	2013	Trichloroethene	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W15-29	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-36	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-37	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-38	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System
299-W18-39	3162	2013	Tritium	200-ZP-1;200-UP-1	1	Average 2013 P&T Effluent concentration for 200-ZP1 P&T System

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
199-K-202	1.5	2013	Strontium-90	100-KR-4	1	Chuck Miller questioned the value of 10 pCi/L from K-202. Use the lowest MDA available for the data (in this instance 1.5).
199-B4-16	1.3	2013	Strontium-90	100-BC-5;100-BC-5_LO	1	2013 MDA from characterization data (all characterization values non-detect)
C8843	1	2013	Strontium-90	100-BC-5;100-BC-5_LO	1	Value based on non-detect result from re-analysis of original sample conducted in Feb 2014
CP_2013_1	95	OTHER DATA	Chromium	200-ZP-1;200-UP-1	3	Value and location based on inferred connection of the plume between wells W23-20 and W22-26.
CP_2013_2	34	OTHER DATA	Iodine-129	200-ZP-1;200-UP-1	3	Value and location based on inferred connection of the plume between wells W22-9 and W35-70.
CP_2013_3	100000	OTHER DATA	Nitrate	200-ZP-1;200-UP-1	3	Add control point between wells W22-90 and W22-26 to connect the plume. Vary concentration value appropriately.
CP_2013_4	40000	OTHER DATA	Nitrate	200-ZP-1;200-UP-1	3	Add control point at U-Plant at ~40mg/L
CP_2013_5	3000	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	Value and location based on inferred connection of plume between wells W22-90 and W22-26
CP_2013_6	300000	OTHER DATA	Tritium	200-ZP-1;200-UP-1	3	Value and location based on inferred connection of the plume between wells 299-W22-9 and 699-36-66B.
199-D8-101	45560	OTHER DATA	Nitrate	100-HR-3-D;100-HR-3-H	1	Well measured only in fall. Higher concentrations are typically measured in the summer in this well (not fall). Value is three year average from 2011, 2012, and 2013.
199-K-205	3820	2014	Hexavalent Chromium	100-KR-4_HI;100-KR-4_LO	1	Hexavalent chromium 199-K-205 use a value 3820 ug/L (1/9/2014 sample result)
699-1-18	4633.333	2010	Tritium	200-PO-1	1	Result average of 3 detections from last year sampled in 2010.
199-F7-2	0	2010	Strontium-90	100-FR-3	1	Well not sampled since 2010. Strontium-90 never detected in well. Value assigned based on inferred

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
						extent of strontium-90 plume.
199-F5-48	0	2010	Strontium-90	100-FR-3	1	Well not sampled since 2010. Strontium-90 never detected in well. Value assigned based on inferred extent of strontium-90 plume.
199-F8-2	0	2010	Strontium-90	100-FR-3	1	Well not sampled since 2010. Strontium-90 never detected in well. Value assigned based on inferred extent of strontium-90 plume.
CP_2013_7	6.5	OTHER DATA	Iodine-129	200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_8	160000	OTHER DATA	Nitrate	200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction
199-K-205	4.9	2014	Trichloroethene	100-KR-4_HI;100-KR-4_LO	1	100-KR-4 TCE Use K-205 from Jan 2014 (4.9 ug/L)
CP_2013_9	75	OTHER DATA	Chromium	200-BP-5;200-PO-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_10	75	OTHER DATA	Chromium	200-BP-5;200-PO-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_11	170	OTHER DATA	Cyanide	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_12	425	OTHER DATA	Cyanide	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
299-E33-18	220	OTHER DATA	Cyanide	200-BP-5;200-PO-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_13	45000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_14	450000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_15	450000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
CP_2013_16	8	OTHER DATA	Strontium-90	200-BP-5;200-PO-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_17	0	OTHER DATA	Strontium-90	200-BP-5;200-PO-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
699-43-67B	11.1	OTHER DATA	Hexavalent Chromium	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.
699-43-67B	0.254	OTHER DATA	Iodine-129	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.
699-43-67B	70800	OTHER DATA	Nitrate	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.
699-43-67B	1.6	OTHER DATA	Trichloroethene	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.
699-43-67B	73.6	OTHER DATA	Technetium-99	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.
699-43-67B	220	OTHER DATA	Tritium	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.
699-43-67B	8.61	OTHER DATA	Uranium	200-ZP-1;200-UP-1	3	No data available for well 699-43-67B. Value is 2010 maximum characterization result from adjacent well 699-43-67.
CP_2013_18	0	OTHER DATA	Chromium	200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_19	48	OTHER DATA	Chromium	200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_20	900	OTHER DATA	Technetium-99	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction..

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
CP_2013_21	3000	OTHER DATA	Technetium-99	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction..
CP_2013_22	900	OTHER DATA	Technetium-99	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction..
CP_2013_23	17000	OTHER DATA	Technetium-99	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction..
CP_2013_24	2000	OTHER DATA	Technetium-99	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction..
CP_2013_25	900	OTHER DATA	Technetium-99	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction..
CP_2013_26	5000	OTHER DATA	Technetium-99	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction..
CP_2013_27	20000	OTHER DATA	Tritium	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_28	30000	OTHER DATA	Tritium	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_29	21000	OTHER DATA	Tritium	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_30	22000	OTHER DATA	Tritium	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_31	25000	OTHER DATA	Tritium	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_32	25000	OTHER DATA	Tritium	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_33	21000	OTHER DATA	Tritium	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_34	650	OTHER DATA	Uranium	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
299-E33-205	20000	OTHER DATA	Tritium	200-BP-5;200-	3	Well last sampled in 2012. Concentration based on

NAME	MAPPING VALUE	YEAR	COI	sspaMAPOU	SOFT DATA TYPE	REASON
				PO-1		2013 interpretation of plume extent based on groundwater flow direction.
299-E33-41	20000	OTHER DATA	Tritium	200-BP-5;200-PO-1	3	Well last sampled in 2012. Concentration based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_35	15	OTHER DATA	Chromium	100-HR-3-D_HI	3	Control Point: Concentration based on inferred plume extent during high river stage.
CP_2013_35	20	OTHER DATA	Chromium	100-HR-3-D_LO	3	Control Point: Concentration based on inferred plume extent during low river stage.
CP_2013_36	2500	OTHER DATA	Technetium-99	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_37	2500	OTHER DATA	Technetium-99	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_38	2500	OTHER DATA	Technetium-99	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
299-E34-9	452000	2013	Nitrate	200-BP-5;200-PO-1;200-ZP-1;200-UP-1	1	Considering upward trend in well, maximum value from 2013 used.
CP_2013_39	620000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_40	500000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_41	500000	OTHER DATA	Nitrate	200-BP-5;200-ZP-1;200-UP-1	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_42	200	OTHER DATA	Cyanide	200-BP-5	3	Location based on 2013 interpretation of plume extent based on groundwater flow direction.
CP_2013_43	70	OTHER DATA	Total petroleum hydrocarbons - diesel range	100-NR-2	3	Control point for TPH, based on known source and groundwater flow direction toward river.

Table A- 6: Data Selection Parameters

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
100-BC-5	Hexavalent Chromium; Chromium	Hexavalent Chromium; Chromium	3/26/2013 - 8/31/2013	9/1/2013 - 12/31/2013	y	y	MEAN VAL RPT	MEAN VAL RPT	MAX VAL RPT
100-BC-5	Hexavalent Chromium; Chromium				y	y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-BC-5	Nitrate	Nitrate	3/26/2013 - 8/31/2013	9/1/2013 - 12/31/2013		y	MEAN VAL RPT	MEAN VAL RPT	MAX VAL RPT
100-BC-5	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-BC-5	Strontium-90	Strontium-90	3/26/2013 - 8/31/2013	9/1/2013 - 12/31/2013		y	MEAN VALOR ND MDA	MEAN VALOR ND MDA	MAX VALOR ND MDA
100-BC-5	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-BC-5	Tritium	Tritium	3/26/2013 - 8/31/2013	9/1/2013 - 12/31/2013		y	MEAN VALOR ND MDA	MEAN VALOR ND MDA	MAX VALOR ND MDA
100-BC-5	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-FR-3	Hexavalent Chromium; Chromium				y	y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
100-FR-3	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-FR-3	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-FR-3	Trichloro-ethene					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-HR-3	Hexavalent Chromium; Chromium	Hexavalent Chromium; Chromium	3/26/2013 - 8/31/2013	9/1/2013 - 2/18/2014	y	y	MEAN VAL RPT	MEAN VAL RPT	MAX VAL RPT
100-HR-3	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-HR-3	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-HR-3	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-KR-4	Carbon-14					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-KR-4	Hexavalent Chromium; Chromium	Hexavalent Chromium; Chromium	3/26/2013 - 8/31/2013	9/1/2013 - 12/31/2013	y	y	MEAN VAL RPT	MEAN VAL RPT	MAX VAL RPT

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
100-KR-4	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-KR-4	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-KR-4	Trichloro-ethene					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-KR-4	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-NR_C7934	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-NR-2	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
100-NR-2	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
100-NR-2	Total petroleum hydro-carbons - diesel range					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
100-NR-2	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-BP-5	Cyanide					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-BP-5	Hexavalent Chromium; Chromium				y	y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-BP-5	Iodine-129					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-BP-5	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-BP-5	Strontium-90					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-BP-5	Technetium-99					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-BP_E28_24	Technetium-99					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-BP-5	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
200-BP-5	Uranium					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-PO-1	Iodine-129					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-PO-1	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-PO-1	Technetium-99					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-PO-1	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-PO-1	Uranium					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-UP-1	Hexavalent Chromium; Chromium				y	y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-UP-1	Iodine-129					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-UP-1	Technetium-99					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
200-UP-1	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-UP-1	Uranium					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-ZP-1	Hexavalent Chromium; Chromium				y	y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-ZP-1	Iodine-129					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-ZP-1	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
200-ZP-1	Technetium-99					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-ZP-1	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
200-ZP-1	Trichloroethene					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
300-F-BG	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT

OU	COI	DORS	HIGH RIVER STAGE	LOW RIVER STAGE	COMB CHROM	MAX AQ	CT	CTAQ	CTC
300-F-BG	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
300-FF-5	Nitrate					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
300-FF-5	Trichloroethene					y	MEAN VAL RPT	MAX VAL RPT	MAX VAL RPT
300-FF-5	Tritium					y	MEAN VALOR ND MDA	MAX VALOR ND MDA	MAX VALOR ND MDA
300-FF-5	Uranium	Uranium	5/1/2013 - 7/31/2013	11/1/2013 - 2/18/2014		y	MEAN VAL RPT	MEAN VAL RPT	MAX VAL RPT

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```
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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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564612.184,145283.275,7.2,04 D,_2013,ChromComb,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 141,100-BC-5
564908.31,145332.29,24.9,05-M,_2013,ChromComb,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 139,100-BC-5
565293.927,145412.052,40.7,06-M,_2013,ChromComb,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 133,100-BC-5
564086.52,145264.56,8.71666666666667,199-B2-13,_2013,ChromComb,GROUNDWATER WELL,R X,3,3,MEAN_VAL_RPT,100-BC-5
565095.99,145232.26,23.675,199-B2-14,_2013,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-BC 5
565561.455,145342.08,31.325,199-B3-1,_2013,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-BC-5
565899.57,145369.04,19.76,199-B3-46,_2013,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-BC 5
565388.66,145368.95,58.8727272727273,199-B3-47,_2013,ChromComb,GROUNDWATER WELL,R-X,11,11,MEAN_VAL_RPT,100-BC-5
566028.9,145058.21,23.45,199-B3-50,_2013,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-BC-5
565289.807,144791.53,36.7,199-B4-1,_2013,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-BC-5
564969.25,144313.98,36.547619047619,199-B4-14,_2013,ChromComb,GROUNDWATER WELL,R-X,21,21,MEAN_VAL_RPT,100 BC-5
566132,144480,9.5,199-B4-16,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565377.08,144479.705,41.0333333333333,199-B4-4,_2013,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
565398.86,144382.847,55.7111111111111,199-B4-7,_2013,ChromComb,GROUNDWATER WELL,R X,9,9,MEAN_VAL_RPT,100-BC-5
565578.45,144653.79,60.6333333333333,199-B4-8,_2013,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
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562367.221,142612.351,5,699 63-90,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-BC-5
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561839.416,145359.751,7.2,699 72-92,_2013,ChromComb,INDEPENDENT PIEZOMETER,R-X,1,1,MEAN_VAL_RPT,100-BC-5
564308.894,145379.938,5.8,AT-B-1-M,_2013,ChromComb,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 137,100 BC-5
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566438.064,145746.81,6.5,AT B 5-D,_2013,ChromComb,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 126,100-BC-5
566143.324,145680.047,10.3,AT-B-7-M,_2013,ChromComb,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 127,100-BC-5
564746.34,145303.78,6.9,C6228,_2013,ChromComb,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 140,100-BC-5
565423.77,145459.99,23.2,C6230,_2013,ChromComb,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 132,100-BC-5
565560.41,145495.82,22.2,C6234,_2013,ChromComb,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 130,100-BC-5
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565008.6,145402,26,C8847,_2013,ChromComb,AQUIFER TUBE,R-X,70,70,MAX_VAL_RPT + MAX OF GROUP 174,100-BC-5
565127,145425,33,C8848,_2013,ChromComb,AQUIFER TUBE,R-X,52,52,MAX_VAL_RPT + MAX OF GROUP 175,100-BC-5
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565746,145563,21.4,C8859,_2013,ChromComb,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 181,100-BC-5
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563781,142732,0,CP41,SOFTDATA,ChromComb,NA,NA,NA,NA,SoftData Type 2,
565715,142355,0,CP42,SOFTDATA,ChromComb,NA,NA,NA,NA,SoftData Type 2,
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100-BC-5_ChromComb_LO.dat

```
VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                  \nst, nugget effect
1    0.078    35.0    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  0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
562697.662,146033.078,2,01-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 125,100-BC-5
564077.431,145469.247,2,03-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 131,100-BC-5
564612.184,145283.275,6.25,04-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 141,100-BC-5
564908.31,145332.29,24.3,05-M,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 139,100-BC-5
565293.927,145412.052,39.65,06-M,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 133,100-BC-5
564086.52,145264.56,8.71666666666667,199-B2-13,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
565095.99,145232.26,23.2333333333333,199-B2-14,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
565561.455,145342.08,31.9,199-B3-1,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
565899.57,145369.04,20.8666666666667,199-B3-46,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
565388.66,145368.95,59.45,199-B3-47,_LOW,ChromComb,GROUNDWATER WELL,R-X,10,10,MEAN_VAL_RPT,100-BC-5
566028.9,145058.21,23.5333333333333,199-B3-50,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
565289.807,144791.53,41.8,199-B4-1,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
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564878.149,144764.899,6.25,199-B5-1,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
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564170.23,144520.06,2.8,199-B5-14,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565405.427,144939.695,43.5571428571429,199-B5-2,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-BC-5
566014,143587.69,10.8566666666667,199-B5-8,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
564821.98,144250.05,12.1,199-B5-9,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-BC-5
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565276.43,144054.45,11.9833333333333,199-B8-9,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-BC-5
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565667.36,144046.72,13.7666666666667,199-B9-3,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
562367.221,142612.351,5,699-63-90,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-BC-5
564590.465,143249.092,8.33666666666667,699-65-83,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
557803.348,144206.122,5,699-68-105,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-BC-5
566401.954,145098.605,7.7,699-71-77,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
561839.416,145359.751,7.2,699-72-92,_2013,ChromComb,INDEPENDENT PIEZOMETER,R-X,1,1,MEAN_VAL_RPT,100-BC-5
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564513.954,145329.139,5.5,AT-B-2-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 138,100-BC-5
565128.625,145397.704,28.7,AT-B-3-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 135,100-BC-5
566438.064,145746.81,6.3,AT-B-5-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 126,100-BC-5
566143.324,145680.047,10.3,AT-B-7-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 127,100-BC-5
564746.34,145303.78,6.9,C6228,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 140,100-BC-5
565423.77,145459.99,23.05,C6230,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 132,100-BC-5
565560.41,145495.82,22.2,C6234,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 130,100-BC-5
564994.21,145388.387,19.4,C7719,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 136,100-BC-5
565187.512,145406.642,33.9,C7725,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 134,100-BC-5
565750.811,145555.144,19.4,C7781,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 129,100-BC-5
563551,145732,6.73666666666667,C8840,_LOW,ChromComb,AQUIFER TUBE,R-X,3,2,MEAN_VAL_RPT + MAX OF GROUP 169,100-BC-5
564087,145547,1.61,C8841,_LOW,ChromComb,AQUIFER TUBE,R-X,2,1,MEAN_VAL_RPT + MAX OF GROUP 170,100-BC-5
564600.7,145341.1,2.18333333333333,C8842,_LOW,ChromComb,AQUIFER TUBE,R-X,3,2,MEAN_VAL_RPT + MAX OF GROUP 171,100-BC-5
564753.8,145307.7,8.46066666666667,C8843,_LOW,ChromComb,AQUIFER TUBE,R-X,45,32,MEAN_VAL_RPT + MAX OF GROUP 172,100-BC-5
564904,145380,17.8803921568627,C8844,_LOW,ChromComb,AQUIFER TUBE,R-X,51,51,MEAN_VAL_RPT + MAX OF GROUP 173,100-BC-5
565008.6,145402,19.7814285714286,C8847,_LOW,ChromComb,AQUIFER TUBE,R-X,70,70,MEAN_VAL_RPT + MAX OF GROUP 174,100-BC-5
565127,145425,25.7365384615385,C8848,_LOW,ChromComb,AQUIFER TUBE,R-X,52,52,MEAN_VAL_RPT + MAX OF GROUP 175,100-BC-5
565202.2,145415,27.744,C8851,_LOW,ChromComb,AQUIFER TUBE,R-X,50,50,MEAN_VAL_RPT + MAX OF GROUP 176,100-BC-5
565295,145443,13.85,C8853,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 177,100-BC-5
565441.8,145469,21.2666666666667,C8855,_LOW,ChromComb,AQUIFER TUBE,R-X,48,47,MEAN_VAL_RPT + MAX OF GROUP 178,100-BC-5
565746,145563,20.5,C8859,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 181,100-BC-5
565848.2,145598,17.3,C8860,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 182,100-BC-5
566151.8,145686,17.9,C8861,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 184,100-BC-5
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565715,142355,0,CP42,SOFTDATA,ChromComb,NA,NA,NA,NA,SoftData Type 2,
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100-BC-5_Nitrate.dat

```
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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
562697.662,146033.078,4290,01-M,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 125,100 BC-5
564612.184,145283.275,4090,04-D,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 141,100-BC-5
564908.31,145332.29,8190,05-M,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 139,100-BC-5
565293.927,145412.052,37800,06-M,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 133,100-BC 5
564086.52,145264.56,7530,199-B2-13,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565095.99,145232.26,10700,199-B2-14,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC 5
565561.455,145342.08,23500,199-B3-1,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC 5
565899.57,145369.04,11600,199-B3-46,_2013,Nitrate,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-BC-5
565388.66,145368.95,36850,199-B3-47,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-BC-5
566028.9,145058.21,7390,199-B3-50,_2013,Nitrate,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100 BC-5
565289.807,144791.53,9780,199 B4 1,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
564969.25,144313.98,8263.33333333333,199-B4 14,_2013,Nitrate,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC-5
565377.08,144479.705,9830,199-B4-4,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565398.86,144382.847,9146.66666666667,199 B4-7,_2013,Nitrate,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-BC 5
565578.45,144653.79,9030,199-B4-8,_2013,Nitrate,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-BC-5
564878.149,144764.899,8520,199-B5-1,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-BC-5
565405.427,144939.695,11250,199-B5 2,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-BC-5
566014,143587.69,4780,199-B5-8,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC 5
564498.83,144157.79,8365,199-B8-6,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-BC-5
565276.43,144054.45,6305,199-B8-9,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-BC-5
565534.79,144078.08,8810,199-B9-2,_2013,Nitrate,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-BC-5
565667.36,144046.72,7925,199-B9-3,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-BC-5
562367.221,142612.351,7300,699-63-90,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
564590.465,143249.092,4650,699-65-83,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
557803.348,144206.122,8540,699-68-105,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC 5
566401.954,145098.605,2430,699-71-77,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
561839.416,145359.751,8320,699-72-92,_2013,Nitrate,INDEPENDENT PIEZOMETER,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565130.482,145397.266,7840,AT-B-3-D,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 135,100 BC 5
566438.064,145746.81,13900,AT-B-5-D,_2013,Nitrate,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 126,100-BC-5
566143.324,145680.047,8990,AT-B-7-M,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 127,100-BC-5
563551,145732,5220,C8840,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 169,100-BC-5
564087,145547,4060,C8841,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 170,100 BC-5
564600.7,145341.1,4830,C8842,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 171,100 BC-5
564753.8,145307.7,7350,C8843,_2013,Nitrate,AQUIFER TUBE,R X,1,1,MAX_VAL_RPT + MAX OF GROUP 172,100-BC-5
564904,145380,6730,C8844,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 173,100-BC-5
565008.6,145402,7610,C8847,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 174,100 BC-5
565127,145425,7840,C8848,_2013,Nitrate,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 175,100-BC-5
565202.2,145415,8190,C8851,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 176,100-BC-5
565295,145443,7440,C8853,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 177,100-BC-5
565441.8,145469,11600,C8855,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 178,100-BC 5
565746,145563,11400,C8859,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 181,100-BC-5
565848.2,145598,9470,C8860,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 182,100-BC-5
566151.8,145686,10400,C8861,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 184,100-BC-5
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100-BC-5_Nitrate_LO.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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
562697.662,146033.078,4290,01-M,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 125,100-BC-5
564612.184,145283.275,4090,04-D,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 141,100-BC-5
564908.31,145332.29,8190,05-M,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 139,100-BC-5
565293.927,145412.052,37800,06-M,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 133,100-BC-5
564086.52,145264.56,7530,199-B2-13,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565095.99,145232.26,10700,199-B2-14,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565561.455,145342.08,23500,199-B3-1,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565899.57,145369.04,11200,199-B3-46,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565388.66,145368.95,36850,199-B3-47,_LOW,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-BC-5
566028.9,145058.21,7390,199-B3-50,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565289.807,144791.53,9780,199-B4-1,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
564969.25,144313.98,8390,199-B4-14,_LOW,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-BC-5
565377.08,144479.705,9830,199-B4-4,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565398.86,144382.847,9095,199-B4-7,_LOW,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-BC-5
565578.45,144653.79,9030,199-B4-8,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
564878.149,144764.899,8320,199-B5-1,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565405.427,144939.695,11250,199-B5-2,_LOW,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-BC-5
566014,143587.69,4780,199-B5-8,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
564498.83,144157.79,8320,199-B8-6,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565276.43,144054.45,6305,199-B8-9,_LOW,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-BC-5
565534.79,144078.08,8810,199-B9-2,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565667.36,144046.72,7530,199-B9-3,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
562367.221,142612.351,7300,699-63-90,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
564590.465,143249.092,4650,699-65-83,_LOW,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
557803.348,144206.122,8540,699-68-105,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
566401.954,145098.605,2430,699-71-77,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-BC-5
561839.416,145359.751,8320,699-72-92,_2013,Nitrate,INDEPENDENT PIEZOMETER,R-X,1,1,MEAN_VAL_RPT,100-BC-5
565130.482,145397.266,7840,AT-B-3-D,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 135,100-BC-5
566438.064,145746.81,13850,AT-B-5-D,_LOW,Nitrate,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 126,100-BC-5
566143.324,145680.047,8990,AT-B-7-M,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 127,100-BC-5
563551,145732,5220,C8840,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 169,100-BC-5
564087,145547,4060,C8841,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 170,100-BC-5
564600.7,145341.1,4830,C8842,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 171,100-BC-5
564753.8,145307.7,7350,C8843,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 172,100-BC-5
564904,145380,6730,C8844,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 173,100-BC-5
565008.6,145402,7610,C8847,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 174,100-BC-5
565127,145425,7750,C8848,_LOW,Nitrate,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 175,100-BC-5
565202.2,145415,8190,C8851,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 176,100-BC-5
565295,145443,7440,C8853,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 177,100-BC-5
565441.8,145469,11600,C8855,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 178,100-BC-5
565746,145563,11400,C8859,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 181,100-BC-5
565848.2,145598,9470,C8860,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 182,100-BC-5
566151.8,145686,10400,C8861,_LOW,Nitrate,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 184,100-BC-5
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100-BC-5_Strontium-90.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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
564908.31,145332.29,7.8,05-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 139,100-BC 5
565293.927,145412.052,12,06-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 133,100-BC-5
564086.52,145264.56,1.1,199 B2-13,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
565095.99,145232.26,5.9,199-B2-14,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC 5
565561.455,145342.08,38,199-B3-1,_2013,Strontium 90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
565899.57,145369.04,36.5,199-B3-46,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
565388.66,145368.95,24.5,199-B3-47,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
566028.9,145058.21,1.7,199-B3-50,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,100-BC-5
565289.807,144791.53,19.5,199-B4-1,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
564969.25,144313.98,1.65,199-B4-14,_2011,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-BC-5
566132,144480,1.3,199 B4-16,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565401.02,144392.22,2.6,199-B4-18,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565377.08,144479.705,17,199-B4-4,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565398.86,144382.847,4.2,199-B4-7,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
565578.45,144653.79,1.2,199-B4-8,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
564878.149,144764.899,1.65,199-B5-1,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,100-BC-5
565188.34,144240.98,1.6,199-B5-11,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
564893.41,144764.86,1.7,199-B5 13,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
564170.23,144520.06,2.3,199-B5 14,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565405.427,144939.695,13,199-B5-2,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100 BC 5
566014,143587.69,1.7,199-B5-6,_2011,Strontium 90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
564821.98,144250.05,0,199-B5-9,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100 BC-5
564498.83,144157.79,1.7,199-B8 6,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
565276.43,144054.45,1.5,199-B8-9,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
565127.529,145397.211,15,AT-B-3-S,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 135,100-BC-5
564746.34,145303.78,1,C6228,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 140,100-BC-5
565423.77,145459.99,23,C6230,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 132,100-BC-5
565560.41,145495.82,1.4,C6234,_2013,Strontium-90,AQUIFER TUBE,R-X,2,1,MAX_VALOR_ND_MDA + MAX OF GROUP 130,100-BC-5
564995.094,145388.791,3.8,C7720,_2013,Strontium 90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 136,100-BC 5
565187.512,145406.642,20,C7725,_2013,Strontium-90,AQUIFER TUBE,R X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 134,100-BC-5
564753.8,145307.7,1,C8843,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC 5
564904,145380,1.1,C8844,_2013,Strontium 90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 173,100-BC-5
565008.6,145402,3.9,C8847,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 174,100-BC 5
565127,145425,1.1,C8848,_2013,Strontium-90,AQUIFER TUBE,R-X,2,0,MAX_VALOR_ND_MDA + MAX OF GROUP 175,100-BC-5
565202.2,145415,1.1,C8851,_2013,Strontium 90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 176,100-BC-5
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100-BC-5_Strontium-90_LO.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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
564908.31,145332.29,7.8,05-M,_LOW,Strontium-90,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 139,100-BC-5
565293.927,145412.052,12,06-M,_LOW,Strontium-90,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 133,100-BC-5
564086.52,145264.56,1.1,199-B2-13,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
565095.99,145232.26,5.9,199-B2-14,_LOW,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565561.455,145342.08,38,199-B3-1,_LOW,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565899.57,145369.04,53,199-B3-46,_LOW,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565388.66,145368.95,25,199-B3-47,_LOW,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
566028.9,145058.21,1.9,199-B3-50,_LOW,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565289.807,144791.53,19,199-B4-1,_LOW,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
564969.25,144313.98,1.65,199-B4-14,_2011,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-BC-5
566132,144480,1.3,199-B4-16,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565401.02,144392.22,2.6,199-B4-18,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565377.08,144479.705,17,199-B4-4,_LOW,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565398.86,144382.847,4.6,199-B4-7,_LOW,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565578.45,144653.79,1.2,199-B4-8,_LOW,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
564878.149,144764.899,2.2,199-B5-1,_LOW,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565188.34,144240.98,1.6,199-B5-11,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
564893.41,144764.86,1.7,199-B5-13,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
564170.23,144520.06,2.3,199-B5-14,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565405.427,144939.695,14,199-B5-2,_LOW,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
566014,143587.69,1.7,199-B5-8,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
564821.98,144250.05,0,199-B5-9,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
564498.83,144157.79,1.7,199-B8-6,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
565276.43,144054.45,1.5,199-B8-9,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
565127.529,145397.211,15,AT-B-3-S,_LOW,Strontium-90,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 135,100-BC-5
564746.34,145303.78,1,C6228,_LOW,Strontium-90,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_MDA + MAX OF GROUP 140,100-BC-5
565423.77,145459.99,22.5,C6230,_LOW,Strontium-90,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_MDA + MAX OF GROUP 132,100-BC-5
565560.41,145495.82,1.4,C6234,_LOW,Strontium-90,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 130,100-BC-5
564995.094,145388.791,3.8,C7720,_LOW,Strontium-90,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 136,100-BC-5
565187.512,145406.642,20,C7725,_LOW,Strontium-90,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 134,100-BC-5
564753.8,145307.7,1,C8843,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-BC-5
564904,145380,1.1,C8844,_LOW,Strontium-90,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_MDA + MAX OF GROUP 173,100-BC-5
565008.6,145402,3.9,C8847,_LOW,Strontium-90,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 174,100-BC-5
565127,145425,1.1,C8848,_LOW,Strontium-90,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_MDA + MAX OF GROUP 175,100-BC-5
565202.2,145415,1.1,C8851,_LOW,Strontium-90,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_MDA + MAX OF GROUP 176,100-BC-5
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100-BC-5_Tritium.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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
562697.662,146033.078,300,01-M,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 125,100-BC-5
564077.431,145469.247,570,03-D,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 131,100-BC-5
564612.184,145283.275,1000,04-D,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 141,100-BC-5
564908.31,145332.29,5500,05-M,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 139,100-BC-5
565293.927,145412.052,17000,06-M,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 133,100-BC-5
564086.52,145264.56,640,199-B2-13,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565095.99,145232.26,7150,199-B2-14,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
565561.455,145342.08,8000,199-B3-1,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
565899.57,145369.04,4350,199-B3-46,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
565388.66,145368.95,15500,199-B3-47,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
566028.9,145058.21,6350,199-B3-50,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100 BC-5
565289.807,144791.53,6450,199-B4-1,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
564969.25,144313.98,5641.66666666667,199-B4-14,_2013,Tritium,GROUNDWATER WELL,R-X,12,12,MEAN_VALOR_ND_MDA,100-BC-5
566132,144480,3200,199-B4-16,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565401.02,144392.22,12100,199-B4-18,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565377.08,144479.705,8300,199 B4-4,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565398.86,144382.847,10500,199 B4-7,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-BC-5
565578.45,144653.79,12000,199-B4-8,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
564878.149,144764.899,1233.33333333333,199-B5-1,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-BC-5
565188.34,144240.98,12000,199 B5 11,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-BC-5
564893.41,144764.86,6400,199-B5-13,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100 BC-5
564170.23,144520.06,1800,199-B5-14,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565405.427,144939.695,12666.6666666667,199-B5-2,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-BC-5
566014,143587.69,310,199-B5-8,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
564821.98,144250.05,8500,199-B5-9,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-BC-5
564498.83,144157.79,2500,199-B8-6,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
565276.43,144054.45,17666.6666666667,199-B8-9,_2013,Tritium,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_MDA,100-BC-5
565534.79,144078.08,8600,199-B9-2,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565667.36,144046.72,5800,199-B9-3,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
562367.221,142612.351,320,699-63-90,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
564590.465,143249.092,280,699-65-83,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
563661.645,143873.047,320,699-67-86,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
557803.348,144206.122,350,699-68-105,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
566401.954,145098.605,330,699-71-77,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
561839.416,145359.751,320,699-72-92,_2013,Tritium,INDEPENDENT PIEZOMETER,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
564308.894,145379.938,810,AT-B-1-M,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 137,100-BC 5
564513.954,145329.139,710,AT-B-2-D,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 138,100-BC-5
565130.482,145397.266,6600,AT-B-3-D,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 135,100-BC-5
566438.064,145746.81,4800,AT-B-5-D,_2013,Tritium,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 126,100-BC-5
566143.324,145680.047,2100,AT-B-7-M,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 127,100-BC-5
564748.32,145303.79,1100,C6229,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 140,100-BC-5
565426.35,145453.67,8800,C6232,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 132,100-BC-5
565563.42,145495.24,6700,C6235,_2013,Tritium,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 130,100-BC-5
564995.094,145388.791,760,C7720,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 136,100-BC-5
565188.849,145406.809,6900,C7726,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 134,100-BC-5
565752.625,145558.524,2900,C7782,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 129,100-BC-5
564753.8,145307.7,1400,C8843,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 172,100-BC-5
564904,145380,2500,C8844,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 173,100-BC-5
565008.6,145402,4100,C8847,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 174,100-BC-5
565127,145425,4900,C8848,_2013,Tritium,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 175,100-BC-5
565202.2,145415,6300,C8851,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 176,100-BC-5
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100-BC-5_Tritium_LO.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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
562697.662,146033.078,300,01-M,_LOW,Tritium,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_MDA + MAX OF GROUP 125,100-BC-5
564077.431,145469.247,570,03-D,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 131,100-BC-5
564612.184,145283.275,1000,04-D,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 141,100-BC-5
564908.31,145332.29,5500,05-M,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 139,100-BC-5
565293.927,145412.052,17000,06-M,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 133,100-BC-5
564086.52,145264.56,640,199-B2-13,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565095.99,145232.26,5900,199-B2-14,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565561.455,145342.08,10000,199-B3-1,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565899.57,145369.04,4300,199-B3-46,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565388.66,145368.95,13000,199-B3-47,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
566028.9,145058.21,5500,199-B3-50,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565289.807,144791.53,6800,199-B4-1,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
564969.25,144313.98,5550,199-B4-14,_LOW,Tritium,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,100-BC-5
566132,144480,3200,199-B4-16,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565401.02,144392.22,12100,199-B4-18,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565377.08,144479.705,8300,199-B4-4,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565398.86,144382.847,10250,199-B4-7,_LOW,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
565578.45,144653.79,12000,199-B4-8,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
564878.149,144764.899,1000,199-B5-1,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565188.34,144240.98,12000,199-B5-11,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-BC-5
564893.41,144764.86,6400,199-B5-13,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-BC-5
564170.23,144520.06,1800,199-B5-14,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-BC-5
565405.427,144939.695,10000,199-B5-2,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
566014,143587.69,310,199-B5-8,_LOW,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
564821.98,144250.05,8500,199-B5-9,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-BC-5
564498.83,144157.79,1500,199-B8-6,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565276.43,144054.45,16500,199-B8-9,_LOW,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-BC-5
565534.79,144078.08,8600,199-B9-2,_LOW,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
565667.36,144046.72,5800,199-B9-3,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
562367.221,142612.351,320,699-63-90,_LOW,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
564590.465,143249.092,280,699-65-83,_LOW,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100 BC-5
563661.645,143873.047,320,699-67-86,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
557803.348,144206.122,350,699-68-105,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
566401.954,145098.605,330,699-71-77,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-BC-5
561839.416,145359.751,320,699-72-92,_2013,Tritium,INDEPENDENT PIEZOMETER,R-X,1,0,MEAN_VALOR_ND_MDA,100-BC-5
564308.894,145379.938,810,AT-B-1-M,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 137,100-BC-5
564513.954,145329.139,710,AT-B-2-D,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 138,100-BC-5
565130.482,145397.266,6600,AT-B-3-D,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 135,100-BC-5
566438.064,145746.81,4750,AT-B-5-D,_LOW,Tritium,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_MDA + MAX OF GROUP 126,100-BC-5
566143.324,145680.047,2100,AT-B-7-M,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 127,100-BC-5
564748.32,145303.79,1100,C6229,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 140,100-BC-5
565426.35,145453.67,8800,C6232,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 132,100-BC-5
565563.42,145495.24,6300,C6235,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 130,100-BC-5
564995.094,145388.791,760,C7720,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 136,100-BC-5
565188.849,145406.809,6900,C7726,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 134,100-BC-5
565752.625,145558.524,2900,C7782,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 129,100-BC-5
564753.8,145307.7,1400,C8843,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 172,100-BC-5
564904,145380,2500,C8844,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 173,100-BC-5
565008.6,145402,4100,C8847,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 174,100-BC-5
565127,145425,4700,C8848,_LOW,Tritium,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_MDA + MAX OF GROUP 175,100-BC-5
565202.2,145415,6300,C8851,_LOW,Tritium,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_MDA + MAX OF GROUP 176,100-BC-5
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100-FR-3_ChromComb.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
580011.044,148805.299,6.7,199-F1-2,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
581250.123,147736.865,4.15,199-F5 1,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-FR 3
580583.19,147533.731,41.4,199-F5 4,_2012,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
581285.48,147834.82,3.5,199-F5-42,_2012,ChromComb,GROUNDWATER WELL,R X,2,0,MEAN_VAL_RPT,100-FR-3
581183.872,147948.07,3.85,199-F5-43A,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100 FR-3
581060.851,148043.196,11.35,199 F5-44,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
580706.877,147683.924,32.75,199-F5-45,_2012,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
580841.338,147781.509,26,199-F5-46,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
580495.509,147508.45,14.05,199-F5-47,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
580517.576,147690.098,13.1,199-F5-48,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
580672.81,148143.82,7.75,199-F5-52,_2013,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-FR-3
581145.51,147576.44,7.75,199-F5-54,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
581076.1,147797.57,2,199-F5-55,_2013,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-FR-3
580440.62,147556.36,20.4,199-F5 56,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
580901.652,148041.992,11.25,199-F5-6,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
581375.868,147564.509,6,199 F6-1,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR 3
579687.168,147022.43,4.3,199 F7-1,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-FR-3
580060.038,147770.4,6,199-F7-2,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100 FR-3
579884.708,147112.531,5.15,199-F7-3,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100 FR-3
580373.887,147468.469,3.5,199-F8 2,_2012,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-FR-3
580253.994,147253.37,3.65,199-F8-3,_2011,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-FR-3
580958.514,147123.532,5.9,199-F8-4,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-FR-3
580242.91,147116.74,4.5,199-F8-7,_2013,ChromComb,GROUNDWATER WELL,R X,2,1,MEAN_VAL_RPT,100-FR-3
580387.631,148586.32,5,62-M,_2013,ChromComb,AQUIFER TUBE,R-X,2,1,MAX_VAL_RPT + MAX OF GROUP 93,100-FR-3
581118.756,148037.975,2,64-S,_2012,ChromComb,AQUIFER TUBE,R-X,1,0,MAX_VAL_RPT + MAX OF GROUP 99,100-FR-3
581475.927,147541.818,6.2,66-D,_2013,ChromComb,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 109,100 FR-3
581616.352,147291.431,5,67-M,_2013,ChromComb,AQUIFER TUBE,R-X,2,0,MAX_VAL_RPT + MAX OF GROUP 111,100-FR-3
581758.431,147085.176,5,68-D,_2013,ChromComb,AQUIFER TUBE,R-X,4,0,MAX_VAL_RPT + MAX OF GROUP 114,100-FR-3
582308.824,141345.922,5,699-58-24,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
580115.078,141901.978,5.8,699-60-32,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580302.597,142532.469,5,699-62-31,_2012,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
582315.476,142798.003,5,699-63-25A,_2012,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
581375.457,142946.078,5,699-64-27,_2013,ChromComb,GROUNDWATER WELL,R X,1,0,MEAN_VAL_RPT,100-FR-3
582864.757,143617.192,5,699 66-23,_2013,ChromComb,INDEPENDENT PIEZOMETER,R-X,1,0,MEAN_VAL_RPT,100-FR-3
580603.348,145226.908,5,699-71-30,_2012,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
576393.094,146098.776,5,699-74-44,_2012,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-FR-3
578847.21,146868.941,5,699-77-36,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
573385.973,146854.795,26.6,699-77-54,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
578172.347,148241.561,5,699-81-38,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
575492.044,148705.248,22.2,699-83-47,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
577015.885,149603.906,3.8,699-86-42,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
576955.15,150059.122,16.4,699-87-42A,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
582600.48,145608.435,2,74 D,_2012,ChromComb,AQUIFER TUBE,R-X,1,0,MAX_VAL_RPT + MAX OF GROUP 128,100-FR-3
582793.49,145283.988,2,75-D,_2012,ChromComb,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 142,100-FR-3
582878.748,145087.325,2,76-D,_2012,ChromComb,AQUIFER TUBE,R-X,1,0,MAX_VAL_RPT + MAX OF GROUP 143,100 FR-3
582957.215,144889.256,2,77-D,_2012,ChromComb,AQUIFER TUBE,R-X,1,0,MAX_VAL_RPT + MAX OF GROUP 144,100-FR-3
581378.715,147707.333,5,AT-F-1-D,_2013,ChromComb,AQUIFER TUBE,R-X,2,1,MAX_VAL_RPT + MAX OF GROUP 106,100-FR 3
580942.3,148180.04,5.3,C6303,_2013,ChromComb,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 97,100-FR-3
581252.27,147922.66,3.4,C6305,_2013,ChromComb,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 101,100-FR-3
581294.05,147874.11,5,C6309,_2013,ChromComb,AQUIFER TUBE,R-X,2,1,MAX_VAL_RPT + MAX OF GROUP 103,100-FR-3
581331.18,147823.56,5,C6312,_2013,ChromComb,AQUIFER TUBE,R-X,2,0,MAX_VAL_RPT + MAX OF GROUP 104,100-FR-3
581354.76,147759.41,5,C6316,_2013,ChromComb,AQUIFER TUBE,R-X,2,0,MAX_VAL_RPT + MAX OF GROUP 105,100-FR-3
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100-FR-3_Nitrate.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
580011.044,148805.299,21100,199-F1-2,_2012,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
581250.123,147736.865,12100,199-F5-1,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580583.19,147533.731,144000,199-F5-4,_2012,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
581285.48,147834.82,2400,199-F5-42,_2012,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
581183.872,147948.07,5310,199-F5-43A,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
581060.851,148043.196,10400,199-F5-44,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580706.877,147683.924,64200,199-F5-45,_2012,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580841.338,147781.509,33700,199-F5-46,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580495.509,147508.45,125000,199-F5-47,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580517.576,147690.098,85900,199-F5-48,_2012,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
580672.81,148143.82,26300,199-F5-52,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
581145.51,147576.44,85000,199-F5-54,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
581076.1,147797.57,40700,199-F5-55,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
580440.62,147556.36,159000,199-F5-56,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
580901.652,148041.992,10900,199-F5-6,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
581375.868,147564.509,2990,199-F6-1,_2012,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
579687.168,147022.43,49100,199-F7-1,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580060.038,147770.4,53100,199-F7-2,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
579884.708,147112.531,65100,199-F7-3,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580373.887,147468.469,102000,199-F8-2,_2012,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580253.994,147253.37,94700,199-F8-3,_2011,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580958.514,147123.532,78400,199-F8-4,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580242.91,147116.74,116000,199-F8-7,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580387.631,148586.32,25100,62-M,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 93,100-FR-3
581118.756,148037.975,6020,64-D,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 97,100-FR-3
581475.927,147541.818,1590,66-D,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 109,100-FR-3
581616.352,147291.431,500,67-M,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 111,100-FR-3
581758.431,147085.176,305,68-D,_2013,Nitrate,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 114,100-FR-3
582308.824,141345.922,5220,699-58-24,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580115.078,141901.978,25500,699-60-32,_2012,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580302.597,142532.469,81000,699-62-31,_2012,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
582315.476,142798.003,26000,699-63-25A,_2012,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
581375.457,142946.078,47800,699-64-27,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
582864.757,143617.192,28100,699-66-23,_2013,Nitrate,INDEPENDENT PIEZOMETER,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580603.348,145226.908,93000,699-71-30,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
573907.901,145214.843,21500,699-71-52,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
576393.094,146098.776,4905,699-74-44,_2012,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-FR-3
578847.21,146868.941,33600,699-77-36,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
573385.973,146854.795,9830,699-77-54,_2012,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
578172.347,148241.561,177,699-81-38,_2013,Nitrate,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
575492.044,148705.248,11900,699-83-47,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
576955.15,150059.122,8900,699-87-42A,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
582600.48,145608.435,6680,74-D,_2014,Nitrate,NA,NA,NA,NA,SoftData Type 1,100-FR-3
582793.49,145283.988,29500,75-D,_2014,Nitrate,NA,NA,NA,NA,SoftData Type 1,100-FR-3
582878.748,145087.325,14800,76-D,_2012,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 143,100-FR-3
582957.215,144889.256,10400,77-D,_2012,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 144,100-FR-3
581378.715,147707.333,1840,AT-F-1-D,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 106,100-FR-3
581250.54,147926.32,2670,C6307,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 101,100-FR-3
581294.05,147874.11,3520,C6309,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 103,100-FR-3
581331.18,147823.56,2470,C6312,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 104,100-FR-3
581354.76,147759.41,1810,C6316,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 105,100-FR-3
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100-FR-3_Strontium-90.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
581250.123,147736.865,26,199-F5 1,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-FR-3
580583.19,147533.731,1.6,199-F5-4,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-FR-3
581285.48,147834.82,1.6,199-F5-42,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-FR-3
581183.872,147948.07,3.9,199-F5-43A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 FR-3
581060.851,148043.196,5.2,199-F5-44,_2013,Strontium 90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-FR-3
580706.877,147683.924,1.2,199-F5-45,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-FR-3
580841.338,147781.509,5.5,199-F5-46,_2013,Strontium 90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 FR-3
580517.576,147690.098,0,199-F5-48,_2010,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-FR-3
580672.81,148143.82,1.8,199-F5-52,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-FR-3
581145.51,147576.44,3.1,199-F5-54,_2013,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-FR-3
581076.1,147797.57,170,199-F5-55,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-FR-3
580440.62,147556.36,44,199-F5-56,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-FR 3
580901.652,148041.992,5.4,199-F5 6,_2013,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-FR-3
581375.868,147564.509,2.1,199-F6-1,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-FR-3
580060.038,147770.4,0,199-F7-2,_2010,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-FR-3
580373.887,147468.469,0,199-F8-2,_2010,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-FR 3
580253.994,147253.37,0.468,199-F8 3,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100 FR-3
580242.91,147116.74,6.2,199 F8-7,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-FR-3
581118.756,148037.975,1.2,64 S,_2012,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 99,100-FR-3
573385.973,146854.795,1.7,699-77 54,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100 FR-3
581377.937,147709.395,2.4,AT-F-1-S,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 106,100-FR 3
580940,148180.16,5.8,C6302,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 97,100-FR-3
581252.27,147922.66,2.9,C6305,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 101,100-FR-3
581294.05,147874.11,3.1,C6309,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 103,100-FR-3
581331.18,147823.56,2.3,C6312,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 104,100-FR-3
581354.66,147760.53,2.2,C6314,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 105,100-FR-3
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100-FR-3_Trichloroethene.dat

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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  20
0.1  0.9 0.5 0.2   .1
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
580583.19,147533.731,1,199-F5-4,_2012,Trichloroethene,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
580706.877,147683.924,4.5,199-F5-45,_2012,Trichloroethene,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580841.338,147781.509,1.5,199-F5-46,_2013,Trichloroethene,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580517.576,147690.098,5.1,199-F5-48,_2012,Trichloroethene,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580672.81,148143.82,1,199-F5-52,_2011,Trichloroethene,GROUNDWATER WELL,R-X,4,0,MEAN_VAL_RPT,100-FR-3
581145.51,147576.44,1,199-F5-54,_2011,Trichloroethene,GROUNDWATER WELL,R-X,4,0,MEAN_VAL_RPT,100-FR-3
581076.1,147797.57,1,199-F5-55,_2012,Trichloroethene,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
580440.62,147556.36,1.7,199-F5-56,_2013,Trichloroethene,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
579687.168,147022.43,15,199-F7-1,_2013,Trichloroethene,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580060.038,147770.4,3.9,199-F7-2,_2013,Trichloroethene,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
579884.708,147112.531,5.2,199-F7-3,_2013,Trichloroethene,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
580253.994,147253.37,0.25,199-F8-3,_2011,Trichloroethene,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
580242.91,147116.74,0.5,199-F8-7,_2013,Trichloroethene,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
580603.348,145226.908,0.5,699-71-30,_2013,Trichloroethene,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-FR-3
576393.094,146098.776,1,699-74-44,_2012,Trichloroethene,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-FR-3
578847.21,146868.941,12,699-77-36,_2013,Trichloroethene,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
573385.973,146854.795,11,699-77-54,_2011,Trichloroethene,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
575492.044,148705.248,1.3,699-83-47,_2013,Trichloroethene,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
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100-HR-3-D_ChromComb_HI.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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
574470.87,153465.19,1.9,199 D2-10,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573328.16,151120.73,13.4,199 D2-11,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
574343.45,153300.01,1.9,199-D2-12,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573000.21,151119.86,21.45,199-D2-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572453.955,151165.653,3.5,199-D3-2,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572787.66,150994.54,7.75,199-D3-5,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572800.1,151425.94,17.2,199-D4-101,_2013,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
572665.855,151424.474,4.165,199-D4-13,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572839.812,151641.64,5.6,199-D4-14,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572936.636,151424.862,13.25,199-D4-15,_2013,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-D
572559.349,151282.037,5.5,199-D4-19,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR 3-D
572794.042,151257.474,129,199-D4-20,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572788.453,151539.293,270,199-D4-22,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572672.455,151592.87,2.4,199-D4-23,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR-3-D
572711.441,151476.238,7.2,199-D4-25,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572712.326,151488.878,3.5,199-D4-26,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR 3-D
572724.228,151493.48,4.4,199-D4-27,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572749.468,151527.997,18.05,199-D4-31,_2013,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-D
572790.871,151573.746,10,199-D4-32,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572804.601,151590.028,24,199-D4-34,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3 D
572818.193,151606.215,164.5,199-D4-36,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572671.317,151537.856,3.9375,199-D4-38,_HIGH,ChromComb,GROUNDWATER WELL,R-X,8,7,MEAN_VAL_RPT,100-HR-3 D
572747.453,151650.84,22.7,199-D4 39,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
572754.612,151571.609,12.8,199-D4-4,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572881.3,151703.459,5.37,199-D4-48,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 D
572740.543,151556.5,24.9,199-D4-5,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572733.34,151577.919,10.4,199-D4-6,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572619.521,151351.066,2,199 D4-62,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR-3-D
572760.866,151551.254,2,199 D4-7,_2013,ChromComb,GROUNDWATER WELL,R X,1,0,MEAN_VAL_RPT,100-HR-3-D
572511.284,151218.263,6.155,199-D4-78,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 D
572859.432,151723.418,6.92857142857143,199-D4-83,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
572568.043,151433.521,15.9714285714286,199-D4-84,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3 D
572486.163,151324.202,7.58571428571429,199-D4-85,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
572389.064,151202.144,6.35,199-D4-86,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572714.05,151486.31,3.5,199-D4-92,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,0,MEAN_VAL_RPT,100 HR-3 D
572710.39,151491.2,12.25,199-D4-93,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572612.82,151226.7,19.2333333333333,199-D4-95,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR 3-D
572777.03,151519.78,70.1222222222222,199-D4-96,_HIGH,ChromComb,GROUNDWATER WELL,R-X,9,9,MEAN_VAL_RPT,100-HR-3-D
572906.23,151625.33,40.2,199-D4-97,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572574.52,151481.65,4.32857142857143,199-D4-98,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
572527.36,151377.08,4.68571428571429,199-D4-99,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
572943.04,151521.52,56.8714285714286,199-D5-101,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573505.87,151460.87,1324,199-D5-103,_2013,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573265.48,151422.43,3775,199-D5-104,_HIGH,ChromComb,GROUNDWATER WELL,R-X,32,32,MEAN_VAL_RPT,100-HR-3-D
573503.74,151597.97,29.66,199-D5-106,_2013,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100-HR-3-D
572932.37,151283.14,6.05,199-D5-107,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572923.34,151222.9,5,199-D5-108,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR-3-D
572917.37,151285.57,3.5,199-D5-109,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-D
572931.57,151277.61,3.5,199 D5-110,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-D
572918.04,151223.75,5,199-D5-114,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR-3-D
572923.15,151221.12,13.45,199-D5-115,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
573824.21,151639.41,39.3,199-D5-123,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573667.39,151746.18,288,199-D5-125,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573705.71,151843.28,377,199-D5-126,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572992.26,151428.31,47.2428571428571,199-D5-127,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573622.4,151237.35,1.9,199-D5-128,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573735.5,151465.13,1.9,199-D5-129,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573535.527,151955.183,671.333333333333,199-D5-13,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
574039.2,151928.51,57.7142857142857,199-D5-130,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573684.39,152006.75,403,199-D5-131,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573875.35,151586.87,38.6,199-D5-132,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573731.55,151497.37,23.6,199-D5-133,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573789.632,151787.99,108.45,199-D5-14,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573791.87,151563.26,29,199-D5-142,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573701.53,151784.26,237.666666666667,199-D5-143,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
573215.62,151396.28,99.9,199-D5-145,_HIGH,ChromComb,GROUNDWATER WELL,C,1,1,MAX_VAL_RPT,100-HR-3-D
573219.79,151345.59,53.6,199-D5-146,_HIGH,ChromComb,GROUNDWATER WELL,C,1,1,MAX_VAL_RPT,100 HR-3-D
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572993.13,151380.78,30.7,199-D5-147,_HIGH,ChromComb,GROUNDWATER WELL,C,1,1,MAX_VAL_RPT,100-HR-3-D
573361.48,151083.48,3.8,199-D5-148,_HIGH,ChromComb,GROUNDWATER WELL,C,1,1,MAX_VAL_RPT,100-HR-3-D
573738.61,151673.75,44.15,199-D5-15,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573329.77,151992.82,20.4,199-D5-153,_2013,ChromComb,GROUNDWATER WELL,C,4,1,MAX_VAL_RPT,100-HR-3-D
573632.26,151831.74,317,199-D5-154,_2013,ChromComb,GROUNDWATER WELL,C,5,4,MAX_VAL_RPT,100-HR-3-D
573917.45,151652.51,56.65,199-D5-16,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573730.52,151322.83,23.45,199-D5-17,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573861.7,151325.18,26.6,199-D5-18,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573849.12,151243.19,9.9,199-D5-19,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573239.97,152030.15,22.7714285714286,199-D5-20,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573372.04,151903.39,231.285714285714,199-D5-32,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573095.03,151714.54,8,199-D5-33,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573240.42,151554.12,82.9,199-D5-34,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572909.823,151746.32,11.5,199-D5-36,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
573092.236,151916.365,11.55,199-D5-37,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572996.824,151545.593,11.9,199-D5-38,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573142.858,151428.428,250.894736842105,199-D5-39,_HIGH,ChromComb,GROUNDWATER WELL,R-X,19,19,MEAN_VAL_RPT,100-HR-3-D
573003.258,151272.017,23.3,199-D5-40,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573358.16,151792.191,7,199-D5-41,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573479.771,151622.674,1.9,199-D5-42,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573179.976,151269.43,56.9,199-D5-43,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572993.581,151835.736,1.9,199-D5-44,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573131.93,152009.82,12.2285714285714,199-D5-92,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573350.22,151459.64,40.8,199-D5-93,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573250.11,151302.47,26.2916666666667,199-D5-97,_HIGH,ChromComb,GROUNDWATER WELL,R-X,12,12,MEAN_VAL_RPT,100-HR-3-D
574129.87,151691.71,1.9,199-D6-1,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574544.61,151970.2,1.9,199-D6-2,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574159.09,151643.85,22.4,199-D6-3,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
574151.38,152363.41,26.8428571428571,199-D7-3,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
574377.07,152369.64,1.9,199-D7-4,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574434.31,152678.72,1.9,199-D7-5,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574429.2,152980.43,22.4285714285714,199-D7-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
574069.46,152262.43,17,199-D8-101,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573447.185,152090.212,242.5,199-D8-4,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573537.146,152243.497,6.45,199-D8-5,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573889.86,152452.26,15.6666666666667,199-D8-53,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
573620.954,152364.345,1.9,199-D8-55,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573434.693,152060.822,143.8,199-D8-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573711.67,152427.1,11.74,199-D8-68,_HIGH,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573843.61,152552.201,17.5571428571429,199-D8-69,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573942.097,152508.741,17.1666666666667,199-D8-70,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
573837.097,152429.388,37.7,199-D8-71,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573388.7,152167.38,54.2142857142857,199-D8-73,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573292.33,152141.26,50.9142857142857,199-D8-88,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573478.64,152249.65,44.7,199-D8-89,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573948.64,152646.23,22.3875,199-D8-90,_HIGH,ChromComb,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,100-HR-3-D
574036.89,152741.44,21.6166666666667,199-D8-91,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
574148.7,153085.8,1.9,199-D8-93,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574047.82,152949.53,1.9,199-D8-94,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573611.96,152160.61,524.142857142857,199-D8-95,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573706,152152.24,400.714285714286,199-D8-96,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573859.56,152087.42,307.857142857143,199-D8-97,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
574013.12,152123.02,28.4142857142857,199-D8-98,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
574006.77,152364.37,1.9,199-D8-99,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
576702.31,153384.49,24.7428571428571,199-H1-1,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576451.07,153378.26,40.2142857142857,199-H1-2,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
575706.04,154183.61,0.36,199-H1-20,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
575896.84,154163.8,0.36,199-H1-21,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
576279.64,154069.97,5.71428571428571,199-H1-25,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576403.86,154024.21,5.97142857142857,199-H1-27,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576767.07,153766,12.5142857142857,199-H1-32,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576833.29,153716.23,9.05,199-H1-33,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-H
576883.13,153667.06,6.32857142857143,199-H1-34,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576958.26,153628.14,7.32857142857143,199-H1-35,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576885.62,153486.51,38.9,199-H1-36,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577106.92,153641.63,4.45714285714286,199-H1-37,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577161,153555.01,4.9,199-H1-38,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577223.54,153533.4,2.54285714285714,199-H1-39,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,6,MEAN_VAL_RPT,100-HR-3-H
575826.78,153366.87,39.8285714285714,199-H1-4,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577279.34,153500.19,2.11428571428571,199-H1-40,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577127.18,153391.65,17.28,199-H1-42,_HIGH,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577213.74,153384.28,10.2428571428571,199-H1-43,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577240.96,153062.41,3.65714285714286,199-H1-45,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,6,MEAN_VAL_RPT,100-HR-3-H
574850.72,153090.3,17.92,199-H1-5,_HIGH,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
576037.81,153745.74,21.9714285714286,199-H1-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577629.6,153172.1,2.3,199-H1-7,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
577410.36,152978.49,0.36,199-H3-25,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577440.83,152846.5,0.36,199-H3-26,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577567.05,152811.14,0.36,199-H3-27,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577624.608,152750.068,2,199-H3-2A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-H
577562.091,152363.166,9.15,199-H3-3,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
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577544.287,152293.21,7.08571428571429,199-H3-4,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577454.697,152287.496,3.25,199-H3-5,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
578266.47,152425.33,3.95,199-H3-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-H
577931.74,152279.97,2,199-H3-7,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR-3-H
577827.209,153155.813,5.65,199-H4-10,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-H
578141.906,152728.433,9.45,199-H4-11,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
578009.151,152912.729,4.3,199-H4-12A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
578219.304,152595.273,6.26666666666667,199-H4-13,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-H
577803.747,152752.359,6.3,199-H4-14,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-H
577904.313,153053.42,12.3142857142857,199-H4-15A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577981.91,152591.573,2,199-H4-16,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-H
577779.175,153037.635,0.36,199-H4-17,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
578018.292,152756.478,0.36,199-H4-18,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577940.493,152858.537,27.95,199-H4-3,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
578060.859,152853.956,4.50769230769231,199-H4-4,_HIGH,ChromComb,GROUNDWATER WELL,R-X,13,13,MEAN_VAL_RPT,100-HR-3-H
578156.386,152433.394,2.35,199-H4-45,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
577883.861,152439.868,2,199-H4-46,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-H
577792.658,152620.211,2.65166666666667,199-H4-48,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,4,MEAN_VAL_RPT,100-HR-3-H
577713.83,152445.154,11.7,199-H4-49,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
577944.937,152939.783,13.15,199-H4-5,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
577856.1,152837.4,9,199-H4-53,_HIGH,ChromComb,VADOSE WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
577585.316,152888.391,2,199-H4-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-H
578185.825,152665.531,9.71666666666667,199-H4-63,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-H
577946.11,153010.582,6.65714285714286,199-H4-64,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577998.259,152787.285,7.45,199-H4-65,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
578014.05,152686.66,3.77142857142857,199-H4-69,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577804.134,152890.845,25.8375,199-H4-7,_HIGH,ChromComb,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,100-HR-3-H
578003.82,152646.45,2.5,199-H4-70,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,4,MEAN_VAL_RPT,100-HR-3-H
578010.64,152581.53,0.36,199-H4-71,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
578036.28,152500.14,0.36,199-H4-72,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577940.58,152369.98,0.36,199-H4-73,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577239.07,152268.83,0.36,199-H4-74,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577212.36,152704.64,51.7571428571429,199-H4-75,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576787.32,152976.85,59.75,199-H4-76,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-H
576487.79,152975.43,65.7875,199-H4-77,_HIGH,ChromComb,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,100-HR-3-H
576168.23,152166.12,0.36,199-H4-78,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
575659.13,151989.31,0.36,199-H4-79,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
575238.97,152568.16,23.3,199-H4-80,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
575236.93,153035.36,22.0714285714286,199-H4-81,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
574906.99,152677.72,20.9857142857143,199-H4-82,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
577902.58,152848.73,25.18,199-H4-84,_HIGH,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577980.02,152880.81,25.55,199-H4-85,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
577704.55,152745.65,96.4,199-H4-86,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
577923.192,152893.891,22.4333333333333,199-H4-9,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-H
577650.08,152257.724,8.45,199-H5-1A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
578236.557,152247.63,5.3,199-H6-1,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
577886.5,152194.11,0.36,199-H6-2,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
578340.4,151929.35,17.4,199-H6-3,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
577771.59,151737.1,18.4,199-H6-4,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
573120.65,152146.43,3.5,36-M,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 35,100-HR-3-D
573471.85,152368.72,105,38-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 30,100-HR-3-D
577033.113,153810.532,2,44-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 7,100-HR-3-H
577597.84,153493.801,3.6,45-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 11,100-HR-3-H
578193.394,152744.421,9,47-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 21,100-HR-3-H
578465.52,152420.795,8,48-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 29,100-HR-3-H
578699.755,152232.861,10.3,49-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 33,100-HR-3-H
578919.484,151586.176,2,52-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 46,100-HR-3-H
579033.518,151231.944,7.2,54-S,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 53,100-HR-3-H
576675.9,154008.65,3.5,699-100-43B,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,0,MEAN_VAL_RPT,100-HR-3-H
576032.4,154124.17,7.29166666666667,699-101-45,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,5,MEAN_VAL_RPT,100-HR-3-H
577221.545,150333.764,12.8,699-88-41,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
576169.25,151024.529,6.7,699-90-45,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
575910.95,151156.642,8.8,699-91-46A,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
575094.127,151795.301,7.45,699-93-48A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
577223.05,152111.68,15.1,699-94-41,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
576625.6,152087.9,42.85,699-94-43,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
576257,152556.28,17.6,699-95-45,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
575253.42,152323.05,18.15,699-95-48,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
574439.5,152528.59,17.9,699-95-51,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
576761.453,152605.307,63.1,699-96-43,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
573910.16,152656.22,23.4,699-96-52B,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
577217.5,153090.38,12.8333333333333,699-97-41,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-H
576859.84,152981.3,57.2,699-97-43B,_2013,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-H
576051.7,152978.95,40.7,699-97-45,_2013,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-H
575247.59,152909.76,20.1,699-97-48B,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
574468.122,153122.092,15.5,699-97-51A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
576863.24,153371.37,55.05,699-98-43,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
575726.86,153365.63,35.1,699-98-46,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
574823.368,153310.153,2.45,699-98-49A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
574339.32,153302.71,9.85,699-98-51,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
577283.99,153590.74,2.55,699-99-41,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-H
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576458.77,153592.4,33.15,699-99-44,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
572860.651,151852.065,3.5,AT-D-1-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 40,100-HR-3-D
573105.776,152130.318,2,AT-D-2-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 36,100-HR-3-D
573233.231,152224.319,150,AT-D-3-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 34,100-HR-3-D
572992.239,152039.564,2,AT-D-4-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 38,100-HR-3-D
573934.803,152850.597,2,AT-D 5-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 20,100-HR-3-D
578069.144,152954.335,8,AT-H-1-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 17,100-HR-3-H
578109.838,152896.44,2,AT-H-2-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 18,100-HR-3-H
578142.216,152853.072,11,AT-H-3-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 19,100-HR-3-H
576390.6,154227.98,9.68,C5633,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 1,100-HR-3-H
576481.4,154179.43,8.3,C5636,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 2,100-HR-3-H
576634.08,154070.38,16.55,C5638,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 3,100-HR-3-H
576871.56,153916.62,29.7,C5641,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 5,100-HR-3-H
576960.87,153869.32,3.5,C5644,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 6,100-HR-3-H
577157.45,153736.67,3.5,C5674,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 8,100-HR-3-H
577278.65,153653.5,9.68,C5678,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 9,100-HR-3-H
577409.4,153593.79,5.2,C5680,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 10,100-HR-3-H
577699.79,153338.71,9,C5682,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 13,100-HR-3-H
572270.42,151242.23,9,C6267,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 52,100-HR-3-D
572335.82,151323.2,2,C6269,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 51,100-HR-3-D
572920.42,151926.86,2,C6272,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 39,100-HR-3-D
573337.49,152284.93,2,C6275,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 32,100-HR-3-D
573533.98,152428.19,2,C6278,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 28,100-HR-3-D
574056.82,153353.31,2,C6281,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 12,100-HR-3-D
576037.53,154364.5,4.5,C6286,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 0,100-HR-3-H
576781.62,153965.55,13.4,C6287,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 4,100-HR-3-H
577793.47,153266.01,2,C6290,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 14,100-HR-3-H
578035.06,152996.7,2,C6293,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 16,100-HR-3-H
578313.22,152575.13,10.5,C6297,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 24,100-HR-3-H
578585.17,152324.65,2.3,C6300,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 31,100-HR-3-H
572046.29,150949.98,5,C6334,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 57,100-HR-3-D
572077.51,151003.82,5.5,C7646,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 56,100-HR-3-D
578271.58,152659.02,33.05,C7650,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 23,100-HR-3-H
577548,152531,15,CP_2013_35,SOFTDATA,ChromComb,NA,NA,NA,NA,SoftData Type 3,
573819.657,152683.584,6.1,DD-12-4,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 22,100 HR-3-D
573700.597,152547.317,18.4,DD-15-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 25,100-HR-3-D
573650.431,152516.128,13.6,DD-16-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 26,100-HR-3-D
572606.547,151625.856,2,DD-39-1,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 44,100-HR-3-D
572532.894,151530.892,2,DD-41-1,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 47,100-HR-3-D
572485.319,151492.503,2,DD-42-2,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 48,100-HR-3-D
572450.504,151443.236,2,DD-43-2,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 49,100-HR-3-D
572412.676,151394.279,2,DD-44-3,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 50,100-HR-3-D
572210.802,151163.304,44,DD-49-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 54,100-HR-3-D
572172.166,151120.007,9,DD-50-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 55,100-HR-3-D
572716.336,151730.81,2,Redox-1-3.3,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 42,100-HR-3-D
572636.662,151687.803,7.8,Redox-2-6.0,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 43,100-HR-3-D
572583.206,151603.027,3.5,Redox-3-4.6,_HIGH,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 45,100-HR-3-D
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100-HR-3-D_ChromComb_LO.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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
574470.87,153465.19,1.9,199-D2 10,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573328.16,151120.73,14.2,199-D2-11,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-D
574343.45,153300.01,1.9,199-D2 12,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573000.21,151119.86,19.1,199-D2-6,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572453.955,151165.653,9.9,199-D3-2,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572787.66,150994.54,12.55,199-D3-5,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572800.1,151425.94,15,199-D4-101,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
572665.855,151424.474,4.165,199-D4-13,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-D
572839.812,151641.64,25.9571428571429,199-D4-14,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR 3 D
572936.636,151424.862,13.25,199-D4-15,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-D
572559.349,151282.037,1.185,199-D4-19,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3 D
572794.042,151257.474,129,199-D4-20,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572788.453,151539.293,148.666666666667,199-D4-22,_LOW,ChromComb,GROUNDWATER WELL,R X,3,3,MEAN_VAL_RPT,100-HR-3-D
572672.455,151592.87,2.775,199-D4-23,_LOW,ChromComb,GROUNDWATER WELL,R X,2,1,MEAN_VAL_RPT,100-HR-3-D
572711.441,151476.238,25.15,199-D4-25,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-D
572712.326,151488.878,1.675,199-D4-26,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572724.228,151493.48,13,199-D4-27,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-D
572749.468,151527.997,18.05,199-D4-31,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572790.871,151573.746,10,199 D4-32,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572804.601,151590.028,107.75,199-D4-34,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572818.193,151606.215,164.5,199-D4-36,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572671.317,151537.856,11.17,199-D4-38,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3 D
572747.453,151650.84,45.2333333333333,199-D4-39,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100 HR 3 D
572754.612,151571.609,12.8,199-D4-4,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100 HR-3-D
572881.3,151703.459,5.37,199-D4-48,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572740.543,151556.5,24.9,199-D4-5,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-HR-3-D
572733.34,151577.919,10.4,199-D4-6,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572619.521,151351.066,9.99666666666667,199 D4 62,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
572760.866,151551.254,2,199-D4-7,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR 3-D
572511.284,151218.263,6.155,199-D4-78,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-D
572859.432,151723.418,12.4,199-D4 83,_LOW,ChromComb,GROUNDWATER WELL,R X,6,6,MEAN_VAL_RPT,100-HR 3-D
572568.043,151433.521,25.5,199 D4 84,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572486.163,151324.202,7.25,199-D4 85,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572389.064,151202.144,11.85,199-D4-86,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 D
572714.05,151486.31,1.765,199-D4-92,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572710.39,151491.2,25,199-D4-93,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572612.82,151226.7,21.4833333333333,199-D4-95,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
572777.03,151519.78,57.3166666666667,199-D4-96,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
572906.23,151625.33,14.3666666666667,199-D4-97,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
572574.52,151481.65,14.15,199-D4-98,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
572527.36,151377.08,3.45166666666667,199-D4-99,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
572943.04,151521.52,45.75,199-D5-101,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
573505.87,151460.87,1324,199-D5-103,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573265.48,151422.43,3486,199-D5-104,_LOW,ChromComb,GROUNDWATER WELL,R-X,14,14,MEAN_VAL_RPT,100-HR-3-D
573503.74,151597.97,29.66,199-D5-106,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
572932.37,151283.14,5.756,199-D5-107,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572923.34,151222.9,16.35,199-D5-108,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572917.37,151285.57,1.307,199-D5-109,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572931.57,151277.61,1.64,199-D5-110,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572918.04,151223.75,13.75,199-D5-114,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572923.15,151221.12,18.5,199-D5-115,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
573824.21,151639.41,39.25,199-D5-123,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573667.39,151746.18,258,199-D5-125,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573705.71,151843.28,351,199-D5-126,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-D
572992.26,151428.31,40.96,199-D5-127,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573622.4,151237.35,1.9,199-D5-128,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573735.5,151465.13,1.9,199-D5-129,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573535.527,151955.183,605.25,199-D5-13,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
574039.2,151928.51,44.12,199-D5-130,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573684.39,152006.75,312.8,199-D5-131,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573875.35,151586.87,33,199-D5-132,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573731.55,151497.37,18.2,199-D5-133,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 D
573789.632,151787.99,92.75,199-D5-14,_LOW,ChromComb,GROUNDWATER WELL,R-X,12,12,MEAN_VAL_RPT,100-HR-3-D
573791.87,151563.26,21.05,199-D5-142,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573701.53,151784.26,260,199-D5-143,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR-3-D
573215.62,151396.28,79.6,199-D5-145,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573219.79,151345.59,28,199-D5-146,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-HR-3-D
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572993.13,151380.78,49.65,199-D5-147,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573361.48,151083.48,9.605,199-D5-148,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573738.61,151673.75,27.85,199-D5-15,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573329.77,151992.82,20.4,199-D5-153,_LOW,ChromComb,GROUNDWATER WELL,C,4,1,MAX_VAL_RPT,100-HR-3-D
573632.26,151831.74,317,199-D5-154,_LOW,ChromComb,GROUNDWATER WELL,C,5,4,MAX_VAL_RPT,100-HR-3-D
573917.45,151652.51,63.2,199-D5-16,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573730.52,151322.83,23.45,199-D5-17,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573861.7,151325.18,21.5,199-D5-18,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573849.12,151243.19,9.9,199-D5-19,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573239.97,152030.15,22.5666666666667,199-D5-20,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
573372.04,151903.39,239.166666666667,199-D5-32,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
573095.03,151714.54,9.9,199-D5-33,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573240.42,151554.12,216,199-D5-34,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572909.823,151746.32,12.7,199-D5-36,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573092.236,151916.365,12.45,199-D5-37,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572996.824,151545.593,13.3,199-D5-38,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
573142.858,151428.428,184,199-D5-39,_LOW,ChromComb,GROUNDWATER WELL,R-X,10,10,MEAN_VAL_RPT,100-HR-3-D
573003.258,151272.017,21.5,199-D5-40,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
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573479.771,151622.674,1.9,199-D5-42,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573179.976,151269.43,42.05,199-D5-43,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
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573250.11,151302.47,22.125,199-D5-97,_LOW,ChromComb,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,100-HR-3-D
574129.87,151691.71,1.9,199-D6-1,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574544.61,151970.2,1.9,199-D6-2,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574159.09,151643.85,12.9333333333333,199-D6-3,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
574151.38,152363.41,22.94,199-D7-3,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
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574429.2,152980.43,16.74,199-D7-6,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
574069.46,152262.43,22.1,199-D8-101,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573447.185,152090.212,150,199-D8-4,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573537.146,152243.497,8.66,199-D8-5,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573889.86,152452.26,15.5666666666667,199-D8-53,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
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573843.61,152552.201,20.34,199-D8-69,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573942.097,152508.741,19.15,199-D8-70,_2013,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
573837.097,152429.388,30.8,199-D8-71,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573388.7,152167.38,74,199-D8-73,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
573292.33,152141.26,117.2,199-D8-88,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573478.64,152249.65,96.6,199-D8-89,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573948.64,152646.23,19.6,199-D8-90,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
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574148.7,153085.8,1.9,199-D8-93,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
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574013.12,152123.02,30.82,199-D8-98,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
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575706.04,154183.61,0.36,199-H1-20,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
575896.84,154163.8,0.36,199-H1-21,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
576279.64,154069.97,15.26,199-H1-25,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
576403.86,154024.21,21.525,199-H1-27,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-H
576767.07,153766,17,199-H1-32,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
576833.29,153716.23,16,199-H1-33,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
576883.13,153667.06,15.6,199-H1-34,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
576958.26,153628.14,17.42,199-H1-35,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
576885.62,153486.51,44.7,199-H1-36,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577106.92,153641.63,7.73333333333333,199-H1-37,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-H
577161,153555.01,6.8,199-H1-38,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-H
577223.54,153533.4,2,199-H1-39,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
575826.78,153366.87,36.3333333333333,199-H1-4,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-H
577279.34,153500.19,3.475,199-H1-40,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-H
577127.18,153391.65,32.84,199-H1-42,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577213.74,153384.28,31.46,199-H1-43,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577240.96,153062.41,2.54,199-H1-45,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,4,MEAN_VAL_RPT,100-HR-3-H
574850.72,153090.3,20.5,199-H1-5,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
576037.81,153745.74,24.475,199-H1-6,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-H
577629.6,153172.1,1.60333333333333,199-H1-7,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100-HR-3-H
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577624.608,152750.068,2,199-H3-2A,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR-3-H
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577544.287,152293.21,7.08,199 H3 4,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100-HR-3 H
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578266.47,152475.33,2.814,199 H3 6,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100-HR 3 H
577931.74,152279.97,1.4333333333333,199-H3 7,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100 HR-3 H
577827.209,153155.813,2.665,199-H4-10,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-H
578141.906,152728.433,7.5,199 H4 11,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100 HR-3-H
578009.151,152913.729,22.066666666667,199 H4 12A,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100 HR 3 H
578219.304,152595.273,4.445,199 H4-13,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3 H
577803.747,152752.359,6.3,199 H4 14,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100 HR 3 H
577904.313,153053.42,18.44,199 H4 15A,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100 HR 3 H
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577779.175,153037.635,0.36,199 H4-17,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR 3 H
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577940.493,152856.537,25.671428571428 6,199 H4 3,_2013,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR 3 H
578060.859,152853.956,11.7,199-H4 4,_LOW,ChromComb,GROUNDWATER WELL,R X,3,3,MEAN_VAL_RPT,100 HR-3-H
578156.386,152433.394,3.64,199-H4-45,_LOW,ChromComb,GROUNDWATER WELL,R X,4,4,MEAN_VAL_RPT,100-HR-3-H
577883.861,152439.868,1.286,199-H4-46,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3 H
577792.658,152620.211,3.3977777777777 8,199-H4 48,_2013,ChromComb,GROUNDWATER WELL,R-X,9,7,MEAN_VAL_RPT,100-HR-3 H
577713.83,152445.154,10.4,199-H4-49,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
577944.937,152939.783,8.96,199-H4-5,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-H
577856.1,152837.4,9,199 H4-53,_2013,ChromComb,VADOSE WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
577585.316,152888.391,2,199-H4 6,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR-3-H
578195.825,152665.531,11.9,199-H4-63,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577946.11,153010.582,8.96,199-H4-64,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577998.259,152787.285,16.4,199 H4-65,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
578014.05,152686.66,4.7,199 H4-69,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,4,MEAN_VAL_RPT,100 HR 3-H
577804.134,152890.845,26.9,199-H4-7,_2013,ChromComb,GROUNDWATER WELL,R X,12,12,MEAN_VAL_RPT,100-HR-3-H
578003.82,152646.45,1,199-H4-70,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,3,MEAN_VAL_RPT,100-HR-3-H
578010.64,152591.53,0.36,199 H4-71,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3 H
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577239.07,152268.63,0.36,199-H4-74,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR-3 H
577212.36,152704.64,51.78,199-H4 75,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100-HR-3-H
576787.32,152976.85,81.7,199-H4 76,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100-HR-3-H
576487.79,152975.43,69.075,199 H4 77,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100 HR 3-H
576168.23,152166.12,0.36,199-H4 78,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3 H
575659.13,151989.31,0.36,199 H4 79,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3 H
575238.37,152588.16,24.28,199 H4 80,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100 HR 3 D
575236.93,153035.36,22.62,199-H4-81,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100 HR-3-D
574906.99,152677.72,22.92,199 H4 82,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100 HR-3-D
577902.58,152949.73,11.12,199-H4 84,_LOW,ChromComb,GROUNDWATER WELL,R X,3,1,MEAN_VAL_RPT,100-HR-3-H
577980.02,152880.81,25.55,199-H4-85,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3 H
577704.55,152745.65,96.4,199-H4-86,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
577923.192,152893.891,18.633333333333 3,199 H4-9,_2013,ChromComb,GROUNDWATER WELL,R-X,12,12,MEAN_VAL_RPT,100 HR-3 H
577650.08,152250.724,7.7,199-H5-1A,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-HR-3 H
578236.557,152247.63,3.99,199 H6 1,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 H
577886.5,152194.11,0.36,199-H6 2,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
578340.4,151929.35,17.2,199 H6-3,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
577771.59,151737.1,14.5,199-H6-4,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-HR-3-H
573120.65,152146.43,3.5,36-M,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 35,100 HR 3-D
573471.85,152368.72,105,38-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 30,100-HR-3-D
577033.113,153810.532,2,44-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 7,100-HR-3-H
577597.84,153493.801,3.6,45-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 11,100-HR-3-H
578193.394,152744.421,9,47-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 21,100-HR-3-H
578465.52,152420.795,8,48-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 29,100-HR-3-H
578699.755,152232.861,10.3,49-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 33,100-HR-3-H
578919.484,151586.176,2,52-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 46,100-HR-3-H
579033.518,151231.944,7.2,54-S,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 53,100-HR-3-H
576675.9,154008.65,2.225,699-100-43B,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-H
576032.4,154124.17,21.65,699-101-45,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
577221.545,150353.764,12.8,699-88-41,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
576169.25,151024.529,6.7,699-90-45,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3 H
575910.95,151156.642,8.8,699 91-46A,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-HR-3-H
575094.127,151795.301,7.6,699-93-48A,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR 3-D
577223.05,152111.68,15.15,699-94-41,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-H
576625.6,152087.9,43.1,699-94-43,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 H
576257,152556.28,11.55,699-95-45,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-H
575253.42,152323.05,22.5,699-95-48,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3 D
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573910.16,152656.22,16.55,699-96 52B,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR 3-D
577217.5,153090.38,23.6,699 97 41,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-H
576859.84,152981.3,57.2,699-97-43B,_LOW,ChromComb,GROUNDWATER WELL,R X,4,4,MEAN_VAL_RPT,100-HR-3 H
576051.7,152978.95,49.7,699 97 45,_LOW,ChromComb,GROUNDWATER WELL,R X,6,6,MEAN_VAL_RPT,100 HR 3-H
575247.59,152909.76,20.1,699-97-48B,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-D
574468.122,153122.092,21.1,699 97-51A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 D
576863.24,153371.37,55.05,699-98-43,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3 H
575726.86,153365.63,29.95,699-98-46,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
574823.369,153310.153,2,699-98-49A,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR-3-D
574339.32,153302.72,15.5,699-98-51,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
577263.99,153590.74,3.135,699-99-41,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3 H
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576458.77,153592.4,38.35,699-99-44,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
572860.651,151852.065,3.5,AT-D-1-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 40,100-HR-3-D
573105.776,152130.318,2,AT-D-2-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 36,100-HR-3-D
573233.231,152224.319,150,AT-D-3-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 34,100-HR-3-D
572992.239,152039.564,2,AT-D-4-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 38,100-HR-3-D
573934.803,152850.597,2,AT-D-5-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 20,100-HR-3-D
578069.144,152954.335,8,AT-H-1-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 17,100-HR-3-H
578109.838,152896.44,2,AT-H-2-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 18,100-HR-3-H
578142.216,152853.072,11,AT-H-3-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 19,100-HR-3-H
576390.6,154227.98,9.68,C5633,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 1,100-HR-3-H
576481.4,154179.43,8.3,C5636,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 2,100-HR-3-H
576634.08,154070.38,16.55,C5638,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 3,100-HR-3-H
576871.56,153916.62,29.7,C5641,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 5,100-HR-3-H
576960.87,153869.32,3.5,C5644,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 6,100-HR-3-H
577157.45,153736.67,3.5,C5674,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 8,100-HR-3-H
577278.65,153653.5,9.68,C5678,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 9,100-HR-3-H
577409.4,153593.79,5.2,C5680,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 10,100-HR-3-H
577699.79,153338.71,9,C5682,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 13,100-HR-3-H
572920.42,151926.86,2,C6272,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 39,100-HR-3-D
573337.49,152284.93,2,C6275,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 32,100-HR-3-D
573533.98,152428.19,2,C6278,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 28,100-HR-3-D
574056.82,153353.31,2,C6281,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 12,100-HR-3-D
576037.53,154364.5,4.5,C6286,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 0,100-HR-3-H
576781.62,153965.55,13.4,C6287,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 4,100-HR-3-H
577793.47,153266.01,2,C6290,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 14,100-HR-3-H
578035.06,152996.7,2,C6293,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 16,100-HR-3-H
578313.22,152575.13,10.5,C6297,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 24,100-HR-3-H
578585.17,152324.65,2.3,C6300,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 31,100-HR-3-H
572046.29,150949.98,5,C6334,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 57,100-HR-3-D
572077.51,151003.82,5.5,C7646,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 56,100-HR-3-D
578271.58,152659.02,33.05,C7650,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 23,100-HR-3-H
577548,152531,20,CP_2013_35,SOFTDATA,ChromComb,NA,NA,NA,NA,SoftData Type 3,
573819.657,152683.584,6.1,DD-12-4,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 22,100-HR-3-D
573700.597,152547.317,18.4,DD-15-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 25,100-HR-3-D
573650.431,152516.128,13.6,DD-16-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 26,100-HR-3-D
572532.209,151530.033,3.5,DD-41-2,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 47,100-HR-3-D
572411.362,151396.947,7.34,DD-44-4,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 50,100-HR-3-D
572210.802,151163.304,44,DD-49-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 54,100-HR-3-D
572172.166,151120.007,9,DD-50-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 55,100-HR-3-D
572716.336,151730.81,3.5,Redox-1-6.0,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 42,100-HR-3-D
572636.662,151687.803,6.2,Redox-2-6.0,_LOW,ChromComb,AQUIFER TUBE,R-X,2,1,MEAN_VAL_RPT + MAX OF GROUP 43,100-HR-3-D
572583.206,151603.027,3.5,Redox-3-4.6,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 45,100-HR-3-D
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100-HR-3-H_ChromComb_HI.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
574470.87,153465.19,1.9,199-D2-10,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573328.16,151120.73,13.4,199-D2-11,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
574343.45,153300.01,1.9,199-D2-12,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573000.21,151119.86,21.45,199-D2-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR-3-D
572453.955,151165.653,3.5,199-D3-2,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572787.66,150994.54,7.75,199-D3-5,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572800.1,151425.94,17.2,199-D4-101,_2013,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100 HR-3-D
572665.855,151424.474,4.165,199-D4-13,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572839.812,151641.64,5.6,199 D4-14,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR-3-D
572936.636,151424.862,13.25,199-D4-15,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572559.349,151282.037,5.5,199-D4-19,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572794.042,151257.474,129,199-D4-20,_2013,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-D
572788.453,151539.293,270,199-D4-22,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572672.455,151592.87,2.4,199-D4-23,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR-3-D
572711.441,151476.238,7.2,199-D4-25,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572712.326,151488.878,3.5,199-D4-26,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-D
572724.228,151493.48,4.4,199 D4-27,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572749.468,151527.997,18.05,199-D4-31,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572790.871,151573.746,10,199-D4-32,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 D
572804.601,151590.028,24,199 D4-34,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100 HR-3-D
572818.193,151606.215,164.5,199-D4-36,_2013,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-D
572671.317,151537.856,3.9375,199-D4-38,_HIGH,ChromComb,GROUNDWATER WELL,R-X,8,7,MEAN_VAL_RPT,100-HR-3-D
572747.453,151650.84,22.7,199-D4-39,_HIGH,ChromComb,GROUNDWATER WELL,R X,7,7,MEAN_VAL_RPT,100-HR-3-D
572754.612,151571.609,12.8,199-D4-4,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572881.3,151703.459,5.37,199-D4-48,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572740.543,151556.5,24.9,199-D4-5,_2013,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-HR-3-D
572733.34,151577.919,10.4,199-D4-6,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572619.521,151351.066,2,199-D4-62,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR-3-D
572760.866,151551.254,2,199-D4-7,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR-3-D
572511.284,151218.263,6.155,199-D4-78,_2013,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-D
572859.432,151723.418,6.92857142857143,199-D4-83,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
572568.043,151433.521,15.9714285714286,199-D4-84,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR 3-D
572486.163,151324.202,7.58571428571429,199-D4-85,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
572389.064,151202.144,6.35,199-D4-86,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572714.05,151486.31,3.5,199-D4-92,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,0,MEAN_VAL_RPT,100-HR-3-D
572710.39,151491.2,12.25,199 D4-93,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572612.82,151226.7,19.2333333333333,199-D4-95,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR 3-D
572777.03,151519.78,70.1222222222222,199-D4-96,_HIGH,ChromComb,GROUNDWATER WELL,R-X,9,9,MEAN_VAL_RPT,100-HR-3-D
572906.23,151625.33,40.2,199-D4-97,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572574.52,151481.65,4.32857142857143,199-D4-98,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100 HR 3-D
572527.36,151377.08,4.68571428571429,199-D4-99,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR 3 D
572943.04,151521.52,56.8714285714286,199-D5-101,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573505.87,151460.87,1324,199-D5-103,_2013,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573265.48,151422.43,3775,199-D5-104,_HIGH,ChromComb,GROUNDWATER WELL,R-X,32,32,MEAN_VAL_RPT,100-HR-3-D
573503.74,151597.97,29.66,199-D5-106,_2013,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
572932.37,151283.14,6.05,199 D5-107,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572923.34,151222.9,5,199-D5-108,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR-3-D
572917.37,151285.57,3.5,199-D5-109,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-D
572931.57,151277.61,3.5,199-D5-110,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100 HR 3-D
572918.04,151223.75,5,199-D5-114,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-HR-3-D
572923.15,151221.12,13.45,199-D5-115,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
573824.21,151639.41,39.3,199 D5-123,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573667.39,151746.18,288,199-D5-125,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573705.71,151843.28,377,199-D5-126,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572992.26,151428.31,47.2428571428571,199-D5-127,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573622.4,151237.35,1.9,199-D5-128,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573735.5,151465.13,1.9,199-D5-129,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573535.527,151955.183,671.333333333333,199-D5-13,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
574039.2,151928.51,57.7142857142857,199-D5-130,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573684.39,152006.75,403,199-D5-131,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100 HR-3-D
573875.35,151586.87,38.6,199 D5-132,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573731.55,151497.37,23.6,199-D5-133,_HIGH,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-D
573789.632,151787.99,108.45,199-D5-14,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573791.87,151563.26,29,199-D5-142,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-D
573701.53,151784.26,237.666666666667,199-D5-143,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
573215.62,151396.28,99.9,199 D5-145,_HIGH,ChromComb,GROUNDWATER WELL,C,1,1,MAX_VAL_RPT,100-HR-3-D
573219.79,151345.59,53.6,199 D5 146,_HIGH,ChromComb,GROUNDWATER WELL,C,1,1,MAX_VAL_RPT,100 HR-3-D
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572993.13,151380.78,30.7,199-D5-147,_HIGH,ChromComb,GROUNDWATER WELL,C,1,1,MAX_VAL_RPT,100-HR-3-D
573361.48,151083.48,3.8,199-D5-148,_HIGH,ChromComb,GROUNDWATER WELL,C,1,1,MAX_VAL_RPT,100-HR-3-D
573738.61,151673.75,44.15,199-D5-15,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573329.77,151992.82,20.4,199-D5-153,_2013,ChromComb,GROUNDWATER WELL,C,4,1,MAX_VAL_RPT,100-HR-3-D
573632.26,151831.74,317,199-D5-154,_2013,ChromComb,GROUNDWATER WELL,C,5,4,MAX_VAL_RPT,100-HR-3-D
573917.45,151652.51,56.65,199-D5-16,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573730.52,151322.83,23.45,199-D5-17,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573861.7,151325.18,26.6,199-D5-18,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573849.12,151243.19,9.9,199-D5-19,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573239.97,152030.15,22.7714285714286,199-D5-20,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573372.04,151903.39,231.285714285714,199-D5-32,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573095.03,151714.54,8,199-D5-33,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573240.42,151554.12,82.9,199-D5-34,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572909.823,151746.32,11.5,199-D5-36,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
573092.236,151916.365,11.55,199-D5-37,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572996.824,151545.593,11.9,199-D5-38,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573142.858,151428.428,250.894736842105,199-D5-39,_HIGH,ChromComb,GROUNDWATER WELL,R-X,19,19,MEAN_VAL_RPT,100-HR-3-D
573003.258,151272.017,23.3,199-D5-40,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573358.16,151792.191,7,199-D5-41,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573479.771,151622.674,1.9,199-D5-42,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573179.976,151269.43,56.9,199-D5-43,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572993.581,151835.736,1.9,199-D5-44,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573131.93,152009.82,12.2285714285714,199-D5-92,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573350.22,151459.64,40.8,199-D5-93,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573250.11,151302.47,26.2916666666667,199-D5-97,_HIGH,ChromComb,GROUNDWATER WELL,R-X,12,12,MEAN_VAL_RPT,100-HR-3-D
574129.87,151691.71,1.9,199-D6-1,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574544.61,151970.2,1.9,199-D6-2,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574159.09,151643.85,22.4,199-D6-3,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
574151.38,152363.41,26.8428571428571,199-D7-3,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
574377.07,152369.64,1.9,199-D7-4,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574434.31,152678.72,1.9,199-D7-5,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574429.2,152980.43,22.4285714285714,199-D7-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
574069.46,152262.43,17,199-D8-101,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573447.185,152090.212,242.5,199-D8-4,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573537.146,152243.497,6.45,199-D8-5,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573889.86,152452.26,15.6666666666667,199-D8-53,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
573620.954,152364.345,1.9,199-D8-55,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573434.693,152060.822,143.8,199-D8-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573711.67,152427.1,11.74,199-D8-68,_HIGH,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573843.61,152552.201,17.5571428571429,199-D8-69,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573942.097,152508.741,17.1666666666667,199-D8-70,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
573837.097,152429.388,37.7,199-D8-71,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573388.7,152167.38,54.2142857142857,199-D8-73,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573292.33,152141.26,50.9142857142857,199-D8-88,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573478.64,152249.65,44.7,199-D8-89,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573948.64,152646.23,22.3875,199-D8-90,_HIGH,ChromComb,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,100-HR-3-D
574036.89,152741.44,21.6166666666667,199-D8-91,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
574148.7,153085.8,1.9,199-D8-93,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574047.82,152949.53,1.9,199-D8-94,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573611.96,152160.61,524.142857142857,199-D8-95,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573706,152152.24,400.714285714286,199-D8-96,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
573859.56,152087.42,307.857142857143,199-D8-97,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
574013.12,152123.02,28.4142857142857,199-D8-98,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
574006.77,152364.37,1.9,199-D8-99,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
576702.31,153384.49,24.7428571428571,199-H1-1,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576451.07,153378.26,40.2142857142857,199-H1-2,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
575706.04,154183.61,0.36,199-H1-20,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
575896.84,154163.8,0.36,199-H1-21,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
576279.64,154069.97,5.71428571428571,199-H1-25,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576403.86,154024.21,5.97142857142857,199-H1-27,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576767.07,153766,12.5142857142857,199-H1-32,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576833.29,153716.23,9.05,199-H1-33,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-H
576883.13,153667.06,6.32857142857143,199-H1-34,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576958.26,153628.14,7.32857142857143,199-H1-35,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
576885.62,153486.51,38.9,199-H1-36,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577106.92,153641.63,4.45714285714286,199-H1-37,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577161,153555.01,4.9,199-H1-38,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577223.54,153533.4,2.54285714285714,199-H1-39,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,6,MEAN_VAL_RPT,100-HR-3-H
575826.78,153366.87,39.8285714285714,199-H1-4,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577279.34,153500.19,2.11428571428571,199-H1-40,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577127.18,153391.65,17.28,199-H1-42,_HIGH,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577213.74,153384.28,10.2428571428571,199-H1-43,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577240.96,153062.41,3.65714285714286,199-H1-45,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,6,MEAN_VAL_RPT,100-HR-3-H
574850.72,153090.3,17.92,199-H1-5,_HIGH,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
576037.81,153745.74,21.9714285714286,199-H1-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
577629.6,153172.1,2.3,199-H1-7,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
577410.36,152978.49,0.36,199-H3-25,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577440.83,152846.5,0.36,199-H3-26,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577567.05,152811.14,0.36,199-H3-27,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577624.608,152750.068,2,199-H3-2A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-H
577562.091,152363.166,9.15,199-H3-3,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
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577544.287,152293.21,7.08571428571429,199 H3 4,_HIGH,ChromComb,GROUNDWATER WELL,R X,7,7,MEAN_VAL_RPT,100 HR-3-H
577454.697,152287.496,3.25,199 H3 5,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3 H
578266.47,152425.33,3.95,199-H3-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3 H
577931.74,152279.97,2,199-H3-7,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100 HR-3-H
577827.209,153155.813,5.65,199-H4 10,_HIGH,ChromComb,GROUNDWATER WELL,R X,2,1,MEAN_VAL_RPT,100-HR-3-H
578141.906,152728.433,9.45,199-H4-11,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
578009.151,152912.729,4.3,199-H4-12A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-H
578219.304,152595.273,6.26666666666667,199-H4-13,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-H
577803.747,152752.359,6.3,199-H4-14,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-H
577904.313,153053.42,12.3142857142857,199-H4-15A,_HIGH,ChromComb,GROUNDWATER WELL,R X,7,7,MEAN_VAL_RPT,100 HR 3-H
577981.91,152591.573,2,199-H4-16,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-H
577779.175,153037.635,0.36,199-H4 17,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
578015.292,152756.478,0.36,199-H4 18,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR-3-H
577940.493,152858.537,27.95,199-H4 3,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR 3 H
578060.859,152853.956,4.50769230769231,199 H4 4,_HIGH,ChromComb,GROUNDWATER WELL,R X,13,13,MEAN_VAL_RPT,100 HR 3 H
578156.386,152433.394,2.35,199-H4 45,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-H
577883.861,152439.868,2,199 H4 46,_HIGH,ChromComb,GROUNDWATER WELL,R X,2,0,MEAN_VAL_RPT,100-HR-3 H
577792.658,152620.211,2.65166666666667,199-H4-48,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,4,MEAN_VAL_RPT,100 HR-3-H
577713.83,152445.154,11.7,199-H4-49,_HIGH,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-H
577944.937,152939.783,13.15,199-H4-5,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
577856.1,152837.4,9,199-H4-53,_HIGH,ChromComb,VADOSE WELL,R-X,1,1,MEAN_VAL_RPT,100-HR 3-H
577585.316,152888.391,2,199-H4-6,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-H
578185.825,152665.531,9.71666666666667,199-H4-63,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-H
577946.11,153010.582,6.65714285714286,199 H4-64,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100 HR-3-H
577998.259,152787.285,7.45,199-H4-65,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
578014.05,152686.66,3.77142857142857,199-H4-68,_HIGH,ChromComb,GROUNDWATER WELL,R X,7,7,MEAN_VAL_RPT,100 HR 3 H
577804.134,152890.845,28.8375,199-H4 7,_HIGH,ChromComb,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,100-HR-3 H
578003.82,152646.45,2.5,199-H4-70,_HIGH,ChromComb,GROUNDWATER WELL,R X,6,4,MEAN_VAL_RPT,100 HR-3-H
578010.64,152581.53,0.36,199 H4-71,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR-3-H
578036.28,152500.14,0.36,199 H4 72,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR-3 H
577940.58,152369.98,0.36,199-H4-73,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR 3-H
577239.07,152268.83,0.36,199 H4-74,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR 3 H
577212.36,152704.64,51.7571428571429,199 H4-75,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100 HR 3-H
576757.32,152976.85,59.75,199-H4 76,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3 H
576457.79,152975.43,65.7875,199-H4 77,_HIGH,ChromComb,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,100-HR-3-H
576168.23,152166.12,0.36,199-H4-78,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR-3-H
575659.13,151989.31,0.36,199-H4-79,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
575236.97,152568.16,23.3,199-H4-80,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
575236.93,153035.36,22.0714285714286,199-H4-81,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100 HR 3-D
574906.99,152677.72,20.9857142857143,199-H4-82,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100 HR 3-D
577902.58,152848.73,25.18,199 H4-84,_HIGH,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577980.02,152880.81,25.55,199-H4-85,_2013,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3 H
577704.55,152745.65,96.4,199-H4-86,_2013,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR 3 H
577923.192,152893.891,22.4333333333333,199-H4-9,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100 HR 3 H
577650.08,152257.724,8.45,199-H5 1A,_HIGH,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100 HR 3 H
578236.557,152247.63,5.3,199-H6-1,_HIGH,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-HR-3-H
577886.5,152194.11,0.36,199-H6-2,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR 3 H
578340.4,151929.35,17.4,199 H6 3,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
577771.59,151737.1,18.4,199-H6-4,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
573129.65,152146.43,3.5,36-M,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 35,100-HR-3-D
573471.85,152368.72,105,38 M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 39,100 HR-3-D
577033.113,153810.532,2,44-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT - MAX OF GROUP 7,100-HR-3-H
577597.84,153493.801,3.6,45-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 11,100-HR-3-H
578193.394,152744.421,9,47-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 21,100-HR-3-H
578465.52,152420.795,8,48-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 29,100-HR-3-H
578699.755,152232.861,10.3,49-D,_LOW,ChromComb,AQUIFER TUBE,R X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 33,100-HR-3-H
578919.484,151586.176,2,52-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 46,100-HR-3-H
579033.518,151231.944,7.2,54-S,_LOW,ChromComb,AQUIFER TUBE,R X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 53,100-HR-3-H
576675.9,154008.65,3.5,699 100 43B,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,0,MEAN_VAL_RPT,100-HR-3-H
576032.4,154124.17,7.29166666666667,699 101-45,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,5,MEAN_VAL_RPT,100 HR 3 H
577221.545,150333.764,12.8,699-88-41,_2013,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-HR-3 H
576169.25,151024.529,6.7,699-90-45,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
575910.95,151156.642,8.8,699-91-46A,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
575094.127,151795.301,7.45,699-93-48A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
577223.05,152111.68,15.1,699-94-41,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
576625.6,152087.9,42.85,699-94-43,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
576257,152556.28,17.6,699-95-45,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
575253.42,152323.05,18.15,699-95-48,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
574439.5,152528.59,17.9,699-95-51,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
576761.453,152605.307,63.1,699-96-43,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
573910.16,152656.22,23.4,699 96-52B,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
577217.5,153090.38,12.8333333333333,699 97 41,_HIGH,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR 3 H
576859.64,152981.3,57.2,699-97-43B,_2013,ChromComb,GROUNDWATER WELL,R X,4,4,MEAN_VAL_RPT,100 HR 3-H
576051.7,152978.95,40.7,699 97 45,_2013,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100 HR-3 H
575247.59,152909.76,20.1,699-97-48B,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 D
574468.122,153122.092,15.5,699 97 51A,_HIGH,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR 3 D
576863.24,153371.37,55.05,699 98-43,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR 3-H
575726.86,153365.63,35.1,699 98-46,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
574823.366,153310.153,2.45,699-98-49A,_HIGH,ChromComb,GROUNDWATER WELL,R X,2,1,MEAN_VAL_RPT,100-HR-3 D
574339.32,153302.71,9.85,699-98-51,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
577283.99,153590.74,2.55,699-99 41,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-H
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576458.77,153592.4,33.15,699-99-44,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
572860.651,151852.065,3.5,AT-D-1-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 40,100-HR-3-D
573105.776,152130.318,2,AT-D-2-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 36,100-HR-3-D
573233.231,152224.319,150,AT-D-3-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 34,100-HR-3-D
572992.239,152039.564,2,AT-D-4-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 38,100-HR-3-D
573934.803,152850.597,2,AT-D-5-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 20,100-HR-3-D
578069.144,152954.335,8,AT-H-1-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 17,100-HR-3-H
578109.838,152896.44,2,AT-H-2-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 18,100-HR-3-H
578142.216,152853.072,11,AT-H-3-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 19,100-HR-3-H
576390.6,154227.98,9.68,C5633,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 1,100-HR-3-H
576481.4,154179.43,8.3,C5636,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 2,100-HR-3-H
576634.08,154070.38,16.55,C5638,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 3,100-HR-3-H
576871.56,153916.62,29.7,C5641,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 5,100-HR-3-H
576960.87,153869.32,3.5,C5644,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 6,100-HR-3-H
577157.45,153736.67,3.5,C5674,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 8,100-HR-3-H
577278.65,153653.5,9.68,C5678,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 9,100-HR-3-H
577409.4,153593.79,5.2,C5680,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 10,100-HR-3-H
577699.79,153338.71,9,C5682,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 13,100-HR-3-H
572270.42,151242.23,9,C6267,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 52,100-HR-3-D
572335.82,151323.2,2,C6269,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 51,100-HR-3-D
572920.42,151926.86,2,C6272,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 39,100-HR-3-D
573337.49,152284.93,2,C6275,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 32,100-HR-3-D
573533.98,152428.19,2,C6278,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 28,100-HR-3-D
574056.82,153353.31,2,C6281,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 12,100-HR-3-D
576037.53,154364.5,4.5,C6286,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 0,100-HR-3-H
576781.62,153965.55,13.4,C6287,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 4,100-HR-3-H
577793.47,153266.01,2,C6290,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 14,100-HR-3-H
578035.06,152996.7,2,C6293,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 16,100-HR-3-H
578313.22,152575.13,10.5,C6297,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 24,100-HR-3-H
578585.17,152324.65,2.3,C6300,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 31,100-HR-3-H
572046.29,150949.98,5,C6334,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 57,100-HR-3-D
572077.51,151003.82,5.5,C7646,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 56,100-HR-3-D
578271.58,152659.02,33.05,C7650,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 23,100-HR-3-H
577548,152531,15,CP_2013_35,SOFTDATA,ChromComb,NA,NA,NA,NA,SoftData Type 3,
573819.657,152683.584,6.1,DD-12-4,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 22,100-HR-3-D
573700.597,152547.317,18.4,DD-15-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 25,100-HR-3-D
573650.431,152516.128,13.6,DD-16-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 26,100-HR-3-D
572606.547,151625.856,2,DD-39-1,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 44,100-HR-3-D
572532.894,151530.892,2,DD-41-1,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 47,100-HR-3-D
572485.319,151492.503,2,DD-42-2,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 48,100-HR-3-D
572450.504,151443.236,2,DD-43-2,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 49,100-HR-3-D
572412.676,151394.279,2,DD-44-3,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 50,100-HR-3-D
572210.802,151163.304,44,DD-49-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 54,100-HR-3-D
572172.166,151120.007,9,DD-50-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 55,100-HR-3-D
572716.336,151730.81,2,Redox-1-3.3,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 42,100-HR-3-D
572636.662,151687.803,7.8,Redox-2-6.0,_HIGH,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 43,100-HR-3-D
572583.206,151603.027,3.5,Redox-3-4.6,_HIGH,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 45,100-HR-3-D
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100-HR-3-H_ChromComb_LO.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 MINTERVAL INTERVALS
32.809   0.25    7.83E 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
XCOORDS,YCOORDS,MAEVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
574470.87,153465.19,1.9,199-D2 10,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR 3 D
573328.16,151120.73,14.2,199-D2-11,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-D
574343.45,153300.01,1.9,199-D2 12,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3 D
573000.21,151119.86,19.1,199 D2-6,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 D
572453.955,151165.653,9.9,199-D3 2,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572787.66,150994.54,12.55,199-D3-5,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572800.1,151425.94,15,199-D4-101,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
572665.855,151424.474,4.165,199-D4-13,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572839.812,151641.64,25.9571428571429,199-D4-14,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-HR-3-D
572936.636,151424.862,13.25,199-D4-15,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-D
572559.349,151282.037,1.185,199-D4-19,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572794.062,151257.474,129,199-D4 20,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572788.453,151539.293,148.666666666667,199-D4-22,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR 3-D
572672.455,151592.87,2.775,199-D4-23,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3-D
572711.441,151476.238,25.15,199-D4-25,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-D
572712.326,151488.876,1.675,199-D4-26,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR 3-D
572724.228,151493.48,13,199 D4 27,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR 3 D
572749.468,151527.997,18.05,199-D4-31,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3 D
572790.871,151573.746,10,199 D4-32,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-D
572804.601,151590.028,107.75,199 D4 34,_LOW,ChromComb,GROUNDWATER WELL,P-X,4,4,MEAN_VAL_RPT,100 HR-3-D
572818.193,151606.215,164.5,199-D4 36,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR 3 D
572671.317,151537.856,11.17,199-D4-38,_LOW,ChromComb,GROUNDWATER WELL,R X,6,6,MEAN_VAL_RPT,100-HR 3 D
572747.455,151650.84,45.2333333333333,199-D4 39,_LOW,ChromComb,GROUNDWATER WELL,R X,6,6,MEAN_VAL_RPT,100 HR 3 D
572754.612,151571.609,12.8,199 D4 4,_LOW,ChromComb,GROUNDWATER WELL,P-X,1,1,MEAN_VAL_RPT,100-HR-3 D
572881.3,151703.459,5.37,199 D4-48,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100 HR-3-D
572740.543,151556.5,24.9,199 D4-5,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100 HR 3-D
572733.34,151577.919,10.4,199-D4 6,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100 HR 3 D
572619.521,151351.066,9.99666666666667,199-D4-62,_LOW,ChromComb,GROUNDWATER WELL,R X,3,3,MEAN_VAL_RPT,100 HR 3-D
572760.866,151551.254,2,199-D4 7,_LOW,ChromComb,GROUNDWATER WELL,R X,1,0,MEAN_VAL_PPT,100 HR-3-D
572511.284,151218.263,6.155,199 D4-78,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3 D
572859.432,151723.418,12.4,199 D4 83,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3 D
572568.043,151433.521,25.5,199-D4-84,_LOW,ChromComb,GROUNDWATER WELL,R X,4,4,MEAN_VAL_RPT,100 HR-3-D
572486.163,151324.202,7.25,199-D4 85,_LOW,ChromComb,GROUNDWATER WELL,R X,4,4,MEAN_VAL_RPT,100-HR-3-D
572389.064,151202.144,11.85,199-D4-86,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572714.05,151486.31,1.765,199-D4-92,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR 3 D
572710.39,151491.2,25,199-D4-93,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572612.82,151226.7,21.4833333333333,199-D4-95,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
572777.03,151519.78,57.3166666666667,199-D4-96,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
572906.23,151625.33,14.3666666666667,199-D4-97,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR 3-D
572574.52,151481.65,14.15,199-D4-98,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
572527.36,151377.08,3.45166666666667,199-D4-99,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
572943.04,151521.52,45.75,199-D5-101,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
573505.87,151460.87,1324,199-D5-103,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573265.48,151422.43,3486,199-D5-104,_LOW,ChromComb,GROUNDWATER WELL,R-X,14,14,MEAN_VAL_RPT,100-HR-3-D
573503.74,151597.97,29.66,199-D5-106,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3 D
572932.37,151283.14,5.756,199-D5-107,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572923.34,151222.9,16.35,199-D5-108,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR-3 D
572917.37,151285.57,1.307,199-D5 109,_LOW,ChromComb,GROUNDWATER WELL,R X,2,1,MEAN_VAL_RPT,100-HR-3-D
572931.57,151277.61,1.64,199-D5-110,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR 3 D
572918.04,151223.75,13.75,199 D5-114,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100 HR-3-D
572923.15,151221.12,18.5,199-D5-115,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR 3-D
573824.21,151639.41,39.25,199-D5-123,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100 HR-3 D
573667.39,151746.18,258,199-D5-125,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100 HR-3-D
573705.71,151843.28,351,199-D5 126,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3 D
572992.26,151428.31,40.96,199-D5-127,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
573622.4,151237.35,1.9,199 D5-128,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573735.5,151465.13,1.9,199 D5-129,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR 3 D
573535.527,151955.183,605.25,199-D5 13,_LOW,ChromComb,GROUNDWATER WELL,R X,4,4,MEAN_VAL_RPT,100 HR 3 D
574039.2,151928.51,44.12,199 D5-130,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100-HR 3 D
573684.39,152006.75,312.8,199-D5 131,_LOW,ChromComb,GROUNDWATER WELL,P-X,5,5,MEAN_VAL_RPT,100-HR-3 D
573875.35,151586.87,33,199-D5-132,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100 HR-3-D
573731.55,151497.37,18.2,199 D5-133,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 D
573789.632,151787.99,92.75,199-D5 14,_LOW,ChromComb,GROUNDWATER WELL,R-X,12,12,MEAN_VAL_RPT,100 HR 3 D
573791.87,151563.26,21.05,199-D5-142,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573701.53,151784.26,260,199-D5 143,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573215.62,151396.28,79.6,199 D5-145,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR 3-D
573219.73,151345.59,28,199 D5 146,_LOW,ChromComb,GROUNDWATER WELL,P-X,1,1,MEAN_VAL_RPT,100-HR 3-D
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573738.61,151673.75,27.85,199-D5-15,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573329.77,151992.82,20.4,199-D5-153,_LOW,ChromComb,GROUNDWATER WELL,C,4,1,MAX_VAL_RPT,100-HR-3-D
573632.26,151831.74,317,199-D5-154,_LOW,ChromComb,GROUNDWATER WELL,C,5,4,MAX_VAL_RPT,100-HR-3-D
573917.45,151652.51,63.2,199-D5-16,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573730.52,151322.83,23.45,199-D5-17,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573861.7,151325.18,21.5,199-D5-18,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573849.12,151243.19,9.9,199-D5-19,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573239.97,152030.15,22.5666666666667,199-D5-20,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
573372.04,151903.39,239.166666666667,199-D5-32,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
573095.03,151714.54,9.9,199-D5-33,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573240.42,151554.12,216,199-D5-34,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572909.823,151746.32,12.7,199-D5-36,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573092.236,151916.365,12.45,199-D5-37,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572996.824,151545.593,13.3,199-D5-38,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
573142.858,151428.428,184,199-D5-39,_LOW,ChromComb,GROUNDWATER WELL,R-X,10,10,MEAN_VAL_RPT,100-HR-3-D
573003.258,151272.017,21.5,199-D5-40,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573358.16,151792.191,7,199-D5-41,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
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574159.09,151643.85,12.9333333333333,199-D6-3,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
574151.38,152363.41,22.94,199-D7-3,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
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574069.46,152262.43,22.1,199-D8-101,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573447.185,152090.212,150,199-D8-4,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573537.146,152243.497,8.66,199-D8-5,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573889.86,152452.26,15.5666666666667,199-D8-53,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
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573942.097,152508.741,19.15,199-D8-70,_2013,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
573837.097,152429.388,30.8,199-D8-71,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
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573292.33,152141.26,117.2,199-D8-88,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
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574036.89,152741.44,24.58,199-D8-91,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
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573859.56,152087.42,270.2,199-D8-97,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
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574006.77,152364.37,1.9,199-D8-99,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
576702.31,153384.49,35.36,199-H1-1,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
576451.07,153378.26,45.2,199-H1-2,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-H
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576279.64,154069.97,15.26,199-H1-25,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
576403.86,154024.21,21.525,199-H1-27,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-H
576767.07,153766,17,199-H1-32,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
576833.29,153716.23,16,199-H1-33,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
576883.13,153667.06,15.6,199-H1-34,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
576958.26,153628.14,17.42,199-H1-35,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
576885.62,153486.51,44.7,199-H1-36,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577106.92,153641.63,7.73333333333333,199-H1-37,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-H
577161,153555.01,6.8,199-H1-38,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-H
577223.54,153533.4,2,199-H1-39,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
575826.78,153366.87,36.3333333333333,199-H1-4,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-H
577279.34,153500.19,3.475,199-H1-40,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-H
577127.18,153391.65,32.84,199-H1-42,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577213.74,153384.28,31.46,199-H1-43,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577240.96,153062.41,2.54,199-H1-45,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,4,MEAN_VAL_RPT,100-HR-3-H
574850.72,153090.3,20.5,199-H1-5,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
576037.81,153745.74,24.475,199-H1-6,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-H
577629.6,153172.1,1.60333333333333,199-H1-7,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100-HR-3-H
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577454.697,152287.496,2.1,199 H3 5,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100 HR-3-H
578266.47,152425.33,2.814,199 H3-6,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3 H
577931.74,152279.97,1.43333333333333,199 H3-7,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100 HR 3-H
577827.209,153155.813,2.665,199 H4-10,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
578141.906,152728.433,7.5,199 H4-11,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-H
578009.151,152912.729,22.0666666666667,199-H4-12A,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-H
578219.304,152595.273,4.445,199-H4-13,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
577803.747,152752.359,6.3,199-H4-14,_2013,ChromComb,GROUNDWATER WELL,R X,2,1,MEAN_VAL_RPT,100-HR-3-H
577904.313,153053.42,18.44,199-H4-15A,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR 3 H
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577779.175,153037.635,0.36,199-H4-17,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR 3 H
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578060.859,152853.956,11.7,199 H4 4,_LOW,ChromComb,GROUNDWATER WELL,R X,3,3,MEAN_VAL_RPT,100 HR 3 H
578156.386,152433.394,3.64,199 H4 45,_LOW,ChromComb,GROUNDWATER WELL,R X,4,4,MEAN_VAL_RPT,100-HR 3 H
577883.861,152439.868,1.286,199-H4-46,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-HR 3 H
577792.658,152620.211,3.39777777777778,199-H4 48,_2013,ChromComb,GROUNDWATER WELL,R X,9,7,MEAN_VAL_RPT,100 HR 3-H
577715.83,152445.154,10.4,199 H4-49,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-HR-3 H
577944.937,152939.783,8.96,199-H4-5,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 H
577856.1,152837.4,9,199-H4-53,_2013,ChromComb,VADOSE WELL,R X,1,1,MEAN_VAL_RPT,100-HR-3-H
577585.316,152888.391,2,199-H4-6,_LOW,ChromComb,GROUNDWATER WELL,R X,1,0,MEAN_VAL_RPT,100-HR-3-H
578185.825,152665.531,11.9,199-H4-63,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-H
577946.11,153010.582,8.96,199 H4-64,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100-HR-3 H
577999.259,152787.285,16.4,199 H4-65,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3 H
578014.05,152686.66,4.7,199 H4-69,_LOW,ChromComb,GROUNDWATER WELL,R X,5,4,MEAN_VAL_RPT,100 HR-3-H
577804.134,152890.845,26.9,199-H4-7,_2013,ChromComb,GROUNDWATER WELL,R-X,12,12,MEAN_VAL_RPT,100-HR 3 H
578003.82,152646.45,1,199-H4-70,_LOW,ChromComb,GROUNDWATER WELL,R X,5,3,MEAN_VAL_RPT,100-HR 3 H
578010.64,152581.53,0.36,199 H4 71,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR-3 H
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577239.07,152268.83,0.36,199-H4-74,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100 HR 3-H
577212.36,152704.64,51.78,199 H4-75,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100 HR 3 H
576787.32,152976.85,61.7,199 H4-76,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100 HR-3-H
576487.79,152975.43,68.075,199-H4-77,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3 H
576168.23,152166.12,0.36,199-H4-78,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
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575236.93,153035.36,22.62,199 H4-81,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
574906.99,152677.72,22.92,199-H4-82,_LOW,ChromComb,GROUNDWATER WELL,R X,5,5,MEAN_VAL_RPT,100-HR-3 D
577902.58,152848.73,11.12,199 H4-84,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100-HR 3 H
577980.02,152880.81,25.55,199 H4-85,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
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577650.08,152257.724,7.7,199 H5 1A,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100-HR-3-H
578236.557,152247.63,3.99,199 H6-1,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR 3 H
577886.5,152194.11,0.36,199-H6 2,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-HR 3-H
578340.4,151929.35,17.2,199-H6 3,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100 HR 3 H
577771.59,151737.1,14.5,199-H6 4,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR 3-H
573120.65,152146.43,3.5,36-M,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 35,100 HR-3-D
573471.85,152368.72,105,38-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 30,100-HR-3-D
577033.113,153810.532,2,44-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 7,100-HR-3-H
577597.84,153493.801,3.6,45-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 11,100-HR-3-H
578193.394,152744.421,9,47-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 21,100-HR-3-H
578465.52,152420.795,8,48-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 29,100 HR-3-H
578699.755,152232.861,10.3,49 D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 33,100-HR-3 H
578919.484,151586.176,2,52-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 46,100-HR-3-H
579033.518,151231.944,7.2,54 S,_LOW,ChromComb,AQUIFER TUBE,R X,1,1,MEAN_VAL_RPT + MAX OF GROUP 53,100-HR-3 H
576675.9,154008.65,2.225,699-100-43B,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100 HR 3-H
576032.4,154124.17,21.65,699-101 45,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100 HR-3-H
577221.545,150333.764,12.8,699 88-41,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100 HR-3 H
576169.25,151024.529,6.7,699-90 45,_LOW,ChromComb,GROUNDWATER WELL,R X,1,1,MEAN_VAL_RPT,100 HR-3-H
575910.95,151156.642,8.8,699-91 46A,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100 HR-3-H
575094.127,151795.301,7.6,699-93-48A,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3 D
577223.05,152111.68,15.15,699-94-41,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-H
576625.6,152087.9,43.1,699-94-43,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
576257,152556.28,11.55,699-95-45,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
575253.42,152323.05,22.5,699-95-48,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
574439.5,152528.59,19.85,699-95-51,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR-3-D
576761.453,152605.307,63.1,699-96-43,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-H
573910.16,152656.22,16.55,699-96-52B,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3 D
577217.5,153090.38,23.6,699-97 41,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR-3-H
576859.84,152981.3,57.2,699-97-43B,_LOW,ChromComb,GROUNDWATER WELL,R X,4,4,MEAN_VAL_RPT,100-HR-3-H
576051.7,152978.95,40.7,699 97 45,_LOW,ChromComb,GROUNDWATER WELL,R X,6,6,MEAN_VAL_RPT,100-HR-3-H
575247.59,152909.76,20.1,699 97 48B,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100 HR 3 D
574468.122,153122.092,21.1,699 97-51A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR-3 D
576863.24,153371.37,55.05,699-98-43,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100 HR-3-H
575726.86,153365.63,29.95,699-98-46,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100 HR-3-H
574823.368,153310.153,2,699-98-49A,_LOW,ChromComb,GROUNDWATER WELL,R X,1,0,MEAN_VAL_RPT,100-HR 3-D
574339.32,153302.71,15.5,699-98-51,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
577283.99,153590.74,3.135,699 99-41,_LOW,ChromComb,GROUNDWATER WELL,R X,2,2,MEAN_VAL_RPT,100-HR-3-H
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576458.77,153592.4,38.35,699-99 44,_LOW,ChromComb,GROUNDWATER WELL,P X,2,2,MEAN_VAL_RPT,100 HR-3-H
572860.651,151852.065,3.5,AT-D-1 D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 40,100-HR 3 D
573105.776,152130.318,2,AT-D-2-M,_LOW,ChromComb,AQUIFER TUBE,R X,1,0,MEAN_VAL_RPT + MAX OF GROUP 36,100-HR-3 D
573233.231,152224.319,150,AT-D-3-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 34,100-HR-3-D
572992.239,152039.564,2,AT-D-4-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 38,100-HR-3-D
573934.803,152850.597,2,AT-D-5-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 20,100-HR-3-D
578069.144,152954.335,8,AT-H-1-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 17,100-HR-3-H
578109.838,152896.44,2,AT-H-2-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 18,100-HR-3-H
578142.216,152853.072,11,AT-H-3-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 19,100-HR-3-H
576390.6,154227.98,9.68,C5633,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 1,100-HR-3-H
576481.4,154179.43,8.3,C5636,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 2,100 HR 3-H
576634.08,154070.38,16.55,C5638,_LOW,ChromComb,AQUIFER TUBE,R X,2,2,MEAN_VAL_RPT + MAX OF GROUP 3,100-HR-3-H
576871.56,153916.62,29.7,C5641,_LOW,ChromComb,AQUIFER TUBE,R X,1,1,MEAN_VAL_RPT + MAX OF GROUP 5,100-HR-3-H
576960.87,153869.32,3.5,C5644,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 6,100-HR-3-H
577157.45,153736.67,3.5,C5674,_LOW,ChromComb,AQUIFER TUBE,R X,2,0,MEAN_VAL_RPT + MAX OF GROUP 8,100-HR-3-H
577278.65,153653.5,9.68,C5678,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 9,100 HR-3-H
577409.4,153593.79,5.2,C5680,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 10,100-HR-3-H
577699.79,153338.71,9,C5682,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 13,100-HR-3-H
572920.42,151926.86,2,C6272,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 39,100 HR 3-D
573337.49,152284.93,2,C6275,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 32,100-HR-3-D
573533.98,152428.19,2,C6278,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 28,100-HR-3-D
574056.82,153353.31,2,C6281,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 12,100-HR-3-D
576037.53,154364.5,4.5,C6286,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 0,100-HR-3-H
576781.62,153965.55,13.4,C6287,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 4,100-HR-3-H
577793.47,153266.01,2,C6290,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 14,100-HR-3-H
578035.06,152996.7,2,C6293,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 16,100-HR-3-H
578313.22,152575.13,10.5,C6297,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 24,100 HR-3 H
578585.17,152324.65,2.3,C6300,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 31,100-HR-3 H
572046.29,150949.98,5,C6334,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 57,100-HR-3-D
572077.51,151003.82,5.5,C7646,_LOW,ChromComb,AQUIFER TUBE,R X,1,1,MEAN_VAL_RPT + MAX OF GROUP 56,100-HR-3 D
578271.58,152659.02,33.05,C7650,_LOW,ChromComb,AQUIFER TUBE,R X,2,2,MEAN_VAL_RPT + MAX OF GROUP 23,100 HR-3-H
577548,152531,20,CP_2013_35,SOFTDATA,ChromComb,NA,NA,NA,NA,SoftData Type 3,
573819.657,152683.584,6.1,DD-12-4,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 22,100-HR-3-D
573700.597,152547.317,18.4,DD-15-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 25,100-HR 3 D
573650.431,152516.128,13.6,DD-16-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 26,100-HR-3-D
572532.209,151530.033,3.5,DD-41-2,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 47,100-HR-3-D
572411.362,151396.947,7.34,DD-44-4,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 50,100-HR-3-D
572210.802,151163.304,44,DD-49-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 54,100-HR-3-D
572172.166,151120.007,9,DD-50-3,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 55,100-HR-3-D
572716.336,151730.81,3.5,Redox-1-6.0,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 42,100-HR-3-D
572636.662,151687.803,6.2,Redox-2 6.0,_LOW,ChromComb,AQUIFER TUBE,R-X,2,1,MEAN_VAL_RPT + MAX OF GROUP 43,100-HR-3-D
572583.206,151603.027,3.5,Redox-3-4.6,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 45,100-HR-3-D
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100-HR-3_Nitrate.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB FT3D)
1    0.0                                    \nst, nugget effect
1    0.02     310.0   0.0   0.0                 \it,cc,ang1,ang2,ang3
     1000.0 800.0    0.0                 \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.909   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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,DU
574470.87,153465.19,13125,199-D2-10,_2013,Nitrate,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573329.16,151120.73,26500,199-D2-11,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
574543.45,153300.01,13125,199-D2-12,_2013,Nitrate,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573000.21,151119.86,57300,199-D2-6,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572453.955,151165.653,13200,199-D3-2,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572787.66,150994.54,28360,199-D3-5,_2013,Nitrate,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
572665.855,151424.474,50000,199-D4-13,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572839.812,151641.64,11130,199-D4-14,_2013,Nitrate,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572936.636,151424.862,36800,199-D4-15,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572559.249,151282.037,7150,199-D4-19,_2013,Nitrate,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
572794.042,151257.474,70400,199-D4-20,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572788.453,151539.293,37700,199-D4-22,_2013,Nitrate,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-HR-3-D
572672.455,151592.87,3702.5,199-D4-23,_2013,Nitrate,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572711.441,151476.238,14565,199-D4-25,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572712.326,151488.878,11490,199-D4-26,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572724.228,151493.48,26200,199-D4-27,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572749.448,151527.997,14400,199-D4-31,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572790.871,151573.746,16800,199-D4-32,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572818.193,151606.215,26500,199-D4-36,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572671.317,151537.856,3610,199-D4-38,_2013,Nitrate,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
572747.453,151650.84,5890,199-D4-39,_2013,Nitrate,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572754.612,151571.609,4830,199-D4-4,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572881.3,151703.459,18000,199-D4-48,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572740.543,151556.5,5750,199-D4-5,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572733.34,151577.919,3640,199-D4-6,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572619.521,151351.066,10340,199-D4-62,_2013,Nitrate,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-HR-3-D
572760.866,151551.254,269,199-D4-7,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572511.284,151218.263,9070,199-D4-78,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572859.432,151723.418,22150,199-D4-83,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572568.043,151433.521,10495,199-D4-84,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572466.163,151324.202,9770,199-D4-85,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572389.064,151202.144,9675,199-D4-86,_2013,Nitrate,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
572714.05,151486.31,7870,199-D4-92,_2013,Nitrate,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-HR-3-D
572710.39,151491.2,177,199-D4-93,_2013,Nitrate,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-HR-3-D
572612.82,151226.7,19700,199-D4-95,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572777.03,151519.78,32900,199-D4-96,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572906.23,151625.33,24400,199-D4-97,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572574.52,151481.65,12000,199-D4-98,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572527.36,151377.08,4960,199-D4-99,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572943.04,151521.52,31600,199-D5-101,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573505.87,151460.87,37200,199-D5-103,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573265.48,151422.43,38025,199-D5-104,_2013,Nitrate,GROUNDWATER WELL,R-X,12,12,MEAN_VAL_RPT,100-HR-3-D
573503.74,151597.97,28200,199-D5-106,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
572932.37,151283.14,916,199-D5-107,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572923.34,151222.9,4170,199-D5-108,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572917.37,151285.57,41700,199-D5-109,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572931.57,151277.61,40850,199-D5-110,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572918.04,151223.75,2780,199-D5-114,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572923.15,151221.12,7370,199-D5-115,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
572992.26,151428.31,38500,199-D5-127,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573622.4,151237.35,13125,199-D5-128,_2013,Nitrate,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573735.5,151465.13,13125,199-D5-129,_2013,Nitrate,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573535.527,151955.183,39450,199-D5-13,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
574039.2,151928.51,39700,199-D5-130,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573684.39,152006.75,35000,199-D5-131,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573875.35,151586.87,41325,199-D5-132,_2013,Nitrate,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
573731.55,151497.37,25700,199-D5-133,_2013,Nitrate,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
573789.632,151787.99,32650,199-D5-14,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-HR-3-D
573791.87,151563.26,35625,199-D5-142,_2013,Nitrate,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-HR-3-D
573701.53,151784.26,29600,199-D5-143,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573215.62,151396.28,29400,199-D5-145,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573219.79,151345.59,36700,199-D5-146,_2013,Nitrate,GROUNDWATER WELL,C,1,1,MAX_VAL_RPT,100-HR-3-D
572993.13,151380.78,39200,199-D5-147,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573361.48,151083.48,33100,199-D5-148,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573739.61,151673.75,27900,199-D5-15,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-HR-3-D
573329.77,151992.82,33800,199-D5-153,_2013,Nitrate,GROUNDWATER WELL,C,1,1,MAX_VAL_RPT,100-HR-3-D
573632.26,151831.74,26900,199-D5-154,_2013,Nitrate,GROUNDWATER WELL,C,3,3,MAX_VAL_RPT,100-HR-3-D
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578142.216,152853.672,2620,AT-H-3-D,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 19,100-HR-3-H
572274.21,151246.19,5400,C6268,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 52,100-HR-3-D
572332.3,151317.57,4050,C6271,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 51,100-HR-3-D
572076.62,151002.47,5090,C7647,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 56,100-HR-3-D
572496.189,151492.48,1270,DD-42-4,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 48,100-HR-3-D
572450.906,151443.222,1200,DD-43-3,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 49,100-HR-3-D
572411.362,151396.947,1570,DD-44-4,_2013,Nitrate,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 50,100-HR-3-D
572716.336,151730.81,3140,Redox-1-6.0,_2013,Nitrate,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 42,100-HR-3-D
572636.662,151687.803,1090,Redox-2-6.0,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 43,100-HR-3-D
572583.206,151603.027,1420,Redox-3-4.6,_2013,Nitrate,AQUIFER TUBE,R-X,2,2,MAX_VAL_RPT + MAX OF GROUP 45,100-HR-3-D
572529.706,151540.006,1890,Redox-4-6.0,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 47,100-HR-3-D
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100-HR-3_Strontium-90.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
574470.87,153465.19,1.1,199-D2-10,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574343.45,153300.01,1.1,199-D2-12,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
572787.66,150994.54,1.2,199-D3-5,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572800.1,151425.94,1.3,199-D4-101,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572672.455,151592.87,1.8,199-D4-23,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572711.441,151476.238,1.6,199-D4-25,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,100-HR-3-D
572671.317,151537.856,1.4,199-D4-38,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572747.453,151650.84,1.4,199-D4-39,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572859.432,151723.418,7,199-D4-83,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
572568.043,151433.521,1.4,199-D4-84,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572486.163,151324.202,2.3,199-D4-85,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
572389.064,151202.144,1,199-D4-86,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572612.82,151226.7,1.3,199-D4-95,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572777.03,151519.78,1.3,199-D4-96,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572906.23,151625.33,1.2,199-D4-97,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572574.52,151481.65,1.3,199-D4-98,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572527.36,151377.08,1.3,199-D4-99,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572943.04,151521.52,1.4,199-D5-101,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573505.87,151460.87,1.1,199-D5-103,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573265.48,151422.43,1.01333333333333,199-D5-104,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573503.74,151597.97,1.2,199-D5-106,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573824.21,151639.41,4.7,199-D5-123,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
572992.26,151428.31,1.3,199-D5-127,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573622.4,151237.35,1.1,199-D5-128,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573735.5,151465.13,1.1,199-D5-129,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574039.2,151928.51,1.3,199-D5-130,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573684.39,152006.75,1.4,199-D5-131,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573875.35,151586.87,28.25,199-D5-132,_2013,Strontium-90,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,100-HR-3-D
573731.55,151497.37,0.965,199-D5-133,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573750.68,151778.82,1.9,199-D5-140,_2011,Strontium-90,GROUNDWATER WELL,C,5,0,MAX_VALOR_ND_MDA,100-HR-3-D
573791.87,151563.26,19,199-D5-142,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-HR-3-D
573701.53,151784.26,1.0475,199-D5-143,_2013,Strontium-90,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573352.03,151404.83,0.575,199-D5-144,_2011,Strontium-90,GROUNDWATER WELL,C,7,3,MAX_VALOR_ND_MDA,100-HR-3-D
573215.62,151396.28,1.4,199-D5-145,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573219.79,151345.59,0.94,199-D5-146,_2013,Strontium-90,GROUNDWATER WELL,C,1,0,MAX_VALOR_ND_MDA,100-HR-3-D
572993.13,151380.78,1.1,199-D5-147,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573361.48,151083.48,1,199-D5-148,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573738.61,151673.75,1.1,199-D5-15,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
573329.77,151992.82,1.1,199-D5-153,_2013,Strontium-90,GROUNDWATER WELL,C,1,0,MAX_VALOR_ND_MDA,100-HR-3-D
573632.26,151831.74,1.3,199-D5-154,_2013,Strontium-90,GROUNDWATER WELL,C,3,0,MAX_VALOR_ND_MDA,100-HR-3-D
573917.45,151652.51,0.82,199-D5-16,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573239.97,152030.15,0.98,199-D5-20,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573372.04,151903.39,1.4,199-D5-32,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,100-HR-3-D
573240.42,151554.12,1.1,199-D5-34,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
572909.823,151746.32,1.2,199-D5-36,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573092.236,151916.365,1.2,199-D5-37,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573142.858,151428.428,0.96,199-D5-39,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573479.771,151622.674,1.1,199-D5-42,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
572993.581,151835.736,1.1,199-D5-44,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573131.93,152009.82,1.1,199-D5-92,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,100-HR-3-D
573350.22,151459.64,6.8,199-D5-93,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
573250.11,151302.47,1.075,199-D5-97,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-HR-3-D
574129.87,151691.71,1.1,199-D6-1,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574544.61,151970.2,1.1,199-D6-2,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574159.09,151643.85,1.195,199-D6-3,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-HR-3-D
574151.38,152363.41,1.4,199-D7-3,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
574377.07,152369.64,1.1,199-D7-4,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574434.31,152678.72,1.1,199-D7-5,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574429.2,152980.43,1.3,199-D7-6,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573889.86,152452.26,3.5,199-D8-53,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
573781.17,152408.03,5,199-D8-54A,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
573620.954,152364.345,1.1,199-D8-55,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573434.693,152060.822,1.18,199-D8-6,_2012,Strontium-90,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573711.67,152427.1,7.6,199-D8-68,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
573843.61,152552.201,1.4,199-D8-69,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573942.097,152508.741,4.6,199-D8-70,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
573837.097,152429.388,2,199-D8-71,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-HR-3-D
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573570.481,152211.774,1.5,199 D8 72,_2011,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR 3 D
573568.7,152167.36,1.7,199 D8 73,_2012,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 D
573292.33,152141.26,1.2,199 D8-88,_2013,Strontium 90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR-3-D
573478.64,152249.65,1.4,199 D8-89,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR 3-D
573948.64,152646.23,1.5,199-D8-90,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
574036.89,152741.44,1.4,199-D8-91,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR-3-D
574149.7,153085.8,1.1,199-D8-93,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574047.82,152949.53,1.1,199-D8-94,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573611.96,152160.61,1.3,199-D8-95,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573706,152152.24,1.4,199-D8-96,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3 D
573859.56,152087.42,1.4,199 D8-97,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR 3-D
574013.12,152123.02,1.4,199-D8-98,_2013,Strontium 90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-HR 3 D
574006.77,152364.37,1.1,199-D8-99,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100 HR 3-D
576602.31,153384.49,0.89,199-H1-1,_2013,Strontium 90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR-3 H
576451.07,153378.26,0.89,199 H1 2,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR 3 H
575706.04,154183.61,1.7,199-H1 20,_2013,Strontium 90,NA,NA,NA,NA,SoftData Type 1,100 HR-3 H
575896.84,154163.8,1.7,199-H1-21,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100 HR 3 H
576779.64,154069.97,1.6,199-H1 25,_2013,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-HR-3 H
576403.86,154024.21,0.95,199-H1-27,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR-3-H
576767.07,153766,1.05,199-H1-32,_2012,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-HR-3-H
576833.29,153716.23,1.05,199-H1-33,_2012,Strontium-90,GROUNDWATER WELL,R X,2,0,MEAN_VALOR_ND_MDA,100-HR-3-H
576883.13,153667.06,1,199-H1-34,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR 3-H
576958.26,153628.14,1,199-H1-35,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-H
576885.62,153486.51,0.96,199-H1-36,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100 HR-3-H
577106.92,153641.63,1.4,199 H1 37,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-H
577161,153555.01,1.3,199-H1-38,_2013,Strontium 90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR 3 H
577223.54,153533.4,1.01,199-H1 39,_2012,Strontium-90,GROUNDWATER WELL,R X,3,1,MEAN_VALOR_ND_MDA,100-HR-3-H
576826.78,153366.86,1.13333333333333,199 H1 4,_2012,Strontium-90,GROUNDWATER WELL,R X,3,0,MEAN_VALOR_ND_MDA,100 HR 3-H
577279.34,153500.19,1.3,199-H1-40,_2013,Strontium 90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR 3 H
577312.18,153391.65,0.96,199 H1-42,_2013,Strontium 90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR 3 H
577313.74,153384.28,0.93,199 H1-43,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR 3 H
577240.96,153062.41,1.8,199 H1 45,_2013,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 H
576851.72,153090.3,0.91,199-H1 5,_2013,Strontium 90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-HR 3 D
576607.81,153745.74,0.97,199-H1-6,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR 3-H
577679.6,153172.1,1.3,199-H1-7,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-H
577410.36,152978.49,1.7,199-H3-25,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577440.83,152846.5,1.7,199-H3-26,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577567.05,152811.14,1.7,199-H3-27,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577624.608,152750.068,1.5,199-H3-2A,_2013,Strontium 90,GROUNDWATER WELL,R X,2,1,MEAN_VALOR_ND_MDA,100 HR-3-H
577562.091,152363.166,4.15,199-H3-3,_2013,Strontium-90,GROUNDWATER WELL,R X,2,2,MEAN_VALOR_ND_MDA,100-HR-3-H
577524.287,152293.21,1.7,199-H3-4,_2013,Strontium-90,GROUNDWATER WELL,R X,2,2,MEAN_VALOR_ND_MDA,100-HR 3 H
577454.497,152287.496,3.4,199-H3-5,_2013,Strontium-90,GROUNDWATER WELL,R X,2,2,MEAN_VALOR_ND_MDA,100-HR 3 H
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577931.74,152279.97,1.45,199-H3-7,_2013,Strontium-90,GROUNDWATER WELL,R X,2,1,MEAN_VALOR_ND_MDA,100 HR-3 H
577921.209,153155.813,0.98,199 H4 10,_2013,Strontium 90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-HR-3 H
578141.906,152728.433,10,199-H4-11,_2013,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100 HR 3-H
578009.151,152912.729,5.6,199 H4-12A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR 3 H
578219.304,152595.273,25.8,199-H4-13,_2013,Strontium-90,GROUNDWATER WELL,R X,5,5,MEAN_VALOR_ND_MDA,100-HR-3-H
577904.313,153053.42,0.98,199-H4 15A,_2013,Strontium-90,GROUNDWATER WELL,R X,2,0,MEAN_VALOR_ND_MDA,100 HR-3 H
577981.91,152591.573,6.55,199-H4-16,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100 HR-3-H
577979.175,153037.635,1.7,199-H4-17,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3 H
578018.292,152756.478,1.7,199-H4-18,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
577940.493,152858.537,1.1,199-H4-3,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-H
578060.859,152853.956,4.4,199-H4-4,_2013,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-H
578156.386,152433.394,11,199-H4-45,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-HR-3-H
577883.861,152439.868,1.4,199-H4-46,_2013,Strontium-90,GROUNDWATER WELL,R X,2,1,MEAN_VALOR_ND_MDA,100-HR 3-H
577944.937,152939.783,1.1,199-H4-5,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-H
578185.825,152665.531,23,199-H4-63,_2013,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-HR 3 H
577946.11,153010.582,0.95,199-H4 64,_2013,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-HR-3 H
578014.05,152686.66,6.6,199 H4-69,_2013,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 H
577804.134,152890.845,3,199-H4-7,_2013,Strontium-90,GROUNDWATER WELL,R X,3,3,MEAN_VALOR_ND_MDA,100-HR 3-H
578003.82,152646.45,4.6,199 H4-70,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-H
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575659.13,151989.31,1.7,199-H4-79,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
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575236.93,153035.36,1.1,199 H4-81,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR 3 D
574906.99,152677.72,1.2,199 H4-82,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-HR 3-D
577902.56,152848.73,1.3,199-H4-84,_2013,Strontium 90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-HR 3-H
577990.02,152880.81,1.4,199-H4-85,_2013,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-HR 3 H
577704.55,152745.65,1,199-H4-86,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3 H
578236.557,152247.63,5.95,199-H6-1,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-HR 3 H
577886.5,152194.11,1.7,199-H6-2,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-HR-3-H
578340.4,151929.35,1.7,199-H6-3,_2013,Strontium-90,GROUNDWATER WELL,R X,2,1,MEAN_VALOR_ND_MDA,100-HR-3-H
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577771.59,151737.1,1.17,199-H6-4,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-HR-3-H
578193.394,152744.421,14,47-D,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 21,100-HR-3-H
578465.52,152420.795,1.4,48-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 29,100-HR-3-H
576169.25,151024.529,2.6,699-90-45,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-H
573910.16,152656.22,1.1,699-96-52B,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
577010.23,153761.02,1.7,699-99-42B,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-H
578141.784,152848.945,3.4,AT-H-3-S,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 19,100-HR-3-H
573533.98,152428.19,3.8,C6278,_2012,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 28,100-HR-3-D
578035.06,152996.7,1.2,C6293,_2012,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 16,100-HR-3-H
578314.84,152574.8,1.1,C6296,_2012,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 24,100-HR-3-H
578271.2,152659.93,4.4,C7649,_2012,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 23,100-HR-3-H
573700.597,152547.317,5.6,DD-15-3,_2012,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 25,100-HR-3-D
573651.165,152516.993,6,DD-16-4,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 26,100-HR-3-D
573597.162,152483.304,4.4,DD-17-3,_2012,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 27,100-HR-3-D
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100-HR-3_Tritium.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-09   2
0.95   1.50
TRANSFORM MIK BACKTRAN
2 3
10000   20000
0.95  0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
574470.97,153465.19,2150,199 D2 10,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100 HR 3 D
573328.16,151120.73,1900,199-D2 11,_2013,Tritium,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 D
574343.45,153300.01,2150,199 D2 12,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100 HR 3 D
573000.21,151119.86,2300,199-D2 6,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 D
573263.599,151208.587,270,199 D2 8,_2011,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR 3 D
572453.955,151165.653,750,199-D3 2,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
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572752.848,151558.893,360,199-D4 1,_2012,Tritium,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,100-HR-3-D
572800.1,151425.94,14000,199-D4-101,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
572665.855,151424.474,7300,199-D4-13,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3 D
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572936.636,151424.862,16000,199-D4 15,_2013,Tritium,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-HR 3 D
572559.349,151282.037,2900,199-D4 19,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 D
572794.042,151257.474,20000,199 D4 20,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR 3 D
572788.453,151539.293,3146.66666666667,199 D4 22,_2013,Tritium,GROUNDWATER WELL,R X,3,1,MEAN_VALOR_ND_MDA,100-HR 3 D
572672.455,151592.87,290,199 D4-23,_2013,Tritium,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100 HR 3 D
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572671.317,151537.856,1200,199 D4 38,_2012,Tritium,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 D
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572740.543,151556.5,300,199-D4-5,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR 3-D
572733.34,151577.919,250,199-D4-6,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3 D
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572859.432,151723.418,1500,199-D4-83,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR 3 D
572568.043,151433.521,6400,199 D4 84,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR 3 D
572486.163,151324.202,3100,199 D4 85,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 D
572383.064,151202.144,2100,199-D4-86,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR 3 D
572612.92,151226.7,6600,199 D4 95,_2013,Tritium,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 D
572777.03,151519.78,8700,199-D4 96,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR 3 D
572906.23,151625.33,1100,199 D4 97,_2013,Tritium,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-HR-3 D
572574.52,151481.65,1900,199 D4 98,_2013,Tritium,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 D
572527.36,151377.08,3400,199-D4 99,_2013,Tritium,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-HR 3 D
572943.04,151521.52,2400,199-D5-101,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 D
573505.87,151460.87,2050,199-D5 103,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100 HR 3 D
573265.48,151422.43,1200,199-D5-104,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-HR-3-D
573503.74,151597.97,2000,199-D5-106,_2013,Tritium,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
573824.21,151639.41,5700,199-D5-123,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
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573622.4,151237.35,2150,199-D5-128,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100 HR-3-D
573735.5,151465.13,2150,199-D5-129,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
573535.527,151955.183,1850,199-D5-13,_2013,Tritium,GROUNDWATER WELL,R X,2,2,MEAN_VALOR_ND_MDA,100-HR 3-D
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573684.39,152006.75,2100,199-D5-131,_2013,Tritium,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100 HR-3 D
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573329.77,151992.82,860,199-D5-153,_2013,Tritium,GROUNDWATER WELL,C,1,1,MAX_VALOR_ND_MDA,100-HR-3-D
573632.26,151831.74,1960,199-D5-154,_2013,Tritium,GROUNDWATER WELL,C,3,3,MAX_VALOR_ND_MDA,100-HR-3-D
573917.45,151652.51,7166.66666666667,199-D5-16,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100 HR 3 D
573730.52,151322.83,1900,199-D5-17,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
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573239.97,152030.15,940,199-D5-20,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-HR 3-D
573372.04,151903.39,1550,199 D5 32,_2013,Tritium,GROUNDWATER WELL,R X,2,2,MEAN_VALOR_ND_MDA,100-HR-3-D
573240.42,151554.12,600,199 D5 34,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
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573142.858,151428.428,720,199-D5-39,_2013,Tritium,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100 HR 3 D
573003.258,151272.017,5800,199 D5 40,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR 3 D
573479.771,151622.674,2150,199-D5-42,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
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574129.87,151691.71,2150,199-D6-1,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574544.61,151970.2,2150,199-D6-2,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-HR-3-D
574159.09,151643.85,2050,199-D6-3,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-HR-3-D
574151.38,152363.41,2000,199-D7-3,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
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573447.185,152090.212,310,199-D8-4,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573537.146,152243.497,290,199-D8-5,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-HR-3-D
573889.86,152452.26,2200,199-D8-53,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
573781.17,152408.03,900,199-D8-54A,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-D
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576458.77,153592.4,1100,699-99-44,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-HR-3-H
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572046.29,150949.98,1300,C6334,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 57,100-HR-3-D
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572411.362,151396.947,330,DD-44-4,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 50,100-HR-3-D
572211.15,151163.981,1400,DD-49-4,_2012,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 54,100-HR-3-D
572172.166,151120.007,3000,DD-50-3,_2012,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 55,100-HR-3-D
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                  \nst, nugget effect
1    0.05  300.0   0.0   0.0                \it,cc,ang1,ang2,ang3
     700.0 350.0    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
568480.003,146895.929,63.6,17-D,_2013,Carbon-14,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 119,100-KR-4
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571281.371,149441.846,51,199-N-16,_2012,Carbon 14,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
571261.01,149155.16,18.2,199-N-165,_2013,Carbon-14,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100 NR-2
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568327.31,146807.12,130,AT K 1 D,_2013,Carbon-14,AQUIFER TUBE,R X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 120,100 KR-4
568801.243,147157.944,134,AT K-2-D,_2013,Carbon-14,AQUIFER TUBE,R X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 113,100 KR-4
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568490.69,146936.42,128,C7642,_2013,Carbon-14,AQUIFER TUBE,R X,5,5,MAX_VALOR_ND_MDA + MAX OF GROUP 118,100 KR 4
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100-KR-4_KN_ChromComb_HI.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
567231.722,146055.169,4.4,12-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 124,200-BP-5
567870,146429,3.1,14-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 123,200-BP-5
568480.003,146895.929,1.75,17-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 119,100-KR-4
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569031.891,147394.208,2,19-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 110,100-KR-4
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568579.94,146468.81,14.975,199-K-107A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-KR-4
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570020.302,148280.55,1.65285714285714,199-K-114A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,6,MEAN_VAL_RPT,100-KR-4
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569871.149,147960.495,7.45714285714286,199-K-116A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
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570662,148903.85,7.84285714285714,199-K-131,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-NR-2
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570589.3,148484.1,3.5,199-K-135,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
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571523.58,150060.72,4.1,199-N-75,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-NR-2
571560.08,150122.12,5,199-N-76,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
572019.16,149866.086,5.2,199-N-81,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571647.42,150383.528,5,199-N-92A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571213.477,149800.762,13.2,199-N-96A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571473.668,150151.407,5.55,199-N-99A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-NR-2
569603.828,148039.275,2,21-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 100,100-KR-4
569951.313,148359.468,6.2,22-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 95,100-KR-4
570225.5,148592.7,2,23-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 92,100-KR-4
570547,149001,2,25-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 88,100-NR-2
570725,149148,3.9,26-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 86,100-NR-2
567551.544,145418.782,8.962,699-72-73,_2013,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,200-BP-5
571420.823,145781.525,2.46,699-73-61,_2011,ChromComb,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100-KR-4
573385.973,146854.795,26.6,699-77-54,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
570877.303,147166.224,2,699-78-62,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
572969.753,149903.972,16.1,699-87-55,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
568327.31,146807.11,6.51,AT-K-1-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 120,100-KR-4
568801.243,147157.944,1.65,AT-K-2-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 113,100-KR-4
569180.026,147581.403,38.9,AT-K-3-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 108,100-KR-4
570123.114,148476.953,2,AT-K-4-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 94,100-KR-4
570358.927,148738.273,7.8,AT-K-5-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 90,100-KR-4
570642.437,149034.926,2,AT-K-6-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 87,100-NR-2
568033.65,146604.18,5.2,C6238,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 122,200-BP-5
568591.99,146978.85,5.8,C6241,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 117,100-KR-4
568695.11,147063.48,2.7,C6242,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 116,100-KR-4
568921.68,147276.15,9,C6247,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 112,100-KR-4
569309.54,147688.3,5.3,C6249,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 107,100-KR-4
569475.54,147898.5,8.3,C6252,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 102,100-KR-4
569711.5,148158.6,12.1,C6256,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 98,100-KR-4
569853.39,148265.88,2,C6257,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 96,100-KR-4
570214.85,148608.84,2,C6260,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 91,100-KR-4
570886.33,149365.43,4.6,C6265,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 85,100-NR-2
571023.87,149554.4,5,C6319,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 84,100-NR-2
571127.03,149679.68,6.1,C6322,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 81,100-NR-2
571553.39,150267.91,3.55,C6325,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 62,100-NR-2
571741.35,150541.11,4.45,C6328,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 59,100-NR-2
571872.77,150720.49,5.2,C6331,_LOW,ChromComb,AQUIFER TUBE,R-X,2,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 58,100-NR-2
568490.69,146936.42,3.07777777777778,C7642,_HIGH,ChromComb,AQUIFER TUBE,R-X,9,5,MEAN_VAL_RPT + MAX OF GROUP 118,100-KR-4
571346.96,149981.81,5,C7881,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 70,100-NR-2
570452,148876,2,DK-04-2,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 89,100-KR-4
571169,149776,5,N116mArray-0A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 79,100-NR-2
571452,150158.6563,5,N116mArray-10A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 66,100-NR-2
571482.0625,150184.4531,5,N116mArray-11A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 65,100-NR-2
571632,150391,5,N116mArray-15A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 60,100-NR-2
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571225,149859.9844,5,N116mArray-1A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 77,100-NR-2
571259.6875,149888.375,5,N116mArray-2A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 76,100-NR-2
571273.375,149911.8594,5,N116mArray-3A,_HIGH,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 74,100-NR-2
571292.5,149925.2344,5,N116mArray-4A,_HIGH,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 73,100-NR-2
571381.1875,150029.75,5,N116mArray-8A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 69,100-NR-2
571437.8125,150124.9844,5,N116mArray-9A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 67,100-NR-2
571313.3125,149944.5625,5,NVP2-116.0,_HIGH,ChromComb,AQUIFER TUBE,R-X,4,0,MEAN_VAL_RPT + MAX OF GROUP 72,100-NR-2
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100-KR-4_KN_ChromComb_LO.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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
567231.722,146055.169,4.4,12-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 124,200-BP-5
567870,146429,3.1,14-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 123,200-BP-5
568480.003,146895.929,1.75,17-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,1,MEAN_VAL_RPT + MAX OF GROUP 119,100-KR-4
568712.6,147064.32,1.03,18-S,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 115,100-KR-4
569031.891,147394.208,2,19-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 110,100-KR-4
568697.4,146502.39,4.3775,199-K-106A,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,2,MEAN_VAL_RPT,100-KR-4
568579.94,146468.81,15.05,199-K-107A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
568687.2,146396.14,3.12,199-K-108A,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-KR-4
568938.002,146617.756,4.64,199-K-11,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569230.007,146677.91,6,199-K-110A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-KR-4
569308.169,146968.875,434.5,199-K-111A,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,3,MEAN_VAL_RPT,100-KR-4
570278.602,148503.439,7.94,199-K-112A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-KR-4
570098.07,148294.453,5.175,199-K-113A,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-KR-4
570020.302,148280.55,2.63333333333333,199-K-114A,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,5,MEAN_VAL_RPT,100-KR-4
569939.988,148135.417,29.2933333333333,199-K-115A,_LOW,ChromComb,GROUNDWATER WELL,R-X,15,15,MEAN_VAL_RPT,100-KR-4
569871.149,147960.495,7.15166666666667,199-K-116A,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-KR-4
569702.56,147976.977,2.145,199-K-117A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-KR-4
569703.057,147865.898,7.34,199-K-118A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
569661.802,147649.688,2.815,199-K-119A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569399.615,147518.477,7.42,199-K-120A,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-KR-4
570017.165,147418.26,0.58,199-K-121A,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569975.068,147172.859,0.58,199-K-122A,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569931.103,147090.244,0.58,199-K-123A,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569867.938,146991.673,3.5925,199-K-124A,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-KR-4
569712.872,147866.006,7.375,199-K-125A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-KR-4
570574.731,148509.648,9.45,199-K-126,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569539.234,147539.002,6.66666666666667,199-K-127,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,4,MEAN_VAL_RPT,100-KR-4
570009.538,147257.52,0.58,199-K-128,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570283.65,148503.07,2.91466666666667,199-K-129,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-KR-4
569037.727,146682.13,5.605,199-K-13,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
570478.99,148661.18,12.5857142857143,199-K-130,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
570662,148903.85,7.92857142857143,199-K-131,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-NR-2
568495.12,146670.82,11.8111111111111,199-K-132,_LOW,ChromComb,GROUNDWATER WELL,R-X,9,9,MEAN_VAL_RPT,100-KR-4
570560.09,148536.26,1.233,199-K-133,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-KR-4
570600.09,148525.3,2,199-K-134,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-KR-4
570589.3,148484.1,4.525,199-K-135,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,0,MEAN_VAL_RPT,100-KR-4
570549.02,148494.98,3.5,199-K-136,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
568653.37,146374.51,26.775,199-K-137,_LOW,ChromComb,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,100-KR-4
568395.22,146616.64,11.7428571428571,199-K-138,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
568551.39,146518.39,14.7142857142857,199-K-139,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
568493.07,146493.66,15.8472727272727,199-K-140,_LOW,ChromComb,GROUNDWATER WELL,R-X,11,11,MEAN_VAL_RPT,100-KR-4
569024.22,146818.49,25.1428571428571,199-K-141,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
569104.26,146870.94,1.1,199-K-142,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
570934.41,148088.28,0.56,199-K-143,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569163.34,147265.96,24,199-K-144,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-KR-4
569284.6,147425.66,18.875,199-K-145,_LOW,ChromComb,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,100-KR-4
570197.6,148379.78,5.05714285714286,199-K-146,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,6,MEAN_VAL_RPT,100-KR-4
570411.64,148558.07,15.4142857142857,199-K-147,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
570584.74,148767.86,19.0714285714286,199-K-148,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
570778.25,148970.74,4.75,199-K-149,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-NR-2
570787.67,149051.93,2.77371428571429,199-K-150,_LOW,ChromComb,GROUNDWATER WELL,R-X,14,4,MEAN_VAL_RPT,100-NR-2
570941.32,148686.44,5.835,199-K-151,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-NR-2
570736.25,148585.89,40.0857142857143,199-K-152,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
570530.04,148210.08,31.0571428571429,199-K-153,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
570321.06,148027.01,52.6714285714286,199-K-154,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
569674.01,147270.91,0.56,199-K-156,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569432.18,147167.94,10.95,199-K-157,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
568627.45,146164.41,1.1,199-K-158,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570911.73,149159.61,0.56,199-K-159,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-NR-2
570919.58,149116.02,0.56,199-K-160,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-NR-2
570004.64,148202.3,6.58428571428571,199-K-161,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
569340,147459.97,3.074,199-K-162,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-KR-4
570230.66,147947.93,15,199-K-163,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-KR-4
571202.22,148903.74,0.56,199-K-164,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-NR-2
568674.96,146342.42,46.09,199-K-165,_LOW,ChromComb,GROUNDWATER WELL,R-X,20,20,MEAN_VAL_RPT,100-KR-4
568594.56,146342.97,18.4272727272727,199-K-166,_LOW,ChromComb,GROUNDWATER WELL,R-X,22,22,MEAN_VAL_RPT,100-KR-4
568544.37,146513.63,25.7666666666667,199-K-168,_LOW,ChromComb,GROUNDWATER WELL,R-X,9,9,MEAN_VAL_RPT,100-KR-4
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569988.97,147554.98,0.56,199-K-169,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570009.01,147491.37,0.56,199-K-170,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570544.03,147187.86,29.471428571428 6,199-K-171,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
570871.69,147166.37,0.56,199-K-172,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568674.07,146266.88,67.244,199-K-173,_LOW,ChromComb,GROUNDWATER WELL,R-X,25,25,MEAN_VAL_RPT,100-KR-4
568915.38,146222.47,1.1,199-K-174,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568882.72,146008.84,1.1,199-K-175,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568963.01,146954.43,25.766666666667,199-K-178,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-KR-4
569847.25,147481.92,0.58,199-K-179,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569353.687,147400.811,12.75,199-K-18,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
571116.08,147449.14,0.56,199-K-180,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568849.75,146892.82,14.75,199-K-181,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
571185.32,148350.24,43.428571428571 4,199-K-182,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
568302.28,146439.7,6.86,199-K-183,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,200-BP-5
568618.68,146366.32,18.35,199-K-184,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
568574.92,146726.17,5.75,199-K-185,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569209.65,146625.36,9.98,199-K-186,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569499,146054.68,3.21,199-K-187,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569386.8,146370.11,40.45,199-K-188,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-KR-4
569150.27,146809.68,7.675,199-K-189,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,3,MEAN_VAL_RPT,100-KR-4
569458.517,147386.64,3.515,199-K-19,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
568835.28,146873.27,13.15,199-K-190,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569711.2,146886.65,9.89,199-K-191,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
570641.99,146969.58,24.3,199-K-193,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
571315.65,147281.98,14.7,199-K-194,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
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569348.77,147528.77,5,199-K-197,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-KR-4
569304.19,147551.86,14.025,199-K-198,_2013,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-KR-4
569339.76,147585.3,24.4,199-K-199,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-KR-4
569520.516,147687.239,3.99,199-K-20,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569426.14,147253.55,10.525,199-K-200,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,3,MEAN_VAL_RPT,100-KR-4
570092.13,148069.13,74.6,199-K-201,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569101.45,146792.64,21,199-K-202,_LOW,ChromComb,PROPOSED SITE,C,5,5,MAX_VAL_RPT,100-KR-4
568845.56,146090.48,3820,199-K-205,_2014,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568734.15,146049.78,2,199-K-206,_LOW,ChromComb,PROPOSED SITE,C,4,0,MAX_VAL_RPT,100-KR-4
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570023.697,148097.376,57.275,199-K-22,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-KR-4
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569238.117,146780.961,7.3,199-K-30,_2010,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568177.564,146591.114,6.488,199-K-31,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,200-BP-5
569024.15,147006.68,10.15,199-K-32A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
568605.78,146501.94,6.55,199-K-34,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,2,MEAN_VAL_RPT,100-KR-4
569373.61,146390.47,412,199-K-36,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-KR-4
570216.203,148226.542,20.85,199-K-37,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
571424.79,149903.68,5,199-N-103A,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571602.3,150024.96,5.45,199-N-105A,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-NR-2
571737.6,150150.85,5.25,199-N-106A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-NR-2
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571368.29,149973.29,5,199-N-121,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571318.48,149928.81,5,199-N-122,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-NR-2
571282.86,149889.37,5,199-N-123,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571282.07,149890.57,5,199-N-126,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
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571713.1,150243.37,5,199-N-14,_2013,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-NR-2
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571338.34,149946.51,5,199-N-147,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571341.01,149949.44,5,199-N-148,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571341.48,149949.86,5,199-N-149,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571342.87,149948.66,5,199-N-150,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571343.21,149949.17,5,199-N-151,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571343.62,149949.54,5,199-N-152,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571347.41,149949.92,5,199-N-153,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571347.82,149949.45,5,199-N-154,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571340.68,149943.78,5,199-N-155,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
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571281.371,149441.846,18.3,199-N-16,_2012,ChromComb,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100-NR-2
571261.01,149155.16,2.466666666666667,199-N-165,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,3,MEAN_VAL_RPT,100-NR-2
571296.75,149698.29,5.1,199-N-167,_2011,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-NR-2
571293.97,149705.43,4.1,199-N-169,_2011,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-NR-2
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571296.7,149740.08,5.1,199-N-171,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571263.29,149738.54,5.1,199-N-172,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
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571430.74,149817.82,5.05,199-N-184,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-NR-2
571546.33,150237.98,5,199-N-185,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
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571565.9,149897.961,4.39,199-N-187,_LOW,ChromComb,GROUNDWATER WELL,R-X,10,5,MEAN_VAL_RPT,100-NR-2
571906.94,149581.53,11.4,199-N-188,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-NR-2
571431.65,148430.52,46.6,199-N-189,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-NR-2
571209.054,149702.446,5,199-N-19,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
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571177.777,149629.409,5.3,199-N-21,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
572052.617,149659.789,13.9,199-N-27,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571955.271,149476.654,5.7,199-N-28,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571317.375,149794.61,5,199-N-3,_2013,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-NR-2
571907.616,149708.497,5,199-N-32,_2013,ChromComb,GROUNDWATER WELL,R-X,3,0,MEAN_VAL_RPT,100-NR-2
571737.41,149653.887,5,199-N-34,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571231.25,149822.23,5,199-N-347,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571248.28,149845.23,5,199-N-348,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571267.16,149866.13,5,199-N-349,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571356.74,149966.26,5,199-N-350,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571373.17,149987.11,5,199-N-351,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571388.72,150009.03,5,199-N-352,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571403.29,150031.62,5,199-N-353,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
572182.237,149965.263,10.7,199-N-41,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571326.971,149921.348,5.63333333333333,199-N-46,_2013,ChromComb,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100-NR-2
572090.901,150298.79,11.85,199-N-50,_2011,ChromComb,GROUNDWATER WELL,R-X,4,3,MEAN_VAL_RPT,100-NR-2
571796.1,150496.966,5.86,199-N-51,_2011,ChromComb,GROUNDWATER WELL,R-X,4,3,MEAN_VAL_RPT,100-NR-2
572302.91,149466.18,3.7,199-N-52,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571375.871,149703.495,5,199-N-56,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571413.173,149542.05,5,199-N-57,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571561.412,149551.177,9.2,199-N-64,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571494.163,149798.948,7.3,199-N-67,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571483.887,149804.803,5,199-N-69,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571588.815,148982.169,5.395,199-N-71,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-NR-2
571302.174,149249.655,5,199-N-72,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571292.024,149168.992,5,199-N-73,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571941.876,149156.143,36.1,199-N-74,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-NR-2
571523.58,150060.72,4.1,199-N-75,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-NR-2
571560.08,150122.12,4.53333333333333,199-N-76,_2013,ChromComb,GROUNDWATER WELL,R-X,3,2,MEAN_VAL_RPT,100-NR-2
572019.16,149866.086,5.2,199-N-81,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571647.42,150383.528,5,199-N-92A,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571213.477,149800.762,19.2,199-N-96A,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571473.668,150151.407,5.55,199-N-99A,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-NR-2
569603.828,148039.275,2,21-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 100,100-KR-4
569951.313,148359.468,6.2,22-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 95,100-KR-4
570225.5,148592.7,2,23-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 92,100-KR-4
570547,149001,2,25-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 88,100-NR-2
570725,149148,3.9,26-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 86,100-NR-2
567551.544,145418.782,8.962,699-72-73,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,200-BP-5
571420.823,145781.525,2.46,699-73-61,_2011,ChromComb,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100-KR-4
573385.973,146854.795,26.6,699-77-54,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
570877.303,147166.224,3.5,699-78-62,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
572969.753,149903.972,16.1,699-87-55,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
568327.31,146807.11,6.51,AT-K-1-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 120,100-KR-4
568801.243,147157.944,1.65,AT-K-2-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 113,100-KR-4
569180.026,147581.403,38.9,AT-K-3-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 108,100-KR-4
570123.114,148476.953,2,AT-K-4-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 94,100-KR-4
570358.927,148738.273,7.8,AT-K-5-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 90,100-KR-4
570642.437,149034.926,2,AT-K-6-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 87,100-NR-2
568033.65,146604.18,5.2,C6238,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 122,200-BP-5
568591.99,146978.85,5.8,C6241,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 117,100-KR-4
568695.11,147063.48,2.7,C6242,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 116,100-KR-4
568921.68,147276.15,9,C6247,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 112,100-KR-4
569309.54,147688.3,5.3,C6249,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 107,100-KR-4
569475.54,147898.5,8.3,C6252,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 102,100-KR-4
569711.5,148158.6,12.1,C6256,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 98,100-KR-4
569853.39,148265.88,2,C6257,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 96,100-KR-4
570214.85,148608.84,2,C6260,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 91,100-KR-4
570886.33,149365.43,4.6,C6265,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 85,100-NR-2
571023.87,149554.4,5,C6319,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 84,100-NR-2
571127.03,149679.68,6.1,C6322,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 81,100-NR-2
571553.39,150267.91,3.55,C6325,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 62,100-NR-2
571741.35,150541.11,4.45,C6328,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 59,100-NR-2
571872.77,150720.49,5.2,C6331,_LOW,ChromComb,AQUIFER TUBE,R-X,2,1,MEAN_VAL_RPT + MAX OF GROUP 58,100-NR-2
568490.69,146936.42,3.635,C7642,_LOW,ChromComb,AQUIFER TUBE,R-X,4,1,MEAN_VAL_RPT + MAX OF GROUP 118,100-KR-4
571346.96,149981.81,5,C7881,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 70,100-NR-2
570452,148876,2,DK-04-2,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 89,100-KR-4
571169,149776,5,N116mArray-0A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 79,100-NR-2
571452,150158.6563,5,N116mArray-10A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 66,100-NR-2
571482.0625,150184.4531,5,N116mArray-11A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 65,100-NR-2
571632,150391,5,N116mArray-15A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 60,100-NR-2
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571225,149859.9844,5,N116mArray-1A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 77,100-NR-2
571259.6875,149888.375,5,N116mArray-2A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 76,100-NR-2
571273.375,149911.8594,5,N116mArray-3A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 74,100-NR-2
571292.5,149925.2344,5,N116mArray-4A,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 73,100-NR-2
571381.1875,150029.75,5,N116mArray-8A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 69,100-NR-2
571437.8125,150124.9844,5,N116mArray-9A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 67,100-NR-2
571313.3125,149944.5625,5,NVP2-116.0,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 72,100-NR-2
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100-KR-4_KN_Strontium-90.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
569031.891,147394.208,4.4,19-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 110,100-KR-4
568697.4,146502.39,0.885,199-K-106A,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,100-KR-4
568579.94,146468.81,16,199-K-107A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
568578,146480,49.2,199-K-107A MIG,SOFTDATA,Strontium-90,NA,NA,NA,NA,SoftData Type 3,
568687.2,146396.14,1.03333333333333,199-K-108A,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,100-KR-4
569120,146760,13195,199-K-109A MIG,SOFTDATA,Strontium-90,NA,NA,NA,NA,SoftData Type 3,
569308.169,146968.875,1.079,199-K-111A,_2013,Strontium-90,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_MDA,100-KR-4
570278.602,148503.439,1.1,199-K-112A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570098.07,148294.453,5,199-K-113A,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
570020.302,148280.55,6.5,199-K-114A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569939.988,148135.417,6.5,199-K-115A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569871.149,147960.495,4.1,199-K-116A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569702.56,147976.977,1.65,199-K-117A,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
569703.057,147865.898,1.4,199-K-118A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569661.802,147649.688,1.1,199-K-119A,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
569399.615,147518.477,1.6,199-K-120A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
570017.165,147418.26,2.2,199-K-121A,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569975.068,147172.859,2.2,199-K-122A,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569931.103,147090.244,2.2,199-K-123A,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569867.938,146991.673,3.75,199-K-124A,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
569712.872,147866.006,1.9,199-K-125A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569539.234,147539.002,2.2,199-K-127,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
570009.538,147257.52,2.2,199-K-128,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569037.727,146682.13,1.2,199-K-13,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570478.99,148661.18,1.3,199-K-130,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570662,148903.85,1,199-K-131,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
568495.12,146670.82,1.75,199-K-132,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
568653.37,146374.51,1.1,199-K-137,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
568395.22,146616.64,1.5,199-K-138,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
568551.39,146518.39,7.2,199-K-139,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
568493.07,146493.66,1.3,199-K-140,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,100-KR-4
569024.22,146818.49,33.9571428571429,199-K-141,_2013,Strontium-90,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_MDA,100-KR-4
569104.26,146870.94,1.2,199-K-142,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
570934.41,148088.28,4.9,199-K-143,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569163.34,147265.96,2.7,199-K-144,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
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570197.6,148379.78,0.95,199-K-146,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570411.64,148558.07,0.995,199-K-147,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
570584.74,148767.86,1,199-K-148,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570778.25,148970.74,1,199-K-149,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
570787.67,149051.93,1.2,199-K-150,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
570941.32,148686.44,1.03333333333333,199-K-151,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,100-NR-2
570736.25,148585.89,1,199-K-152,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570530.04,148210.08,0.99,199-K-153,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570321.06,148027.01,0.94,199-K-154,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
569674.01,147270.91,4.9,199-K-156,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569432.18,147167.94,1.2,199-K-157,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
568627.45,146164.41,1.5,199-K-158,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570911.73,149159.61,4.9,199-K-159,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-NR-2
570919.58,149116.02,4.9,199-K-160,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-NR-2
570004.64,148202.3,9,199-K-161,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
569340,147459.97,1.25,199-K-162,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
570230.66,147947.93,1.1,199-K-163,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
571202.22,148903.74,4.9,199-K-164,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-NR-2
568674.96,146342.42,1.4,199-K-165,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
568594.56,146342.97,1.1,199-K-166,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
568544.37,146513.63,0.91,199-K-168,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
569988.97,147554.98,4.9,199-K-169,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570009.01,147491.37,4.9,199-K-170,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570544.03,147187.86,0.97,199-K-171,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570871.69,147166.37,4.9,199-K-172,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568674.07,146266.88,0.845,199-K-173,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
568915.38,146222.47,1.5,199-K-174,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568882.72,146008.84,1.5,199-K-175,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568963.01,146954.43,2.70333333333333,199-K-178,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-KR-4
569847.25,147481.92,2.2,199-K-179,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569353.687,147400.811,1.3,199-K-18,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
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571116.08,147449.14,4.9,199-K 180,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568849.75,146892.82,1,199 K 181,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
571185.32,148350.24,1.295,199 K-182,_2013,Strontium-90,GROUNDWATER WELL,R-X,4,1,MEAN_VALOR_ND_MDA,100-KR-4
568302.28,146439.7,1.208,199-K 183,_2013,Strontium 90,GROUNDWATER WELL,R X,5,0,MEAN_VALOR_ND_MDA,200-BP 5
568618.68,146366.32,0.978333333333333,199-K-184,_2013,Strontium-90,GROUNDWATER WELL,R X,6,0,MEAN_VALOR_ND_MDA,100 KR 4
568574.92,146726.17,1.056666666666667,199 K 185,_2013,Strontium 90,GROUNDWATER WELL,R-X,6,0,MEAN_VALOR_ND_MDA,100 KR 4
569209.65,146625.36,1.25,199-K-186,_2013,Strontium-90,GROUNDWATER WELL,R X,4,1,MEAN_VALOR_ND_MDA,100 KR-4
569499,146054.68,1.204,199-K-187,_2013,Strontium 90,GROUNDWATER WELL,R X,5,1,MEAN_VALOR_ND_MDA,100 KR 4
569386.8,146370.11,1.3,199 K 188,_2013,Strontium-90,GROUNDWATER WELL,R-X,5,2,MEAN_VALOR_ND_MDA,100 KR 4
569150.27,146809.68,0.9446,199 K 189,_2013,Strontium-90,GROUNDWATER WELL,R-X,5,1,MEAN_VALOR_ND_MDA,100 KR 4
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568835.26,146873.27,1.198,199 K-190,_2013,Strontium-90,GROUNDWATER WELL,R X,5,1,MEAN_VALOR_ND_MDA,100 KR-4
569711.2,146886.65,1.072,199-K 191,_2013,Strontium-90,GROUNDWATER WELL,R X,5,0,MEAN_VALOR_ND_MDA,100-KR 4
570641.99,146969.58,1.24,199-K-193,_2013,Strontium 90,GROUNDWATER WELL,R X,4,1,MEAN_VALOR_ND_MDA,100-KR 4
571315.65,147281.98,1.21,199-K 194,_2013,Strontium 90,GROUNDWATER WELL,R X,4,0,MEAN_VALOR_ND_MDA,100-KR-4
568433.3,146639.26,1.2425,199-K-196,_2013,Strontium-90,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_MDA,100 KR-4
569348.77,147528.77,1.325,199 K-197,_2013,Strontium-90,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_MDA,100 KR 4
569304.19,147551.86,1.328,199-K-198,_2013,Strontium 90,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_MDA,100-KR 4
569339.76,147585.3,1.13333333333333,199-K-199,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,1,MEAN_VALOR_ND_MDA,100-KR-4
569520.516,147687.239,6,199-K 20,_2013,Strontium-90,GROUNDWATER WELL,R X,2,2,MEAN_VALOR_ND_MDA,100 KR-4
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570092.13,148069.13,10.6714285714286,199 K 201,_2013,Strontium 90,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_MDA,100 KR 4
569101.45,146792.64,1.5,199-K-202,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
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570023.697,148097.376,13.1,199-K-22,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
569081.848,146635.8,1.05,199-K-23,_2013,Strontium 90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
569238.117,146780.961,0,199-K 30,_2010,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568177.564,146591.114,1.2,199 K-31,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-BP-5
569024.15,147006.68,2.08833333333333,199-K-32A,_2013,Strontium-90,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_MDA,100-KR 4
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569373.61,146390.47,1.6,199-K-36,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,100-KR-4
570216.203,148226.542,4.1,199-K 37,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
571424.79,149903.68,1300,199-N-103A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571602.3,150024.96,1800,199-N 105A,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR 2
571737.6,150150.85,2150,199-N 106A,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571364.5,149968.34,41,199-N-119,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
REM571366.18,149970.76,5.7,199 N 120,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 NR 2
REM571368.29,149973.29,1.5,199 N 121,_2013,Strontium 90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-NR 2
571318.48,149928.81,472.5,199 N-122,_2013,Strontium-90,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,100 NR 2
571282.86,149889.37,125,199 N 123,_2013,Strontium 90,GROUNDWATER WELL,R X,2,2,MEAN_VALOR_ND_MDA,100 NR 2
571282.07,149890.57,53,199 N-126,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571282.53,149891.18,220,199 N 127,_2011,Strontium 90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR 2
571285.51,149890.11,58,199 N-128,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 NR 2
571285.02,149889.65,79,199 N-129,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571291.38,149885.61,720,199 N 130,_2011,Strontium 90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-NR 2
571290.97,149884.96,80,199 N-131,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 NR-2
571290,149891.44,120,199-N 132,_2011,Strontium 90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571289.38,149891.83,43,199 N-133,_2011,Strontium 90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571337.18,149940.73,5.8,199-N-136,_2011,Strontium 90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571344.43,149946.3,84,199-N-137,_2011,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571287.27,149887.72,26,199-N-138,_2011,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100 NR-2
571292.03,149895.6,3.9,199 N-139,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571713.1,150243.37,1150,199-N-14,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571297.9,149902.64,26,199-N-140,_2011,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571303.97,149909.49,99,199-N-141,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571310.19,149916.16,12,199-N-142,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571316.5,149923.04,96,199-N-143,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571322.83,149929.28,130,199-N-144,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571329.9,149935.11,10,199-N-145,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571298.8,149909.74,270,199-N-146,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571338.34,149946.51,135,199 N-147,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571341.01,149949.44,50,199-N-148,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571341.48,149949.86,160,199 N-149,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR 2
571342.87,149948.66,210,199-N 150,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571343.21,149949.17,120,199-N-151,_2011,Strontium 90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR 2
571343.62,149949.54,190,199 N-152,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR 2
571347.41,149949.92,150,199-N-153,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571347.82,149949.45,480,199 N-154,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 NR-2
571340.68,149943.78,230,199 N-155,_2011,Strontium 90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 NR 2
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571340,149942.84,88,199-N-159,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571281.371,149441.846,0.92,199 N-16,_2012,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
571333.43,149938.01,56,199-N-160,_2011,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
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571319.68,149926.6,100,199 N-162,_2011,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571313.28,149919.73,41,199-N-163,_2011,Strontium-90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571307.1,149913.06,17,199-N 164,_2011,Strontium 90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 NR-2
571261.01,149155.16,1.35,199-N 165,_2013,Strontium 90,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,100 NR 2
571296.75,149698.29,200,199-N 167,_2011,Strontium 90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100 NR 2
571293.97,149705.43,176.5,199-N 169,_2011,Strontium 90,GROUNDWATER WELL,R X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571288.51,149714.84,160,199 N 170,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 NR-2
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571296.7,149740.08,140,199-N-171,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR 2
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571193.02,149759.67,22,199-N-173,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571261.608,149752.123,181.5,199-N-18,_2011,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571269.69,149756.01,100,199-N-183,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571430.74,149817.82,1050,199-N 184,_2013,Strontium 90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571546.33,150237.98,7.6,199 N 185,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571480.87,149715.06,430,199-N-186,_2013,Strontium-90,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,100-NR-2
571565.9,149897.961,10671.4285714286,199-N 187,_2013,Strontium-90,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_MDA,100-NR-2
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571209.054,149702.446,22,199-N 19,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 NR-2
571476.209,149859.433,1070,199-N-2,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571177.777,149629.409,1.8,199 N-21,_2013,Strontium 90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
572052.617,149659.789,130,199 N-27,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571955.271,149476.654,24,199-N-28,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571317.375,149794.61,935,199-N 3,_2013,Strontium-90,GROUNDWATER WELL,R X,2,2,MEAN_VALOR_ND_MDA,100-NR 2
571907.616,149708.497,1.4,199-N-32,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
571737.41,149653.887,42,199-N 34,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR 2
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571248.28,149845.23,34.5,199-N-348,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571267.16,149866.13,66,199-N-349,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571356.74,149966.26,21,199-N-350,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571373.17,149987.11,39,199-N-351,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571388.72,150009.03,28.5,199-N-352,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571403.29,150031.62,3.15,199-N-353,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
572182.237,149965.263,1,199-N-41,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571326.971,149921.348,1333.33333333333,199-N-46,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-NR-2
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572302.91,149466.18,0.997,199-N-52,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
571375.871,149703.495,380,199 N-56,_2013,Strontium 90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571413.173,149542.05,12,199-N 57,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571561.412,149551.177,1.5,199-N-64,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100 NR 2
571494.163,149798.948,14000,199-N-67,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100 NR-2
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571588.815,148982.169,1,199-N-71,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100 NR-2
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571941.876,149156.143,1.6,199-N-74,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
571523.58,150060.72,2450,199-N-75,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571560.08,150122.12,482.333333333333,199-N 76,_2013,Strontium-90,GROUNDWATER WELL,R X,3,3,MEAN_VALOR_ND_MDA,100 NR 2
572019.16,149866.086,490,199-N-81,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571647.42,150383.528,1.7,199-N-92A,_2013,Strontium 90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100 NR 2
571213.477,149800.762,5.9,199 N-96A,_2013,Strontium 90,GROUNDWATER WELL,R X,1,1,MEAN_VALOR_ND_MDA,100-NR 2
571473.668,150151.407,1115,199-N 99A,_2013,Strontium 90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
569603.828,148039.275,1.6,21-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 100,100-KR-4
569951.313,148359.468,8.8,22-M,_2013,Strontium-90,AQUIFER TUBE,R X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 95,100-KR-4
570225.5,148592.7,1.1,23-M,_2013,Strontium-90,AQUIFER TUBE,R X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 92,100-KR 4
567551.544,145418.782,1.6,699 72 73,_2013,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,200-BP-5
571420.823,145781.525,1.5,699-73 61,_2011,Strontium-90,GROUNDWATER WELL,R X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
573385.973,146854.795,1.7,699-77-54,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-FR-3
572969.753,149903.972,1.6,699-87-55,_2011,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-NR-2
571276.5,149897.4844,270,APT1,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 75,100-NR-2
569180.026,147581.403,1,AT-K-3-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 108,100-KR-4
570123.114,148476.953,1,AT-K-4-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 94,100-KR-4
570356.51,148737.414,2.9,AT-K-5-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 90,100-KR-4
568695.11,147063.48,1.1,C6242,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 116,100-KR-4
568922.44,147279.52,1.2,C6245,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 112,100-KR-4
569713.15,148159.94,1.3,C6254,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 98,100-KR-4
569853.39,148265.88,3.8,C6257,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 96,100-KR-4
570887.19,149363.59,3.3,C6264,_2012,Strontium-90,AQUIFER TUBE,R-X,2,1,MAX_VALOR_ND_MDA + MAX OF GROUP 85,100-NR-2
571026.84,149554.8,2.5,C6318,_2013,Strontium-90,AQUIFER TUBE,R-X,2,1,MAX_VALOR_ND_MDA + MAX OF GROUP 84,100-NR-2
571128.66,149677.99,14,C6320,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 81,100-NR-2
571555.04,150269.68,200,C6323,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 62,100-NR-2
571346.96,149981.81,42,C7881,_2013,Strontium-90,AQUIFER TUBE,R X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 70,100-NR-2
571048.23,149577.5,310,C7934,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 83,100-NR-2
571081.92,149621.34,1.3,C7937,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 82,100-NR-2
571169,149776,3,N116mArray-0A,_2013,Strontium 90,AQUIFER TUBE,R-X,5,3,MAX_VALOR_ND_MDA + MAX OF GROUP 79,100-NR-2
571452,150158.6563,110,N116mArray-10A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 66,100-NR-2
571482.0625,150184.4531,570,N116mArray-11A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 65,100-NR-2
571512,150219.1563,45,N116mArray-12A,_2012,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 64,100-NR-2
571632,150391,1.1,N116mArray-15A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,0,MAX_VALOR_ND_MDA + MAX OF GROUP 60,100-NR-2
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571259.6875,149888.375,18,N116mArray 2A,_2013,Strontium-90,AQUIFER TUBE,R X,3,3,MAX_VALOR_ND_MDA + MAX OF GROUP 76,100-NR 2
571273.375,149911.8594,240,N116mArray-3A,_2013,Strontium-90,AQUIFER TUBE,R-X,5,5,MAX_VALOR_ND_MDA + MAX OF GROUP 74,100-NR-2
571292.5,149925.2344,280,N116mArray-4A,_2013,Strontium-90,AQUIFER TUBE,R-X,6,6,MAX_VALOR_ND_MDA + MAX OF GROUP 73,100-NR-2
571325.4375,149955.7344,130,N116mArray-6A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 71,100-NR-2
571404.5625,150074.5469,64,N116mArray 8.5A,_2012,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 68,100 NR 2
571381.1875,150029.75,1.6,N116mArray-8A,_2013,Strontium-90,AQUIFER TUBE,R X,3,1,MAX_VALOR_ND_MDA + MAX OF GROUP 69,100 NR 2
571437.8125,150124.9844,230,N116mArray-9A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 67,100-NR-2
571313.3125,149944.5625,870,NVP2 116.0,_2013,Strontium-90,AQUIFER TUBE,R X,7,7,MAX_VALOR_ND_MDA + MAX OF GROUP 72,100-NR-2
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568577,146597,14.21,Sr90 2-West,SOFTDATA,Strontium-90,NA,NA,NA,NA,SoftData Type 3,

100-KR-4_KW_KE_ChromComb_HI.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                \nst, nugget effect
1    0.05   300.0   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   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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
567231.722,146055.169,4.4,12-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 124,200-BP-5
567870,146429,3.1,14-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 123,200-BP-5
568480.003,146895.929,1.75,17-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 119,100-KR-4
568712.6,147064.32,1.03,18-S,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 115,100-KR-4
569031.891,147394.208,2,19-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 110,100-KR-4
568697.4,146502.39,2.51,199-K-106A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
568579.94,146468.81,14.975,199-K-107A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-KR-4
568687.2,146396.14,5.17285714285714,199-K-108A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
568938.002,146617.756,4.64,199-K-11,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569230.007,146677.91,9.55,199-K-110A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569308.169,146968.875,385.666666666667,199-K-111A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-KR-4
570278.602,148503.439,7.94,199-K-112A,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-KR-4
570098.07,148294.453,2.34428571428571,199-K-113A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
570020.302,148280.55,1.65285714285714,199-K-114A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,6,MEAN_VAL_RPT,100-KR-4
569939.988,148135.417,10.6971428571429,199-K-115A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
569871.149,147960.495,7.45714285714286,199-K-116A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
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571476.209,149859.433,5,199-N-2,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571177.777,149629.409,5.3,199-N-21,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
572052.617,149659.789,13.9,199-N-27,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571955.271,149476.654,5.7,199-N-28,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571317.375,149794.61,5,199-N-3,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-NR-2
571907.616,149708.497,5,199-N-32,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571737.41,149653.887,5,199-N-34,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571231.25,149822.23,6,199-N-347,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571248.28,149845.23,5,199-N-348,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571267.16,149866.13,7.02,199-N-349,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571356.74,149966.26,5,199-N-350,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571373.17,149987.11,5,199-N-351,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571388.72,150009.03,5,199-N-352,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571403.29,150031.62,5,199-N-353,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
572182.237,149965.263,10.7,199-N-41,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571326.971,149921.348,5.95,199-N-46,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-NR-2
572090.901,150298.79,11.85,199-N-50,_2011,ChromComb,GROUNDWATER WELL,R-X,4,3,MEAN_VAL_RPT,100-NR-2
571796.1,150496.966,5.86,199-N-51,_2011,ChromComb,GROUNDWATER WELL,R-X,4,3,MEAN_VAL_RPT,100-NR-2
572302.91,149466.18,3.7,199-N-52,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571375.871,149703.495,5,199-N-56,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571413.173,149542.05,5,199-N-57,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571561.412,149551.177,9.2,199-N-64,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571494.163,149798.948,7.3,199-N-67,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571483.887,149804.803,5,199-N-69,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571588.815,148982.169,6.368,199-N-71,_HIGH,ChromComb,GROUNDWATER WELL,R-X,10,10,MEAN_VAL_RPT,100-NR-2
571302.174,149249.655,5,199-N-72,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571292.024,149168.992,5,199-N-73,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
571941.876,149156.143,36.1,199-N-74,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-NR-2
571523.58,150060.72,4.1,199-N-75,_2013,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-NR-2
571560.08,150122.12,5,199-N-76,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-NR-2
572019.16,149866.086,5.2,199-N-81,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571647.42,150383.528,5,199-N-92A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571213.477,149800.762,13.2,199-N-96A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
571473.668,150151.407,5.55,199-N-99A,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-NR-2
569603.828,148039.275,2,21-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 100,100-KR-4
569951.313,148359.468,6.2,22-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 95,100-KR-4
570225.5,148592.7,2,23-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 92,100-KR-4
570547,149001,2,25-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 88,100-NR-2
570725,149148,3.9,26-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 86,100-NR-2
567551.544,145418.782,8.962,699-72-73,_2013,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,200-BP-5
571420.823,145781.525,2.46,699-73-61,_2011,ChromComb,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100-KR-4
573385.973,146854.795,26.6,699-77-54,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
570877.303,147166.224,2,699-78-62,_HIGH,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
572969.753,149903.972,16.1,699-87-55,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
568327.31,146807.11,6.51,AT-K-1-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 120,100-KR-4
568801.243,147157.944,1.65,AT-K-2-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 113,100-KR-4
569180.026,147581.403,38.9,AT-K-3-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 108,100-KR-4
570123.114,148476.953,2,AT-K-4-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 94,100-KR-4
570358.927,148738.273,7.8,AT-K-5-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 90,100-KR-4
570642.437,149034.926,2,AT-K-6-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 87,100-NR-2
568033.65,146604.18,5.2,C6238,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 122,200-BP-5
568591.99,146978.85,5.8,C6241,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 117,100-KR-4
568695.11,147063.48,2.7,C6242,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 116,100-KR-4
568921.68,147276.15,9,C6247,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 112,100-KR-4
569309.54,147688.3,5.3,C6249,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 107,100-KR-4
569475.54,147898.5,8.3,C6252,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 102,100-KR-4
569711.5,148158.6,12.1,C6256,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 98,100-KR-4
569853.39,148265.88,2,C6257,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 96,100-KR-4
570214.85,148608.84,2,C6260,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 91,100-KR-4
570886.33,149365.43,4.6,C6265,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 85,100-NR-2
571023.87,149554.4,5,C6319,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 84,100-NR-2
571127.03,149679.68,6.1,C6322,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 81,100-NR-2
571553.39,150267.91,3.55,C6325,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 62,100-NR-2
571741.35,150541.11,4.45,C6328,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 59,100-NR-2
571872.77,150720.49,5.2,C6331,_LOW,ChromComb,AQUIFER TUBE,R-X,2,1,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 58,100-NR-2
568490.69,146936.42,3.07777777777778,C7642,_HIGH,ChromComb,AQUIFER TUBE,R-X,9,5,MEAN_VAL_RPT + MAX OF GROUP 118,100-KR-4
571346.96,149981.81,5,C7881,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 70,100-NR-2
570452,148876,2,DK-04-2,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 89,100-KR-4
571169,149776,5,N116mArray-0A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 79,100-NR-2
571452,150158.6563,5,N116mArray-10A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 66,100-NR-2
571482.0625,150184.4531,5,N116mArray-11A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 65,100-NR-2
571632,150391,5,N116mArray-15A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 60,100-NR-2
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571225,149859.9844,5,N116mArray-1A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 77,100-NR-2
571259.6875,149888.375,5,N116mArray-2A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 76,100-NR 2
571273.375,149911.8594,5,N116mArray-3A,_HIGH,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 74,100-NR-2
571292.5,149925.2344,5,N116mArray-4A,_HIGH,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 73,100-NR-2
571381.1875,150029.75,5,N116mArray-8A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 69,100 NR-2
571437.8125,150124.9844,5,N116mArray-9A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,SoftData Type 1 MEAN_VAL_RPT + MAX OF GROUP 67,100-NR-2
571313.3125,149944.5625,5,NVP2-116.0,_HIGH,ChromComb,AQUIFER TUBE,R-X,4,0,MEAN_VAL_RPT + MAX OF GROUP 72,100-NR-2
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100-KR-4_KW_KE_ChromComb_LO.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                  \nst, nugget effect
1    0.05   300.0   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   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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
567231.722,146055.169,4.4,12-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 124,200-BP-5
567870,146429,3.1,14-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 123,200-BP-5
568480.003,146895.929,1.75,17-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,1,MEAN_VAL_RPT + MAX OF GROUP 119,100-KR-4
568712.6,147064.32,1.03,18-S,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 115,100-KR-4
569031.891,147394.208,2,19-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 110,100-KR-4
568697.4,146502.39,4.3775,199-K-106A,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,2,MEAN_VAL_RPT,100-KR-4
568579.94,146468.81,15.05,199-K-107A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
568687.2,146396.14,3.12,199-K-108A,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-KR-4
568938.002,146617.756,4.64,199-K-11,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569230.007,146677.91,6,199-K-110A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-KR-4
569308.169,146968.875,434.5,199-K-111A,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,3,MEAN_VAL_RPT,100-KR-4
570278.602,148503.439,7.94,199-K-112A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-KR-4
570098.07,148294.453,5.175,199-K-113A,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-KR-4
570020.302,148280.55,2.63333333333333,199-K-114A,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,5,MEAN_VAL_RPT,100-KR-4
569939.988,148135.417,29.2933333333333,199-K-115A,_LOW,ChromComb,GROUNDWATER WELL,R-X,15,15,MEAN_VAL_RPT,100-KR-4
569871.149,147960.495,7.15166666666667,199-K-116A,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-KR-4
569702.56,147976.977,2.145,199-K-117A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-KR-4
569703.057,147865.898,7.34,199-K-118A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
569661.802,147649.688,2.815,199-K-119A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569399.615,147518.477,7.42,199-K-120A,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,100-KR-4
570017.165,147418.26,0.58,199-K-121A,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569975.068,147172.859,0.58,199-K-122A,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569931.103,147090.244,0.58,199-K-123A,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569867.938,146991.673,3.5925,199-K-124A,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,4,MEAN_VAL_RPT,100-KR-4
569712.872,147866.006,7.375,199-K-125A,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-KR-4
570574.731,148509.648,9.45,199-K-126,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
569539.234,147539.002,6.66666666666667,199-K-127,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,4,MEAN_VAL_RPT,100-KR-4
570009.538,147257.52,0.58,199-K-128,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570283.65,148503.07,2.91466666666667,199-K-129,_LOW,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,100-KR-4
569037.727,146682.13,5.605,199-K-13,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
570478.99,148661.18,12.5857142857143,199-K-130,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
570662,148903.85,7.92857142857143,199-K-131,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-NR-2
568495.12,146670.82,11.8111111111111,199-K-132,_LOW,ChromComb,GROUNDWATER WELL,R-X,9,9,MEAN_VAL_RPT,100-KR-4
570560.09,148536.26,1.233,199-K-133,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,1,MEAN_VAL_RPT,100-KR-4
570600.09,148525.3,2,199-K-134,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,100-KR-4
570589.3,148484.1,4.525,199-K-135,_LOW,ChromComb,GROUNDWATER WELL,R-X,4,0,MEAN_VAL_RPT,100-KR-4
570549.02,148494.98,3.5,199-K-136,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
568653.37,146374.51,26.775,199-K-137,_LOW,ChromComb,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,100-KR-4
568395.22,146616.64,11.7428571428571,199-K-138,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
568551.39,146518.39,14.7142857142857,199-K-139,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
568493.07,146493.66,15.8472727272727,199-K-140,_LOW,ChromComb,GROUNDWATER WELL,R-X,11,11,MEAN_VAL_RPT,100-KR-4
569024.22,146818.49,25.1428571428571,199-K-141,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
569104.26,146870.94,1.1,199-K-142,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
570934.41,148088.28,0.56,199-K-143,_2013,ChromComb,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569163.34,147265.96,24,199-K-144,_LOW,ChromComb,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-KR-4
569284.6,147425.66,18.875,199-K-145,_LOW,ChromComb,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,100-KR-4
570197.6,148379.78,5.05714285714286,199-K-146,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,6,MEAN_VAL_RPT,100-KR-4
570411.64,148558.07,15.4142857142857,199-K-147,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
570584.74,148767.86,19.0714285714286,199-K-148,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
570778.25,148970.74,4.75,199-K-149,_2013,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-NR-2
570787.67,149051.93,2.77371428571429,199-K-150,_LOW,ChromComb,GROUNDWATER WELL,R-X,14,4,MEAN_VAL_RPT,100-NR-2
570941.32,148686.44,5.835,199-K-151,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-NR-2
570736.25,148585.89,40.0857142857143,199-K-152,_LOW,ChromComb,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,100-KR-4
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567551.544,145418.782,8.962,699-72-73,_LOW,ChromComb,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,200-BP-5
571420.823,145781.525,2.46,699-73-61,_2011,ChromComb,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100-KR-4
573385.973,146854.795,26.6,699-77-54,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-FR-3
570877.303,147166.224,3.5,699-78-62,_LOW,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
572969.753,149903.972,16.1,699-87-55,_LOW,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,100-NR-2
568327.31,146807.11,6.51,AT-K-1-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 120,100-KR-4
568801.243,147157.944,1.65,AT-K-2-D,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 113,100-KR-4
569180.026,147581.403,38.9,AT-K-3-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 108,100-KR-4
570123.114,148476.953,2,AT-K-4-M,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 94,100-KR-4
570358.927,148738.273,7.8,AT-K-5-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 90,100-KR-4
570642.437,149034.926,2,AT-K-6-D,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 87,100-NR-2
568033.65,146604.18,5.2,C6238,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 122,200-BP-5
568591.99,146978.85,5.8,C6241,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 117,100-KR-4
568695.11,147063.48,2.7,C6242,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 116,100-KR-4
568921.68,147276.15,9,C6247,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 112,100-KR-4
569309.54,147688.3,5.3,C6249,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 107,100-KR-4
569475.54,147898.5,8.3,C6252,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 102,100-KR-4
569711.5,148158.6,12.1,C6256,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 98,100-KR-4
569853.39,148265.88,2,C6257,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 96,100-KR-4
570214.85,148608.84,2,C6260,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 91,100-KR-4
570886.33,149365.43,4.6,C6265,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 85,100-NR-2
571023.87,149554.4,5,C6319,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 84,100-NR-2
571127.03,149679.68,6.1,C6322,_LOW,ChromComb,AQUIFER TUBE,R-X,1,1,MEAN_VAL_RPT + MAX OF GROUP 81,100-NR-2
571553.39,150267.91,3.55,C6325,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 62,100-NR-2
571741.35,150541.11,4.45,C6328,_LOW,ChromComb,AQUIFER TUBE,R-X,2,2,MEAN_VAL_RPT + MAX OF GROUP 59,100-NR-2
571872.77,150720.49,5.2,C6331,_LOW,ChromComb,AQUIFER TUBE,R-X,2,1,MEAN_VAL_RPT + MAX OF GROUP 58,100-NR-2
568490.69,146936.42,3.635,C7642,_LOW,ChromComb,AQUIFER TUBE,R-X,4,1,MEAN_VAL_RPT + MAX OF GROUP 118,100-KR-4
571346.96,149981.81,5,C7881,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 70,100-NR-2
570452,148876,2,DK-04-2,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 89,100-KR-4
571169,149776,5,N116mArray-0A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 79,100-NR-2
571452,150158.6563,5,N116mArray-10A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 66,100-NR-2
571482.0625,150184.4531,5,N116mArray-11A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 65,100-NR-2
571632,150391,5,N116mArray-15A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 60,100-NR-2
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571225,149859.9844,5,N116mArray-1A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 77,100-NR-2
571259.6875,149888.375,5,N116mArray-2A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 76,100-NR-2
571273.375,149911.8594,5,N116mArray-3A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 74,100-NR-2
571292.5,149925.2344,5,N116mArray-4A,_LOW,ChromComb,AQUIFER TUBE,R-X,2,0,MEAN_VAL_RPT + MAX OF GROUP 73,100-NR-2
571381.1875,150029.75,5,N116mArray-8A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 69,100-NR-2
571437.8125,150124.9844,5,N116mArray-9A,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 67,100-NR-2
571313.3125,149944.5625,5,NVP2-116.0,_LOW,ChromComb,AQUIFER TUBE,R-X,1,0,MEAN_VAL_RPT + MAX OF GROUP 72,100-NR-2
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100-KR-4_KW_KE_Strontium-90.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                  \nst, nugget effect
1    0.05  300.0   0.0   0.0                \it,cc,ang1,ang2,ang3
     700.0 350.0    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
569031.891,147394.208,4.4,19-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 110,100-KR-4
568697.4,146502.39,0.885,199-K-106A,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,100-KR-4
568579.94,146468.81,16,199-K-107A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
568578,146480,49.2,199-K-107A MIG,SOFTDATA,Strontium-90,NA,NA,NA,NA,SoftData Type 3,
568687.2,146396.14,1.03333333333333,199-K-108A,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,100-KR-4
569120,146760,13195,199-K-109A MIG,SOFTDATA,Strontium-90,NA,NA,NA,NA,SoftData Type 3,
569308.169,146968.875,1.079,199-K-111A,_2013,Strontium-90,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_MDA,100-KR-4
570278.602,148503.439,1.1,199-K-112A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
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570020.302,148280.55,6.5,199-K-114A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569939.988,148135.417,6.5,199-K-115A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569871.149,147960.495,4.1,199-K-116A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569702.56,147976.977,1.65,199-K-117A,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
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570017.165,147418.26,2.2,199-K-121A,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569975.068,147172.859,2.2,199-K-122A,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569931.103,147090.244,2.2,199-K-123A,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569867.938,146991.673,3.75,199-K-124A,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
569712.872,147866.006,1.9,199-K-125A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569539.234,147539.002,2.2,199-K-127,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
570009.538,147257.52,2.2,199-K-128,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569037.727,146682.13,1.2,199-K-13,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570478.99,148661.18,1.3,199-K-130,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570662,148903.85,1,199-K-131,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
568495.12,146670.82,1.75,199-K-132,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
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568493.07,146493.66,1.3,199-K-140,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,100-KR-4
569024.22,146818.49,33.9571428571429,199-K-141,_2013,Strontium-90,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_MDA,100-KR-4
569104.26,146870.94,1.2,199-K-142,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
570934.41,148088.28,4.9,199-K-143,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569163.34,147265.96,2.7,199-K-144,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569284.6,147425.66,0.735,199-K-145,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
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570411.64,148558.07,0.995,199-K-147,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
570584.74,148767.86,1,199-K-148,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570778.25,148970.74,1,199-K-149,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
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570941.32,148686.44,1.03333333333333,199-K-151,_2013,Strontium-90,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,100-NR-2
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570530.04,148210.08,0.99,199-K-153,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570321.06,148027.01,0.94,199-K-154,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
569674.01,147270.91,4.9,199-K-156,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
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569340,147459.97,1.25,199-K-162,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
570230.66,147947.93,1.1,199-K-163,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
571202.22,148903.74,4.9,199-K-164,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-NR-2
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568594.56,146342.97,1.1,199-K-166,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
568544.37,146513.63,0.91,199-K-168,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
569988.97,147554.98,4.9,199-K-169,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570009.01,147491.37,4.9,199-K-170,_2013,Strontium-90,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570544.03,147187.86,0.97,199-K-171,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
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568302.28,146439.7,1.208,199-K-183,_2013,Strontium-90,GROUNDWATER WELL,R-X,5,0,MEAN_VALOR_ND_MDA,200 BP 5
568618.68,146366.32,0.978333333333333,199-K-184,_2013,Strontium-90,GROUNDWATER WELL,R-X,6,0,MEAN_VALOR_ND_MDA,100 KR 4
568574.92,146726.17,1.056666666666667,199-K-185,_2013,Strontium-90,GROUNDWATER WELL,R X,6,0,MEAN_VALOR_ND_MDA,100-KR 4
569209.65,146625.36,1.25,199 K-186,_2013,Strontium 90,GROUNDWATER WELL,R X,4,1,MEAN_VALOR_ND_MDA,100 KR 4
569499,146054.68,1.204,199 K 187,_2013,Strontium 90,GROUNDWATER WELL,R-X,5,1,MEAN_VALOR_ND_MDA,100-KR 4
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569150.27,146809.68,0.9446,199-K-189,_2013,Strontium-90,GROUNDWATER WELL,R-X,5,1,MEAN_VALOR_ND_MDA,100 KR 4
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568835.28,146873.27,1.198,199 K 190,_2013,Strontium 90,GROUNDWATER WELL,R X,5,1,MEAN_VALOR_ND_MDA,100-KR-4
569711.2,146886.65,1.072,199 K-191,_2013,Strontium-90,GROUNDWATER WELL,R X,5,0,MEAN_VALOR_ND_MDA,100 KR 4
570641.99,146969.58,1.24,199 K 193,_2013,Strontium-90,GROUNDWATER WELL,R X,4,1,MEAN_VALOR_ND_MDA,100 KR 4
571315.65,147281.98,1.21,199 K-194,_2013,Strontium-90,GROUNDWATER WELL,R X,4,0,MEAN_VALOR_ND_MDA,100 KR 4
568433.3,146639.26,1.2425,199-K 196,_2013,Strontium 90,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_MDA,100-KR-4
569348.77,147528.77,1.325,199 K 197,_2013,Strontium-90,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_MDA,100 KR 4
569304.19,147551.86,1.328,199 K 198,_2013,Strontium 90,GROUNDWATER WELL,R X,4,0,MEAN_VALOR_ND_MDA,100-KR 4
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570216.203,148226.542,4.1,199-K 37,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
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571356.74,149966.26,21,199-N-350,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
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572182.237,149965.263,1,199-N-41,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
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571302.174,149249.655,1.6,199-N-72,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
571941.876,149156.143,1.6,199-N-74,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
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572019.16,149866.086,490,199-N-81,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
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571213.477,149800.762,5.9,199-N-96A,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571473.668,150151.407,1115,199-N-99A,_2013,Strontium-90,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
569603.828,148039.275,1.6,21-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 100,100-KR-4
569951.313,148359.468,8.8,22-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 95,100-KR-4
570225.5,148592.7,1.1,23-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 92,100-KR-4
567551.544,145418.782,1.6,699-72-73,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-BP-5
571420.823,145781.525,1.5,699-73-61,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
573385.973,146854.795,1.7,699-77-54,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-FR-3
572969.753,149903.972,1.6,699-87-55,_2011,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-NR-2
571276.5,149897.4844,270,APT1,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 75,100-NR-2
569180.026,147581.403,1,AT-K-3-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 108,100-KR-4
570123.114,148476.953,1,AT-K-4-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 94,100-KR-4
570356.51,148737.414,2.9,AT-K-5-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 90,100-KR-4
568695.11,147063.48,1.1,C6242,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 116,100-KR-4
568922.44,147279.52,1.2,C6245,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 112,100-KR-4
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569853.39,148265.88,3.8,C6257,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 96,100-KR-4
570887.19,149363.59,3.3,C6264,_2012,Strontium-90,AQUIFER TUBE,R-X,2,1,MAX_VALOR_ND_MDA + MAX OF GROUP 85,100-NR-2
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571128.66,149677.99,14,C6320,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 81,100-NR-2
571555.04,150269.68,200,C6323,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 62,100-NR-2
571346.96,149981.81,42,C7881,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 70,100-NR-2
571048.23,149577.5,310,C7934,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 83,100-NR-2
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571169,149776,3,N116mArray-0A,_2013,Strontium-90,AQUIFER TUBE,R-X,5,3,MAX_VALOR_ND_MDA + MAX OF GROUP 79,100-NR-2
571452,150158.6563,110,N116mArray-10A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 66,100-NR-2
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571632,150391,1.1,N116mArray-15A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,0,MAX_VALOR_ND_MDA + MAX OF GROUP 60,100-NR-2
571225,149859.9844,110,N116mArray-1A,_2013,Strontium-90,AQUIFER TUBE,R-X,3,2,MAX_VALOR_ND_MDA + MAX OF GROUP 77,100-NR-2
571259.6875,149888.375,18,N116mArray-2A,_2013,Strontium-90,AQUIFER TUBE,R-X,3,3,MAX_VALOR_ND_MDA + MAX OF GROUP 76,100-NR-2
571273.375,149911.8594,240,N116mArray-3A,_2013,Strontium-90,AQUIFER TUBE,R-X,5,5,MAX_VALOR_ND_MDA + MAX OF GROUP 74,100-NR-2
571292.5,149925.2344,280,N116mArray-4A,_2013,Strontium-90,AQUIFER TUBE,R-X,6,6,MAX_VALOR_ND_MDA + MAX OF GROUP 73,100-NR-2
571325.4375,149955.7344,130,N116mArray-6A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 71,100-NR-2
571404.5625,150074.5469,64,N116mArray-8.5A,_2012,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 68,100-NR-2
571381.1875,150029.75,1.6,N116mArray-8A,_2013,Strontium-90,AQUIFER TUBE,R-X,3,1,MAX_VALOR_ND_MDA + MAX OF GROUP 69,100-NR-2
571437.8125,150124.9844,230,N116mArray-9A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 67,100-NR-2
571313.3125,149944.5625,870,NVP2-116.0,_2013,Strontium-90,AQUIFER TUBE,R-X,7,7,MAX_VALOR_ND_MDA + MAX OF GROUP 72,100-NR-2
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568577,146597,14.21,Sr90 2-West,SOFTDATA,Strontium-90,NA,NA,NA,NA,SoftData Type 3,

100-KR-4_Nitrate.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                  \nst, nugget effect
1    0.5  300.0   0.0   0.0                \it,cc,ang1,ang2,ang3
     700.0 350.0    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
XCOORDS,YCQORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
567231.722,146055.169,22500,12-D,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 124,200-BP-5
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568712.6,147064.32,1860,18-S,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 115,100-KR-4
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570020.302,148280.55,1105,199-K-114A,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,100-KR-4
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570560.09,148536.26,177,199-K-133,_2013,Nitrate,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
570600.09,148525.3,177,199-K-134,_2013,Nitrate,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,100-KR-4
570589.3,148484.1,131.266666666667,199-K-135,_2013,Nitrate,GROUNDWATER WELL,R-X,3,1,MEAN_VAL_RPT,100-KR-4
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571313.3125,149944.5625,9430,NVP2 116.0,_2013,Nitrate,AQUIFER TUBE,R-X,7,7,MAX_VAL_RPT + MAX OF GROUP 72,100-NR-2
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100-KR-4_Trichloroethene.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                  \nst, nugget effect
1    0.05  300.0   0.0   0.0                \it,cc,ang1,ang2,ang3
     700.0 350.0    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 BACKTRANXCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
568697.4,146502.39,2.13333333333333,199-K-106A,_2013,Trichloroethene,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,100-KR-4
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570941.32,148686.44,0.5,199-K-151,_2013,Trichloroethene,GROUNDWATER WELL,R-X,3,0,MEAN_VAL_RPT,100-NR-2
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568882.72,146008.84,4.8,199-K-175,_2013,Trichloroethene,NA,NA,NA,NA,SoftData Type 1,100-KR-4
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100-KR-4_Tritium.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                  \nst, nugget effect
1    0.5  300.0   0.0   0.0                \it,cc,ang1,ang2,ang3
     700.0 350.0    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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571632,150391,330,N116mArray-15A,_2013,Tritium,AQUIFER TUBE,R-X,2,0,MAX_VALOR_ND_MDA + MAX OF GROUP 60,100-NR-2
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100-NR-2_Nitrate.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   0.3 0.5 0.5 0.5 0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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573385.973,146854.795,1.7,699-77-54,_2011,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-FR-3
572969.753,149903.972,1.6,699-87-55,_2011,Strontium-90,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-NR-2
571276.5,149897.4844,270,APT1,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 75,100-NR-2
569180.026,147581.403,1,AT-K-3-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 108,100-KR-4
570123.114,148476.953,1,AT-K-4-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 94,100-KR-4
570356.51,148737.414,2.9,AT-K-5-M,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 90,100-KR-4
568695.11,147063.48,1.1,C6242,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 116,100-KR-4
568922.44,147279.52,1.2,C6245,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 112,100-KR-4
569713.15,148159.94,1.3,C6254,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 98,100-KR-4
569853.39,148265.88,3.8,C6257,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 96,100-KR-4
REM570887.19,149363.59,3.3,C6264,_2012,Strontium-90,AQUIFER TUBE,R-X,2,1,MAX_VALOR_ND_MDA + MAX OF GROUP 85,100-NR-2
REM571026.84,149554.8,2.5,C6318,_2013,Strontium-90,AQUIFER TUBE,R-X,2,1,MAX_VALOR_ND_MDA + MAX OF GROUP 84,100-NR-2
571128.66,149677.99,14,C6320,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 81,100-NR-2
571555.04,150269.68,200,C6323,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 62,100-NR-2
571346.96,149981.81,42,C7881,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 70,100-NR-2
REM571048.23,149577.5,310,C7934,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 83,100-NR-2
571081.92,149621.34,1.3,C7937,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 82,100-NR-2
571169,149776,3,N116mArray-0A,_2013,Strontium-90,AQUIFER TUBE,R-X,5,3,MAX_VALOR_ND_MDA + MAX OF GROUP 79,100-NR-2
571452,150158.6563,110,N116mArray-10A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 66,100-NR-2
571482.0625,150184.4531,570,N116mArray-11A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 65,100-NR-2
571512,150219.1563,45,N116mArray-12A,_2012,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 64,100-NR-2
571632,150391,1.1,N116mArray-15A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,0,MAX_VALOR_ND_MDA + MAX OF GROUP 60,100-NR-2
571225,149859.9844,110,N116mArray-1A,_2013,Strontium-90,AQUIFER TUBE,R-X,3,2,MAX_VALOR_ND_MDA + MAX OF GROUP 77,100-NR-2
571259.6875,149888.375,18,N116mArray-2A,_2013,Strontium-90,AQUIFER TUBE,R-X,3,3,MAX_VALOR_ND_MDA + MAX OF GROUP 76,100-NR-2
571273.375,149911.8594,240,N116mArray-3A,_2013,Strontium-90,AQUIFER TUBE,R-X,5,5,MAX_VALOR_ND_MDA + MAX OF GROUP 74,100-NR-2
571292.5,149925.2344,280,N116mArray-4A,_2013,Strontium-90,AQUIFER TUBE,R-X,6,6,MAX_VALOR_ND_MDA + MAX OF GROUP 73,100-NR-2
571325.4375,149955.7344,130,N116mArray-6A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 71,100-NR-2
571404.5625,150074.5469,64,N116mArray-8.5A,_2012,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 68,100-NR-2
571381.1875,150029.75,1.6,N116mArray-8A,_2013,Strontium-90,AQUIFER TUBE,R-X,3,1,MAX_VALOR_ND_MDA + MAX OF GROUP 69,100-NR-2
571437.8125,150124.9844,230,N116mArray-9A,_2013,Strontium-90,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 67,100-NR-2
571313.3125,149944.5625,870,NVP2-116.0,_2013,Strontium-90,AQUIFER TUBE,R-X,7,7,MAX_VALOR_ND_MDA + MAX OF GROUP 72,100-NR-2
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100-NR-2_TPH_Dec2013.dat

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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
     4000.0 2000.0    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
571321,149678,70,CP_2013_43
571293.97,149705.43,1470,199-N-169
571296.70,149740.08,11490,199-N-171
571317.38,149794.61,50,199-N-3
571269.69,149756.01,3916,199-N-183
571213.48,149800.76,303,199-N-96A
571193.02,149759.67,1213,199-N-173
571209.05,149702.45,205.4,199-N-19
571375.87,149703.50,67,199-N-56
571165.27,149734.96,150,C6132
571169.00,149776.00,179.6,N116mArray-0A
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100-NR-2_TPH_June2013.dat

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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
     4000.0 2000.0    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
571293.97,149705.43,2229,199-N-169
571296.70,149740.08,7550,199-N-171
571317.38,149794.61,80,199-N-3
571269.69,149756.01,4307,199-N-183
571213.48,149800.76,90.2,199-N-96A
571193.02,149759.67,5750,199-N-173
571209.05,149702.45,380,199-N-19
571375.87,149703.50,189.8,199-N-56
571165.27,149734.96,185,C6132
571169.00,149776.00,1464,N116mArray-0A
571321,149678,70,CP_2013_43,SOFTDATA,Total petroleum hydrocarbons - diesel range,NA,NA,NA,NA,SoftData Type 3,
```

100-NR-2_Tritium.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
    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
568480.003,146895.929,310,17-D,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 119,100-KR-4
568712.6,147064.32,270,18-S,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 115,100-KR-4
569032.057,147394.816,270,19-D,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 110,100-KR-4
568697.4,146502.39,1902.6,199-K-106A,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,100-KR-4
568579.94,146468.81,1450,199-K-107A,_2013,Tritium,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,100-KR-4
568687.2,146396.14,470,199-K-108A,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-KR-4
568938.002,146617.756,490,199-K-11,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
569230.007,146677.91,290,199-K-110A,_2013,Tritium,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
569308.169,146968.875,36116.6666666667,199-K-111A,_2013,Tritium,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_MDA,100-KR-4
570098.07,148294.453,280,199-K-113A,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570020.302,148280.55,280,199-K-114A,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
569939.988,148135.417,340,199-K-115A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569871.149,147960.495,2200,199-K-116A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569702.56,147976.977,290,199-K-117A,_2013,Tritium,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
569661.802,147649.688,1700,199-K-119A,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
569399.615,147518.477,7500,199-K-120A,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
570017.165,147418.26,9250,199-K-121A,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569975.068,147172.859,9250,199-K-122A,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569931.103,147090.244,9250,199-K-123A,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569867.938,146991.673,13333.3333333333,199-K-124A,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-KR-4
569712.872,147866.006,2400,199-K-125A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569539.234,147539.002,14000,199-K-127,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
570283.65,148503.07,310,199-K-129,_2013,Tritium,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
569037.727,146682.13,270,199-K-13,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570478.99,148661.18,1100,199-K-130,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
570662,148903.85,1500,199-K-131,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
568495.12,146670.82,2575,199-K-132,_2013,Tritium,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,100-KR-4
568653.37,146374.51,1766.66666666667,199-K-137,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-KR-4
568395.22,146616.64,1100,199-K-138,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
568551.39,146518.39,3600,199-K-139,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569024.22,146818.49,4931.42857142857,199-K-141,_2013,Tritium,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_MDA,100-KR-4
569104.26,146870.94,290,199-K-142,_2013,Tritium,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
570934.41,148088.28,1700,199-K-143,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569163.34,147265.96,16000,199-K-144,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569284.6,147425.66,25966.6666666667,199-K-145,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-KR-4
570197.6,148379.78,280,199-K-146,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570411.64,148558.07,570,199-K-147,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
570584.74,148767.86,2300,199-K-148,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
570778.25,148970.74,1600,199-K-149,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
570787.67,149051.93,1700,199-K-150,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
570941.32,148686.44,1633.33333333333,199-K-151,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-NR-2
570736.25,148585.89,1300,199-K-152,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
570530.04,148210.08,860,199-K-153,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
570321.06,148027.01,1300,199-K-154,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
569674.01,147270.91,1700,199-K-156,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569432.18,147167.94,4660,199-K-157,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,100-KR-4
568627.45,146164.41,1550,199-K-158,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570911.73,149159.61,1700,199-K-159,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-NR-2
570919.58,149116.02,1700,199-K-160,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-NR-2
570004.64,148202.3,340,199-K-161,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
569340,147459.97,2900,199-K-162,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
570230.66,147947.93,2800,199-K-163,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
571202.22,148903.74,1700,199-K-164,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-NR-2
568674.96,146342.42,1400,199-K-165,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
568594.56,146342.97,1500,199-K-166,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
568544.37,146513.63,1520,199-K-168,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-KR-4
569988.97,147554.98,1700,199-K-169,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570009.01,147491.37,1700,199-K-170,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
570544.03,147187.86,3600,199-K-171,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
570871.69,147166.37,1700,199-K-172,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568674.07,146266.88,1200,199-K-173,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,100-KR-4
568915.38,146222.47,1550,199-K-174,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568882.72,146008.84,1550,199-K-175,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568963.01,146954.43,1916.66666666667,199-K-178,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-KR-4
569847.25,147481.92,9250,199-K-179,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
569353.687,147400.811,30633.3333333333,199-K-18,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-KR-4
571116.08,147449.14,1700,199-K-180,_2013,Tritium,NA,NA,NA,NA,SoftData Type 1,100-KR-4
568849.75,146892.82,430,199-K-181,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
571185.32,148350.24,1205,199-K-182,_2013,Tritium,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,100-KR-4
568618.68,146366.32,1483.33333333333,199-K-184,_2013,Tritium,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_MDA,100-KR-4
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568574.92,146726.17,756.666666666667,199-K-185,_2013,Tritium,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_MDA,100-KR-4
569209.65,146625.36,327.5,199-K-186,_2013,Tritium,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_MDA,100-KR-4
569499,146054.68,838,199-K-187,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,100-KR-4
569386.8,146370.11,372,199-K-188,_2013,Tritium,GROUNDWATER WELL,R-X,5,4,MEAN_VALOR_ND_MDA,100-KR-4
569150.27,146809.68,7806,199-K-189,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,100-KR-4
569458.517,147386.64,2500,199-K-19,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-KR-4
568835.28,146873.27,413.4,199-K-190,_2013,Tritium,GROUNDWATER WELL,R-X,5,4,MEAN_VALOR_ND_MDA,100-KR-4
569711.2,146886.65,5340,199-K-191,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,100-KR-4
570641.99,146969.58,297.5,199-K-193,_2013,Tritium,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_MDA,100-KR-4
571315.65,147281.98,397.5,199-K-194,_2013,Tritium,GROUNDWATER WELL,R-X,4,1,MEAN_VALOR_ND_MDA,100-KR-4
568433.3,146639.26,1087.5,199-K-196,_2013,Tritium,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,100-KR-4
569348.77,147528.77,7350,199-K-197,_2013,Tritium,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,100-KR-4
569304.19,147551.86,8620,199-K-198,_2013,Tritium,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,100-KR-4
569339.76,147585.3,4266.66666666667,199-K-199,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-KR-4
569520.516,147687.239,13000,199-K-20,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
569426.14,147253.55,2806,199-K-200,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,100-KR-4
570092.13,148069.13,453.142857142857,199-K-201,_2013,Tritium,GROUNDWATER WELL,R-X,7,4,MEAN_VALOR_ND_MDA,100-KR-4
569769.902,147932.06,300,199-K-21,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
570023.697,148097.376,1435,199-K-22,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
569081.848,146635.8,340,199-K-23,_2012,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
569024.15,147006.68,3216.66666666667,199-K-32A,_2013,Tritium,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_MDA,100-KR-4
568605.78,146501.94,2200.66666666667,199-K-34,_2013,Tritium,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_MDA,100-KR-4
569373.61,146390.47,326.666666666667,199-K-36,_2013,Tritium,GROUNDWATER WELL,R-X,3,1,MEAN_VALOR_ND_MDA,100-KR-4
570216.203,148226.542,315,199-K-37,_2013,Tritium,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-KR-4
571424.79,149903.68,9000,199-N-103A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571778.32,149542.63,9700,199-N-104A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571602.3,150024.96,11850,199-N-105A,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571737.6,150150.85,11000,199-N-106A,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571364.5,149968.34,280,199-N-119,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
571366.18,149970.76,1100,199-N-120,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571368.29,149973.29,8100,199-N-121,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571318.48,149928.81,290,199-N-122,_2013,Tritium,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,100-NR-2
571282.86,149889.37,850,199-N-123,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571713.1,150243.37,10500,199-N-14,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571298.8,149909.74,670,199-N-146,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571338.34,149946.51,340,199-N-147,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
571281.371,149441.846,300,199-N-16,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571261.01,149155.16,392.75,199-N-165,_2013,Tritium,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_MDA,100-NR-2
571296.75,149698.29,2200,199-N-167,_2011,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571293.97,149705.43,2365,199-N-169,_2011,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571288.51,149714.84,2000,199-N-170,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571296.7,149740.08,3900,199-N-171,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571263.29,149738.54,2000,199-N-172,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571193.02,149759.67,1300,199-N-173,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571261.608,149752.123,3000,199-N-18,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571269.69,149756.01,3500,199-N-183,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571430.74,149817.82,7600,199-N-184,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571546.33,150237.98,10000,199-N-185,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571480.87,149715.06,35400,199-N-186,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,100-NR-2
571565.9,149897.961,14200,199-N-187,_2013,Tritium,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_MDA,100-NR-2
571906.94,149581.53,8825,199-N-188,_2013,Tritium,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,100-NR-2
571431.65,148430.52,3000,199-N-189,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571209.054,149702.446,1200,199-N-19,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571476.209,149859.433,5215,199-N-2,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
572052.617,149659.789,5700,199-N-27,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571955.271,149476.654,9800,199-N-28,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571317.375,149794.61,3000,199-N-3,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571907.616,149708.497,15000,199-N-32,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571737.41,149653.887,9100,199-N-34,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
572182.237,149965.263,7000,199-N-41,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571326.971,149921.348,1196.66666666667,199-N-46,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-NR-2
572090.901,150298.79,5500,199-N-50,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571796.1,150496.966,3500,199-N-51,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571375.871,149703.495,3000,199-N-56,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571413.173,149542.05,2700,199-N-57,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571561.412,149551.177,8100,199-N-64,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571494.163,149798.948,4000,199-N-67,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571483.887,149804.803,11000,199-N-69,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571588.815,148982.169,538.333333333333,199-N-71,_2013,Tritium,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_MDA,100-NR-2
571302.174,149249.655,1700,199-N-72,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571941.876,149156.143,8000,199-N-74,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571523.58,150060.72,8395,199-N-75,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
571560.08,150122.12,10443.3333333333,199-N-76,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,100-NR-2
572019.16,149866.086,10000,199-N-81,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571647.42,150383.528,4500,199-N-92A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571213.477,149800.762,310,199-N-96A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
571473.668,150151.407,5845,199-N-99A,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
569603.828,148039.275,310,21-M,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 100,100-KR-4
569951.313,148359.468,310,22-D,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 95,100-KR-4
570547,149001,300,25-D,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 88,100-NR-2
570725,149148,1600,26-D,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 86,100-NR-2
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569021.847,144845.401,10000,699-70-68,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-BP-5
571420.823,145781.525,280,699-73-61,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-KR-4
573385.973,146854.795,1700,699-77-54,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-FR-3
570877.303,147166.224,1550,699-78-62,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-KR-4
572969.753,149903.972,4400,699-87-55,_2011,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,100-NR-2
568327.31,146807.11,310,AT-K-1-D,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 120,100-KR-4
568801.243,147157.944,270,AT-K-2-D,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 113,100-KR-4
569178.215,147581.051,7700,AT-K-3-D,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 108,100-KR-4
570123.114,148476.953,310,AT-K-4-M,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 94,100-KR-4
570358.927,148738.273,250,AT-K-5-D,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 90,100-KR-4
570639.55,149032.947,300,AT-K-6-M,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 87,100-NR-2
568591.99,146978.85,310,C6241,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 117,100-KR-4
568694.13,147063.98,270,C6244,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 116,100-KR-4
568921.68,147276.15,440,C6247,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 112,100-KR-4
569314.98,147686.21,9900,C6250,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 107,100-KR-4
569464.26,147897.15,4200,C6253,_2013,Tritium,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 102,100-KR-4
569711.5,148158.6,310,C6256,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 98,100-KR-4
569850.48,148271.31,310,C6259,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 96,100-KR-4
570209.67,148618.5,310,C6261,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 91,100-KR-4
570886.33,149365.43,1600,C6265,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 85,100-NR-2
571023.87,149554.4,1100,C6319,_2013,Tritium,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 84,100-NR-2
571127.03,149679.68,1300,C6322,_2013,Tritium,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 81,100-NR-2
571553.39,150267.91,8400,C6325,_2013,Tritium,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 62,100-NR-2
571741.35,150541.11,1600,C6328,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 59,100-NR-2
571872.77,150720.49,1500,C6331,_2013,Tritium,AQUIFER TUBE,R-X,3,3,MAX_VALOR_ND_MDA + MAX OF GROUP 58,100-NR-2
568490.69,146936.42,380,C7642,_2013,Tritium,AQUIFER TUBE,R-X,5,0,MAX_VALOR_ND_MDA + MAX OF GROUP 118,100-KR-4
571048.23,149577.5,120000,C7934,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 83,100-NR-2
571081.92,149621.34,13000,C7937,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 82,100-NR-2
570452,148876,300,DK-04-2,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 89,100-KR-4
571632,150391,330,N116mArray-15A,_2013,Tritium,AQUIFER TUBE,R-X,2,0,MAX_VALOR_ND_MDA + MAX OF GROUP 60,100-NR-2
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100-NR_C7934_Strontium-90.dat

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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
     80.0 40.0    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
571281.371,149441.846,0.92,199-N-16,_2012,Strontium-90,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,100-NR-2
571177.777,149629.409,1.8,199-N-21,_2013,Strontium-90,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,100-NR-2
570887.19,149363.59,3.3,C6264,_2012,Strontium-90,AQUIFER TUBE,R-X,2,1,MAX_VALOR_ND_MDA + MAX OF GROUP 85,100-NR-2
571025.32,149554.57,2.1,C6317,_2013,Strontium-90,AQUIFER TUBE,R-X,2,1,MAX_VALOR_ND_MDA + MAX OF GROUP 84,100-NR-2
571048.23,149577.5,310,C7934,_2013,Strontium-90,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 83,100-NR-2
571081.92,149621.34,1.3,C7937,_2013,Strontium-90,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 82,100-NR-2
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200-BP-5_ChromComb.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
567231.722,146055.169,4.4,12-D,_2013,ChromComb,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 124,200-BP-5
567870,146429,3.1,14-D,_2013,ChromComb,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 123,200-BP-5
568302.28,146439.7,7.804,199-K-183,_2013,ChromComb,GROUNDWATER WELL,R-X,10,9,MEAN_VAL_RPT,200-BP-5
568177.564,146591.114,6.49666666666667,199-K-31,_2013,ChromComb,GROUNDWATER WELL,R-X,6,6,MEAN_VAL_RPT,200-BP-5
573386.512,134207.559,5.05,299-E13-11,_2011,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,200-PO-1
573087.497,134474.132,28,299-E13-14,_2011,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
573277.657,134061.013,7,299-E13-19,_2011,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
573607.493,134319.579,5,299-E13-5,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,200-PO-1
576129.205,135419.286,6,299-E16-2,_2011,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
574905.372,135125.906,8,299-E17-12,_2011,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
574948.031,135172.575,14,299-E17-13,_2011,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,200-PO-1
575140.608,135333.739,14,299-E17-14,_2011,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,200-PO-1
575145.774,135210.78,14,299-E17-16,_2011,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,200-PO-1
575112.433,135123.586,14,299-E17-18,_2011,ChromComb,GROUNDWATER WELL,R-X,2,0,MEAN_VAL_RPT,200-PO-1
575017.183,135414.871,8,299-E17-19,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
574106.801,134893.429,16.2,299-E17-21,_2012,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
574841.09,135195.537,5,299-E17-22,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,200-PO-1
574694.483,134842.439,15,299-E17-23,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
574515.185,134845.567,8.9,299-E17-25,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
574662.61,135025.06,9.6,299-E17-26,_2013,ChromComb,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
573296.567,135200.161,5,299-E18-1,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,200-PO-1
574647.088,135469.764,5,299-E24-18,_2012,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,200-PO-1
575251.1,136049.4,7.575,299-E24-20,_2013,ChromComb,GROUNDWATER WELL,R-X,4,3,MEAN_VAL_RPT,200-PO-1
574635.761,135698.2,5,299-E24-21,_2013,ChromComb,GROUNDWATER WELL,R-X,1,0,MEAN_VAL_RPT,200-PO-1
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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200-BP-5_Cyanide_S.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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567883.669,143107.924,0.221,699-65-72,_2012,Iodine-129,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-BP-5
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587476.025,138683.515,0.226,84-M,_2013,Iodine-129,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 233,200-PO-1
588052.7,138256.786,0.208,85-D,_2012,Iodine-129,AQUIFER TUBE,R-X,3,0,MAX_VALOR_ND_MDA + MAX OF GROUP 145,200-PO-1
588333.214,138068.172,0.309,86-M,_2013,Iodine-129,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 146,200-PO-1
591487.2,134707.74,0.226,C6353,_2012,Iodine-129,AQUIFER TUBE,R-X,2,0,MAX_VALOR_ND_MDA + MAX OF GROUP 148,200-PO-1
589905.77,137046.73,0.222,C6384,_2013,Iodine-129,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 147,200-PO-1
578565,132502,1.5,CP_14,SOFTDATA,Iodine-129,NA,NA,NA,NA,SoftData Type 3,
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572992.3441,139131.9204,0,CP05,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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576147.743,138061.9863,0,CP10,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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581515.5481,140002.3753,0,CP24,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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564505.4091,142686.2778,0,CP35,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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587200,136350,0,CP39,SOFTDATA,Iodine-129,NA,NA,NA,NA,SoftData Type 2,
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200-BP-5_Nitrate.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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
567231.722,146055.169,22500,12-D,_2013,Nitrate,AQUIFER TUBE,R-X,1,1,MAX_VAL_RPT + MAX OF GROUP 124,200-BP-5
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568302.28,146439.7,24840,199-K-183,_2013,Nitrate,GROUNDWATER WELL,R-X,5,5,MEAN_VAL_RPT,200-BP-5
568177.564,146591.114,25400,199-K-31,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,200-BP-5
573386.512,134207.559,7480,299-E13-11,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
573087.497,134474.132,13200,299-E13-14,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
573277.657,134061.013,9300,299-E13-19,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
573607.493,134319.579,9470,299-E13-5,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
576129.205,135419.286,8770,299-E16-2,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
574977.079,135386.153,55300,299-E17-1,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
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575630.063,136267.589,14600,299-E25-10,_2011,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
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564505.4091,142686.2778,0,CP35,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
563852.568,142867.6226,0,CP36,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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574905.372,135125.906,54400,299-E17-12,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
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575140.608,135333.739,113000,299-E17-14,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                    \nst, nugget effect
1    0.01    335.0    0.0    0.0            \it,cc,ang1,ang2,ang3
     1300.0 500.0    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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567551.544,145418.782,13,699-72-73,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-BP-5
587477.148,138683,9.19,84-S,_2013,Technetium-99,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 233,200-PO-1
588052.7,138256.786,6.1,85-D,_2012,Technetium-99,AQUIFER TUBE,R-X,3,0,MAX_VALOR_ND_MDA + MAX OF GROUP 145,200-PO-1
588333.214,138068.172,10.5,86-M,_2013,Technetium-99,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 146,200-PO-1
591487.2,134707.74,75,C6353,_2012,Technetium-99,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 148,200-PO-1
589905.77,137046.73,52,C6384,_2013,Technetium-99,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 147,200-PO-1
REM575023,136311,900,CP_2013_20,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM575163,136286,3000,CP_2013_21,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM575139,136140,900,CP_2013_22,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM575141,136450,17000,CP_2013_23,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM575204,136209,2000,CP_2013_24,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM575375,136086,900,CP_2013_25,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM575261,136480,5000,CP_2013_26,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
573201,139448,2500,CP_2013_36,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
573384,139207,2500,CP_2013_37,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
573488,138977,2500,CP_2013_38,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
574787.6573,137608.6244,0,CP02,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
574044.1438,138116.3898,0,CP03,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
573817,138560,0,CP04,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
572992.3441,139131.9204,0,CP05,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
575930.1293,137554.221,0,CP06,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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574950.8676,139095.6515,0,CP08,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
574279.8919,139549.0134,0,CP09,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
576147.743,138061.9863,0,CP10,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
582277.1961,139675.9547,0,CP11,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
580572.5553,140292.5269,0,CP12,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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579194.3351,140637.082,0,CP14,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
578414.5526,140818.4268,0,CP15,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
577671.0391,141126.7129,0,CP16,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
577036.3324,141326.1921,0,CP17,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
576383.4912,141471.2679,0,CP18,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
575676.2466,141580.0748,0,CP19,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
574950.8676,141688.8816,0,CP20,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
574352.4299,141870.2264,0,CP21,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
573772.1266,142051.5712,0,CP22,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
573119.2855,142232.9159,0,CP23,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
581515.5481,140002.3753,0,CP24,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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569855.0797,140510.1407,0,CP27,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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568295.5147,141453.1334,0,CP29,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
567678.9425,141707.0161,0,CP30,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
567080.5048,141906.4954,0,CP31,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
566355.1257,142124.1091,0,CP32,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
565684.1501,142323.5883,0,CP33,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
565085.7124,142504.9331,0,CP34,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
564505.4091,142686.2778,0,CP35,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
563852.568,142867.6226,0,CP36,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
567231.722,146055.169,37,12-D,_2013,Technetium-99,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 124,200-BP-5
567870,146429,57,14-D,_2013,Technetium-99,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 123,200-BP-5
568302.28,146439.7,50.28,199-K-183,_2013,Technetium-99,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,200-BP-5
568177.564,146591.114,65,199-K-31,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-BP-5
573386.512,134207.559,6.8,299-E13-11,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-PO-1
573087.497,134474.132,7.4,299-E13-14,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-PO-1
573277.657,134061.013,7.4,299-E13-19,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-PO-1
573607.493,134319.579,6.9,299-E13-5,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-PO-1
574977.079,135386.153,32,299-E17-1,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575140.608,135333.739,44.5,299-E17-14,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-PO-1
575145.774,135210.78,38,299-E17-16,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575112.433,135123.586,26,299-E17-18,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575017.183,135414.871,76.5,299-E17-19,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-PO-1
574106.801,134893.429,7.7,299-E17-21,_2012,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
574841.09,135195.537,23,299-E17-22,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
574694.483,134842.439,13,299-E17-23,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
574515.185,134845.567,13,299-E17-25,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
574662.61,135025.06,12,299-E17-26,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
573296.567,135200.161,6.8,299-E18-1,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-PO-1
575017.622,135464.364,34,299-E24-16,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
574647.088,135469.764,48,299-E24-18,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575251.1,136049.4,297.5,299-E24-20,_2013,Technetium-99,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-PO-1
574635.761,135698.2,35,299-E24-21,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575262.68,136142.82,1065,299-E24-22,_2013,Technetium-99,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-PO-1
575205.22,135517.81,200,299-E24-23,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
574179.77,135459.3,26,299-E24-24,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
574598.56,136287.23,62,299-E24-25,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-BP-5
575325.4,136251.45,527.5,299-E24-33,_2013,Technetium-99,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-PO-1
575630.063,136267.589,11.3,299-E25-10,_2011,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575760.245,135702.51,200,299-E25-17,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575852.333,135659.027,95,299-E25-19,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575513.755,136061.871,93,299-E25-2,_2013,Technetium-99,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-PO-1
575327.99,135965.34,1100,299-E25-236,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575464.675,136212.317,20.8571428571429,299-E25-40,_2013,Technetium-99,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_MDA,200-PO-1
575466.061,136145.925,670,299-E25-41,_2013,Technetium-99,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-PO-1
575622.8,135887.6,82,299-E25-42,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575471.51,136022.09,1717.5,299-E25-93,_2013,Technetium-99,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-PO-1
575409.17,136012.43,580,299-E25-94,_2013,Technetium-99,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,200-PO-1
575614.417,136337.765,8.76333333333333,299-E26-5,_2011,Technetium-99,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,200-PO-1
575100.298,137052.481,22.05,299-E27-10,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
574652.93,137062.736,7.1,299-E27-11,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,200-BP-5
575054.135,136583.533,6.9,299-E27-12,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,200-BP-5
575064.916,136489.226,1833.33333333333,299-E27-13,_2013,Technetium-99,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,200-BP-5
575217.341,136498.244,8520,299-E27-14,_2013,Technetium-99,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_MDA,200-BP-5
575095.256,136630.359,24.1,299-E27-15,_2013,Technetium-99,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-BP-5
575003.11,136429.08,920,299-E27-155,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
574547.31,137122.01,6.95,299-E27-17,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,200-BP-5
574355.07,137103.59,120,299-E27-19,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-BP-5
575145.03,136407.21,18750,299-E27-21,_2013,Technetium-99,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-BP-5
575185.1,136685.33,12.4,299-E27-22,_2013,Technetium-99,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-BP-5
575069.46,136452.23,7600,299-E27-23,_2013,Technetium-99,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-BP-5
575212.03,136436.28,4833.33333333333,299-E27-24,_2013,Technetium-99,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,200-BP-5
575361.99,136709.23,6.85,299-E27-25,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_MDA,200-BP-5
575032.02,136497.92,1896.66666666667,299-E27-4,_2013,Technetium-99,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,200-BP-5
575220.59,136619.403,16.625,299-E27-7,_2013,Technetium-99,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-BP-5
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574917.649,137040.904,15,299-E27-9,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
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572804.351,137108.259,23,299-E28-28,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
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573140.34,136550.79,76,299-E28-30,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-BP-5
REM574033.843,136856.669,660,299-E28-5,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-BP-5
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573467.15,136403.12,55,299-E29-54,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-BP-5
572951.13,137741.69,3000,299-E32-10,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
572648.02,137467.509,28,299-E32-2,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
572600.614,137383.996,12,299-E32-3,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
572603.743,137187.218,30.5,299-E32-4,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
572599.697,137285.125,18,299-E32-5,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
572600.4,137515.1,30,299-E32-6,_2013,Technetium-99,GROUNDWATER WELL,R X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
572600.38,137647.05,50,299-E32-7,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
572663.39,137741.47,805,299-E32-8,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
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573985.612,137567.216,19000,299-E33-14,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
573810.288,137540.698,21000,299-E33-15,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
573791.692,137465.297,30000,299-E33 16,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
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573779.166,137386.064,35500,299-E33 18,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
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573847.598,137397.913,10050,299-E33 20,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
573474.469,137293.207,1020,299-E33-21,_2012,Technetium 99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200 BP-5
573333.348,137681.471,9440,299-E33-26,_2012,Technetium-99,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,200-BP-5
572866.03,137467.96,460,299-E33-265,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
572828.95,137467.95,280,299-E33-266,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-BP-5
573226.365,137375.019,2600,299-E33-28,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
573227.858,137231.193,320,299-E33-29,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP 5
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572923.796,137467.779,490,299-E33-30,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
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573514.716,137256.371,2450,299-E33-334,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP 5
573568.442,137222.229,2245,299-E33-335,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
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588052.7,138256.786,6.1,85-D,_2012,Technetium-99,AQUIFER TUBE,R-X,3,0,MAX_VALOR_ND_MDA + MAX OF GROUP 145,200-PO-1
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REM575139,136140,900,CP_2013_22,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM575141,136450,17000,CP_2013_23,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM575204,136209,2000,CP_2013_24,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM575375,136086,900,CP_2013_25,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM575261,136480,5000,CP_2013_26,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM573201,139448,2500,CP_2013_36,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM573384,139207,2500,CP_2013_37,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM573488,138977,2500,CP_2013_38,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
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564505.4091,142686.2778,0,CP35,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
563852.568,142867.6226,0,CP36,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                    \nst, nugget effect
1    0.05    15.0    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   3
  900    9000   90000
TRANSFORM MIK BACKTRAN
7 3
450    900  1500 5000 9000  20000   100000
0.1    0.1   .1   0.1  0.1  0.5     0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
567231.722,146055.169,37,12-D,_2013,Technetium-99,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 124,200-BP-5
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568302.28,146439.7,50.28,199-K-183,_2013,Technetium-99,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,200-BP-5
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573386.512,134207.559,6.8,299-E13-11,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-PO-1
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574977.079,135386.153,32,299-E17-1,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
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575145.774,135210.78,38,299-E17-16,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575112.433,135123.586,26,299-E17-18,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
575017.183,135414.871,76.5,299-E17-19,_2013,Technetium-99,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-PO-1
574106.801,134893.429,7.7,299-E17-21,_2012,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
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574694.483,134842.439,13,299-E17-23,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
574515.185,134845.567,13,299-E17-25,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
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573296.567,135200.161,6.8,299-E18-1,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-PO-1
575017.622,135464.364,34,299-E24-16,_2013,Technetium-99,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,200-PO-1
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591487.2,134707.74,75,C6353,_2012,Technetium-99,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 148,200-PO-1
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575139,136140,900,CP_2013_22,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
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REM573384,139207,2500,CP_2013_37,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
REM573488,138977,2500,CP_2013_38,SOFTDATA,Technetium-99,NA,NA,NA,NA,SoftData Type 3,
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564505.4091,142686.2778,0,CP35,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
563852.568,142867.6226,0,CP36,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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200-BP-5_Tritium_N.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                    \nst, nugget effect
1    0.01    315.0    0.0    0.0            \it,cc,ang1,ang2,ang3
     1300.0 900.0    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
2000 10000 19000 20000 25000 80000 200000 600000
0.99  0.99  .9    0.1   .1   0.1   0.1    0.1
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
567231.722,146055.169,7000,12-D,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 124,200-BP-5
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568302.28,146439.7,1620,199-K-183,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,200-BP-5
568177.564,146591.114,1650,199-K-31,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,200-BP-5
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573607.493,134319.579,320,299-E13-5,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-PO-1
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574759.08,137044.178,313.333333333333,299-E27-8,_2013,Tritium,GROUNDWATER WELL,R-X,3,0,MEAN_VALOR_ND_MDA,200-BP-5
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200-BP-5_Tritium_S.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,CU
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1    0.05    320.0    0.0   0.0                \it,cc,ang1,ang2,ang3
     100.0   100.0    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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200-PO-1_Iodine-129.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                        \nst, nugget effect
1    0.05    115.0   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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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200-PO-1_Nitrate.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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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573333.348,137681.471,9440,299-E33-26,_2012,Technetium-99,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,200-BP-5
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563852.568,142867.6226,0,CP36,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                                  \nst, nugget effect
1    0.05    140.0    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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564505.4091,142686.2778,0,CP35,SOFTDATA,ALL,NA,NA,NA,NA,SoftData Type 2,
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200-PO-1_Tritium_WE.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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576588.887,135984.406,22000,299-E25-25,_2008,Tritium,NA,NA,NA,NA,SoftData Type 1,200-PO-1
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576011.773,136111.693,5133.33333333333,299-E25-28,_2013,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,200-PO-1
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200-PO-1_Uranium.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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200-UP-1_ChromComb.dat

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1    0.02      75.0    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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1    0.02      105.0    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 0.1 0.5 0.9 0.9  0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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1    0.078      81.0    0.0   0.0          \it,cc,ang1,ang2,ang3
     3300.0  2300.0    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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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200-UP-1_Technetium-99_Middle.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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200-UP-1_Technetium-99_North.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,GU
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200-UP-1_Technetium-99_South.dat

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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 INTEPVALS
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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,DU
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200-UP-1_Tritium.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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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 NINTERVAI 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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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200-ZP-1_Iodine-129.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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567359.52,138646.73,0.174,699-50-74,_2013,Iodine-129,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200 ZP-1
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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574115,137409,5e+05,CP_2013_41,SOFTDATA,Nitrate,NA,NA,NA,NA,SoftData Type 3,
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574764,139930,46900,CP_23,SOFTDATA,Nitrate,NA,NA,NA,NA,SoftData Type 3,
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200-ZP-1_Nitrate_ZP.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
     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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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574977.079,135386.153,55300,299-E17-1,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,200-PO-1
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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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200-ZP-1_Trichloroethene.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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200-ZP-1_Tritium.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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571474.38,137968.732,300,699-47-60,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-ZP-1
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566413.228,137968.857,53500,699-48-77A,_2011,Tritium,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-ZP-1
566468.954,138086.801,118250,699-48-77C,_2013,Tritium,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,200-ZP-1
566433.302,138119.268,61200,699-48-77D,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,200-ZP-1
559303.736,138503.233,201.666666666667,699-49-100C,_2013,Tritium,GROUNDWATER WELL,R-X,9,0,MEAN_VALOR_ND_MDA,200-ZP-1
565771.123,138271.108,23.4,699-49-79,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-ZP-1
567359.52,138646.73,320,699-50-74,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-ZP-1
564130.196,138669.323,310,699-50-85,_2012,Tritium,PIEZOMETER HOST,R-X,1,0,MEAN_VALOR_ND_MDA,200-ZP-1
570664.4,139148.408,300,699-51-63,_2012,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,200-ZP-1
566978.076,138906.286,23.3,699-51-75,_2013,Tritium,PIEZOMETER HOST,R-X,2,0,MEAN_VALOR_ND_MDA,200-ZP-1
566978.076,138906.286,23.6,699-51-75P,_2013,Tritium,HOSTED PIEZOMETER,R-X,1,0,MEAN_VALOR_ND_MDA,200-ZP-1
568917,134201,3e+05,CP_2013_6,SOFTDATA,Tritium,NA,NA,NA,NA,SoftData Type 3,
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200West-CTET-2013Final.dat

```
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
     2000.0 1500.0    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
EAST,NORTH,MapVal,WELL_NAME,STD_CON_LONG_NAME,Year,ZONE,WELL_TYPE,ColPur,CountofSamples,CountNDs,MaxVal
574787.6573,137608.6244,0,CP02,na,ControlPoint
574044.1438,138116.3898,0,CP03,na,ControlPoint
573445.706,138660.4241,0,CP04,na,ControlPoint
572992.3441,139131.9204,0,CP05,na,ControlPoint
575930.1293,137554.221,0,CP06,na,ControlPoint
575658.1122,138696.693,0,CP07,na,ControlPoint
574950.8676,139095.6515,0,CP08,na,ControlPoint
574279.8919,139549.0134,0,CP09,na,ControlPoint
576147.743,138061.9863,0,CP10,na,ControlPoint
582277.1961,139675.9547,0,CP11,na,ControlPoint
580572.5553,140292.5269,0,CP12,na,ControlPoint
579847.1762,140473.8717,0,CP13,na,ControlPoint
579194.3351,140637.082,0,CP14,na,ControlPoint
578414.5526,140818.4268,0,CP15,na,ControlPoint
577671.0391,141126.7129,0,CP16,na,ControlPoint
577036.3324,141326.1921,0,CP17,na,ControlPoint
576383.4912,141471.2679,0,CP18,na,ControlPoint
575676.2466,141580.0748,0,CP19,na,ControlPoint
574950.8676,141688.8816,0,CP20,na,ControlPoint
574352.4299,141870.2264,0,CP21,na,ControlPoint
573772.1266,142051.5712,0,CP22,na,ControlPoint
573119.2855,142232.9159,0,CP23,na,ControlPoint
581515.5481,140002.3753,0,CP24,na,ControlPoint
571106.3586,139458.341,0,CP25,na,ControlPoint
570489.7864,139947.9719,0,CP26,na,ControlPoint
569855.0797,140510.1407,0,CP27,na,ControlPoint
569020.8938,141126.7129,0,CP28,na,ControlPoint
568295.5147,141453.1334,0,CP29,na,ControlPoint
567678.9425,141707.0161,0,CP30,na,ControlPoint
567080.5048,141906.4954,0,CP31,na,ControlPoint
566355.1257,142124.1091,0,CP32,na,ControlPoint
565684.1501,142323.5883,0,CP33,na,ControlPoint
565085.7124,142504.9331,0,CP34,na,ControlPoint
564505.4091,142686.2778,0,CP35,na,ControlPoint
563852.568,142867.6226,0,CP36,na,ControlPoint
564700 136180 0 ControlPoint_MK
564700 136285 0 ControlPoint_MK
564700 136390 0 ControlPoint_MK
564700 136495 0 ControlPoint_MK
564700 136500 0 ControlPoint_MK
564700 136605 0 ControlPoint_MK
REM 571741.0652,138968.7102,0,CP37,na,ControlPoint
REM X Y Max of CTET_2013 Row Labels
REM 566017.1918 136608.8935 1 299-W10-14
REM 566772.75 136610.19 1 299-W10-33
REM 566018.98 137451.93 110 299-W10-36
REM  567635.1875 137018 60 299-W11-37
REM 567874.6875 137113.0938 1 299-W11-88
REM  568331.25 137206.1094 0.06 299-W12-1
REM 566306.8857 135718.9564 0.97 299-W15-17
REM 566996.641 134425.096 1.2 299-W22-48
REM 566685.02 136066.47 3.4 299-W22-96
REM 566901.69 136287.62 47 299-W6-11
REM 567118.1875 137299.125 1 299-W6-3
REM 567318.75 137638.7188 0.06 299-W6-6
565745.49 135711.51 4.9 299-W15-228
566663.096 136734.565 950 299-W10-1
566843.969 136441.778 280 299-W10-27
566082.78 136739.33 6 299-W10-30
566266.44 136968.34 18 299-W10-31
566024.73 136995.48 51 299-W10-35
566734.643 136578.079 1200 299-W10-4
566578.595 136474.832 690 299-W10-5
567099.363 136424.033 350 299-W11-13
567181.916 137161.484 270 299-W11-18
567184.869 136844.366 620 299-W11-33Q
567269.74 136971.04 560 299-W11-43
```

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566914.86 136773.27 870 299-W11-46
566933.82 136680.7 980 299-W11-47
566881.97 136846.18 1200 299-W11-48
567361.5 135924.72 1100 299-W11-49
566966.27 136756.64 1000 299-W11-50
568141.08 136608.7 1700 299-W11-87
567306.79 136519.66 2500 299-W11-90
566692.86 136351.78 2100 299-W11-92
567775.46 136780.07 1100 299-W11-93
567774.83 136772.24 1700 299-W11-96
568312.67 136610.25 1700 299-W12-2
568321.53 136998.09 630 299-W12-3
568327.41 136363.65 1300 299-W12-4
568148.74 136048.6 530 299-W13-1
566901.69 136287.62 1500 299-W14-11
566901.718 136282.375 400 299-W14-13
566898.386 136181.048 870 299-W14-14
566909.22 136284.47 1600 299-W14-20
567721.52 135890.01 450 299-W14-21
568324.69 136117.29 2600 299-W14-22
567733.43 135567.81 700 299-W14-71
567328.44 135941.28 1400 299-W14-72
567358.99 136204.58 730 299-W14-73
567781.48 136381.29 1400 299-W14-74
566554.305 135942.939 290 299-W15-1
566412.296 136000.716 190 299-W15-11
566309.4 135550 15 299-W15-152
566657.35 136108.93 1400 299-W15-225
566033.3 136450.23 110 299-W15-226
566034.04 135966.56 70 299-W15-227
566433.297 135966.703 68 299-W15-33
566613.409 135960.441 1000 299-W15-34
566739.261 135853.068 1000 299-W15-35
566716.468 135248.316 140 299-W15-37
566581.825 135627.018 270 299-W15-42
566490.13 136210.03 350 299-W15-43
566432.94 135961.16 170 299-W15-45
566752.23 135586.67 160 299-W15-46
566307.2 135972.91 96 299-W15-49
566793.47 135790.72 740 299-W15-50
566675.883 135920.204 470 299-W15-7
566809.207 136028.763 640 299-W15-763
566697.02 136373.06 2100 299-W15-765
566304.52 135826.24 13 299-W15-83
566307.58 135640.34 20 299-W15-94
566951.64 135806.21 1900 299-W17-2
566925.89 135325.02 350 299-W17-3
566421.515 135465.21 8.3 299-W18-1
566380.033 134733.478 50 299-W18-15
566605.05 135425.69 130 299-W18-16
566097.7 134978.692 1 299-W18-21
566088.632 134990.157 1 299-W18-22
566870.755 135193.619 200 299-W18-30
566723.29 134996.41 150 299-W18-40
567939.14 135014.07 54 299-W19-101
567565.15 134745.44 49 299-W19-105
567997.87 135205.66 180 299-W19-107
567360.647 135012.357 61 299-W19-18
567673.637 135012.246 120 299-W19-34A
567662.876 135010.654 220 299-W19-34B
567992.099 135015.156 79 299-W19-35
567634.738 135017.052 260 299-W19-36
567901.739 134886.74 100 299-W19-39
567949.931 135350.792 44 299-W19-4
566896.532 135004.51 80 299-W19-41
567699.15 135004.02 54 299-W19-43
567782.67 134842.46 52 299-W19-46
566895.31 135161.86 290 299-W19-47
567822.93 134925.99 130 299-W19-48
567568.04 134894.38 130 299-W19-49
567133.33 134693.76 37 299-W19-6
568124.39 134573.79 33 299-W21-2
567648.17 134410.86 1 299-W22-24P
567205.187 134465.229 14 299-W22-26
566955.99 134484.42 13 299-W22-44
566945.16 134292.51 78 299-W22-45
566908.74 134076.28 42.1 299-W22-47
566904.383 134201.625 59 299-W22-49
566904.21 134139.71 86 299-W22-50
567179.6 134347.83 28 299-W22-69
567237.37 134207.08 35 299-W22-72
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567009.082 134092.546 100 299-W22-83
567186.74 134041.31 42 299-W22-86
567541.75 134539.88 2.8 299-W22 87
568046.48 134390.53 4.6 299-W22-88
566961.39 134483.24 96 299-W22 90
566911.76 134134.53 110 299-W22-91
567167.84 134029.77 110 299-W22-92
567170.54 134549.11 67 299-W22-95
566794 134127.23 74 299-W23-15
566759.115 134166.653 84 299-W23-19
566707.737 134293.994 98 299-W23 21
566628.216 134391.881 110 299-W23-4
566424.387 133293.598 1 299-W26 13
566682.69 133539.21 4.8 299-W26 14
566908.267 133670.351 7.8 299-W27 2
568329.73 137321.21 340 299-W5-1
567313.33 137630.55 150 299-W6-13
566939.64 137388.93 110 299-W6-14
567781.69 137076.41 1600 299-W6 15
566292.031 137638.641 0.35 299-W7-3
565742.21 136872.84 4.4 299-W9-2
569990.98 132739.19 2.2 699-30-66
571009.564 133215.925 1.7 699-32-62
567942.676 133362.612 1 699-32-72A
566683.94 133137.73 0.5 699-32 76
567472.65 133552.16 12 699-33 74
566907.78 133662.48 17 699-33-75
566621.21 133600.43 2.9 699-33 76
571395.863 133809.862 1 699-34 61
567859.97 133785.33 2 699-34 72
569857.861 134099.244 0.98 699-35-66A
566063.586 134271.27 14 699-35 78A
571395.472 134557.106 1 699-36-61A
569731.34 134469.01 2.6 699-36 66B
568466.679 134308.839 4.4 699-36 70A
568427.79 134625.98 15 699-36-70B
569730.32 134797.15 1.6 699-37-66
571219.097 134997.282 1 699-38-61
570090.185 135039.847 1 699-38 65
569180.305 134931.603 6 699-38-68A
568469.1 135331.04 420 699-38-70B
569084.11 135325.58 18 699-38-70C
571164.26 135764.42 1.5 699-40-62
570057.48 135881.16 4.1 699-40 65
569390.25 136199.83 72 699-42-67
569369.88 136560.41 130 699-43-67
568967.03 136488.48 230 699-43 69
570390.65 136897.43 7.9 699-44-64
569338.04 136894.3 37 699-44-67
569257.03 137262.97 13 699-45-67
569264.36 137264.99 33 699 45-67B
568729.3 137182.679 73 699-45-69A
568947.12 137233.81 40 699-45-69C
571474.38 137968.732 1 699-47-60
568387.914 138056.941 190 699-48-71
566468.954 138086.801 1 699-48-77C
566433.302 138119.268 1 699-48-77D
567359.52 138646.73 1 699-50-74
570664.4 139148.408 0.06 699-51-63
```

300-F-BG_Nitrate.dat

```
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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
589260.41,127205.04,52666.6666666667,699-12-2C,_2013,Nitrate,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,300-FF-5
588689.815,127257.72,22600,699-12-4D,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
590060.95,127568.79,19700,699-13-0A,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,300-FF-5
589560.56,127537.15,44400,699-13-1E,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,300-FF-5
589238.37,127372.41,44700,699-13-2D,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,300-FF-5
589137.37,127305.02,115500,699-13-3A,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,300-FF-5
588885,127111,0,CP_28,SOFTDATA,Nitrate,NA,NA,NA,NA,SoftData Type 3,
```

300-F-BG_Tritium.dat

```
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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
589260.41,127205.04,50200,699-12-2C,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,300-FF-5
588689.815,127257.72,1000,699-12-4D,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
590060.95,127568.79,42000,699-13-0A,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
589560.56,127537.15,115000,699-13-1E,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
589238.37,127372.41,264000,699-13-2D,_2013,Tritium,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_MDA,300-FF-5
589137.37,127305.02,945000,699-13-3A,_2013,Tritium,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_MDA,300-FF-5
589022,127125,1000,CP_28_2013,SOFTDATA,Tritium,NA,NA,NA,NA,SoftData Type 3,
589405.9,127228.8,362.25,ENW-MW-10,_2012,Tritium,NA,NA,NA,NA,SoftData Type 1,300-FF-5
589662.4,127228.2,936.75,ENW-MW-11,_2012,Tritium,NA,NA,NA,NA,SoftData Type 1,300-FF-5
589699.3,127177.6,671.75,ENW-MW-12,_2012,Tritium,NA,NA,NA,NA,SoftData Type 1,300-FF-5
589773.8,126400.5,11425,ENW-MW-13,_2012,Tritium,NA,NA,NA,NA,SoftData Type 1,300-FF-5
590137.3,126493.7,309.75,ENW-MW-14,_2012,Tritium,NA,NA,NA,NA,SoftData Type 1,300-FF-5
589398.24,126701.53,1277.5,ENW-MW-3,_2012,Tritium,NA,NA,NA,NA,SoftData Type 1,300-FF-5
589027.58,126700.77,16375,ENW-MW-5,_2012,Tritium,NA,NA,NA,NA,SoftData Type 1,300-FF-5
589764.92,126723.86,6017.5,ENW-MW-6,_2012,Tritium,NA,NA,NA,NA,SoftData Type 1,300-FF-5
589927.63,127435.77,863.6666667,ENW-MW-7,_2012,Tritium,NA,NA,NA,NA,SoftData Type 1,300-FF-5
589879.47,127388.88,1210.25,ENW-MW-8,_2012,Tritium,NA,NA,NA,NA,SoftData Type 1,300-FF-5
589763.87,127422.79,251.75,ENW-MW-9,_2012,Tritium,NA,NA,NA,NA,SoftData Type 1,300-FF-5
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300-FF-5XXTritium.dat

```
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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
594346.53,116733.99,3100,399-1-10A,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594318.11,116414.16,5500,399-1-16A,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594112.87,116413.787,4400,399-1-17A,_2012,Tritium,GROUNDWATER WELL,R X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
593870.644,117301.572,7450,399-1-18A,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
594160.75,116183.88,2050,399-1-21A,_2012,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
594113.51,116453.15,5600,399-1-23,_2012,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
594273.89,116642.99,5800,399-1-54,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594152.25,116487.3,4500,399-1-55,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594090.94,116725.29,5700,399-1-56,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
593910.76,116352.55,720,399-1-58,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594077.41,116135.93,1300,399-1-59,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594467.21,116121.21,5400,399-2-1,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594284.62,116195.13,3350,399-2-32,_2012,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
594287.74,116068.8,2900,399 2-5,_2012,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
594530.122,115832.268,3100,399-3-10,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594464.71,116019.98,4900,399-3-18,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594071.94,116030.22,380,399-3-19,_2012,Tritium,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,300-FF-5
594375.42,115849.7,4200,399-3-20,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594500.71,115966.5,2000,399-3-33,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594396.18,115604.7,3200,399 4-14,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594342.97,115692.93,1800,399-4-15,_2012,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
593697.41,116062.83,4415,399-6-3,_2012,Tritium,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,300-FF-5
593384.245,116565.517,290,399-8-5A,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,300-FF-5
593296.236,126696.606,7700,699-10-E12,_2013,Tritium,PIEZOMETER HOST,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
590618.587,126132.162,1300,699-9 E2,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
593835.339,117605.124,7300,699-S19-E13,_2012,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
594249.863,117716.194,9600,699-S19-E14,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
593124.37,117366.18,330,699-S20-E10,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,300-FF-5
594114.141,115212.738,56.5,699-S27-E14,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
592720.652,115332.317,22.9,699-S27-E9A,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,1100-EM-1
593538.051,115000.747,65,699-S28-E12,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
594750.576,114731.054,103,699-S29-E16A,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
593586.167,122551.359,330,699-S3-E12,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
594470.923,114308.434,100,699-S30-E15A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
592964.336,114215.011,99,699-S31-E10A,_2012,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,1100-EM-1
592966.859,114154.707,84.8666666666667,699-S31-E10C,_2012,Tritium,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_MDA,1100-EM-1
592251.767,113933.519,75.2,699-S31-E8A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
593963.44,113886.057,88.4,699-S32-E13A,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
592948.816,113043.944,375,699-S34-E10,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
593869.465,112651.516,73.5,699-S36-E13A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
594216.006,112168.603,67.95,699-S37-E14,_2012,Tritium,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_MDA,1100-EM-1
593153.892,111891.52,134,699-S38-E11,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
593471.381,111039.065,129,699-S41-E12,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
592558,110639,42,699-S42-E8A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
593612.78,110404.364,208,699-S43-E12,_2011,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,1100-EM-1
594262.353,121569.449,750,699-S6-E14A,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
590984.868,121663.474,8650,699-S6-E4A,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
591117.28,121668.979,9900,699-S6-E4B,_2012,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
591076.875,121774.747,9700,699-S6-E4D,_2012,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
591039.181,121562.725,8400,699-S6 E4E,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
590867.37,121626.77,7300,699-S6-E4K,_2013,Tritium,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_MDA,300-FF-5
590915.84,121654.35,5850,699-S6-E4L,_2013,Tritium,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_MDA,300-FF-5
584225.901,120963.716,280,699-S8-19,_2013,Tritium,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_MDA,1100-EM-1
594384.907,116737.016,1300,AT-3-1-M,_2012,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 156,300-FF-5
594435.306,116437.665,380,AT-3-2-M,_2011,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 157,300-FF-5
594505.024,116163.568,2300,AT-3-3-S,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 159,300-FF-5
594542.624,115978.828,2000,AT-3-4-S,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 161,300-FF-5
594463.17,116293.5,1900,C6342,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 158,300-FF-5
594525.24,116077.56,2400,C6344,_2013,Tritium,AQUIFER TUBE,R-X,1,1,MAX_VALOR_ND_MDA + MAX OF GROUP 160,300-FF-5
594577.93,115861.98,1700,C6348,_2013,Tritium,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 162,300-FF-5
594638.56,115640.53,1000,C6351,_2013,Tritium,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 164,300-FF-5
594894.34,126500.86,330,C6368,_2012,Tritium,AQUIFER TUBE,R-X,2,0,MAX_VALOR_ND_MDA + MAX OF GROUP 152,300-FF-5
594448.42,123115.67,10000,C6375,_2012,Tritium,AQUIFER TUBE,R-X,2,2,MAX_VALOR_ND_MDA + MAX OF GROUP 153,300-FF-5
594559.05,121359.19,330,C6378,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 154,300-FF-5
594571.83,119218.61,330,C6380,_2013,Tritium,AQUIFER TUBE,R-X,1,0,MAX_VALOR_ND_MDA + MAX OF GROUP 155,300-FF-5
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300-FF-5XXUranium_HI.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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
594359.96,116588.84,10.4,399-1-1,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594346.53,116733.99,19.45,399-1-10A,_HIGH,Uranium,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,300-FF-5
594109.81,116660.16,25.6,399-1-11,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594040.22,116548.51,28.8,399-1-12,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593988.332,116964.243,7.21,399-1-15,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594318.11,116414.16,29.35,399-1-16A,_HIGH,Uranium,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,300-FF-5
594112.87,116413.787,89.4,399-1-17A,_HIGH,Uranium,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,300-FF-5
593870.644,117301.572,6.59,399-1-18A,_HIGH,Uranium,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,300-FF-5
594082.36,116329.53,32.9,399-1-2,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594160.75,116183.88,25.6,399-1-21A,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594113.51,116453.15,85.3,399-1-23,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594273.89,116642.99,18.2,399-1-54,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594152.25,116487.3,462,399-1-55,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594090.94,116725.29,33.7,399-1-56,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593910.76,116352.55,11.1,399-1-58,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594077.41,116135.93,33.7,399-1-59,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594142.511,116900.079,6.89,399-1-6,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594260.06,116335.09,97.1,399-1-7,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594467.21,116121.21,28.2,399-2-1,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594385.69,116282.61,28.5,399-2-2,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594284.62,116195.13,27.1,399-2-32,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594287.74,116068.8,36.9,399-2-5,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594481.297,116008.028,28.3,399-3-1,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594530.122,115832.268,34.7,399-3-10,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594213.754,115946.786,86.4,399-3-12,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594464.71,116019.98,37.8,399-3-18,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594071.94,116030.22,23.5,399-3-19,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593926.733,115803.234,8.96,399-3-2,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594375.42,115849.7,38.8,399-3-20,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594500.71,115966.5,28.3,399-3-33,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593927.103,115944.403,26.7,399-3-6,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594504.508,115917.925,150,399-3-9,_2014,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594274.1,115537.349,31.4,399-4-1,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594566.442,115655.802,57.7,399-4-10,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594087.926,115709.187,29.3,399-4-11,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594548,115373,34.6,399-4-12,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594396.18,115604.7,78.5,399-4-14,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594342.97,115692.93,62.1,399-4-15,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594603.236,115492.6,58,399-4-7,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594537.847,115741.45,91.3,399-4-9,_2014,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593733.82,115739.75,8.48,399-5-4B,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593697.41,116062.83,36.7,399-6-3,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593824.58,115935,17.7,399-6-5,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593632.233,116331.956,19.7,399-8-1,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593626.116,116683.648,5.19,399-8-3,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593384.245,116565.517,11.2,399-8-5A,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593296.236,126696.606,6.89,699-10-E12,_2011,Uranium,PIEZOMETER HOST,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593124.37,117366.18,2.78,699-S20-E10,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594114.141,115212.738,9.14,699-S27-E14,_2014,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,1100-EM-1
592720.652,115332.317,4.59,699-S27-E9A,_2012,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,1100-EM-1
593538.051,115000.747,10.5,699-S28-E12,_2014,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,1100-EM-1
594750.576,114731.054,5.89,699-S29-E16A,_2011,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,1100-EM-1
594470.923,114308.434,6.52,699-S30-E15A,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,1100-EM-1
592964.336,114215.011,28.05,699-S31-E10A,_2012,Uranium,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,1100-EM-1
592966.859,114154.707,27.5333333333333,699-S31-E10C,_2012,Uranium,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,1100-EM-1
592251.767,113933.519,9.18,699-S31-E8A,_2013,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,1100-EM-1
593963.44,113886.057,5.86,699-S32-E13A,_2011,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,1100-EM-1
592948.816,113043.944,7.83,699-S34-E10,_2011,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,1100-EM-1
593869.465,112651.516,3.15,699-S36-E13A,_2012,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,1100-EM-1
594216.006,112168.603,0.667,699-S37-E14,_2011,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,1100-EM-1
593153.892,111891.52,7.58,699-S38-E11,_2011,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,1100-EM-1
590984.868,121663.474,6.3,699-S6-E4A,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
591117.28,121668.979,8.555,699-S6-E4B,_2012,Uranium,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,300-FF-5
591076.875,121774.747,5.11,699-S6-E4D,_2012,Uranium,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,300-FF-5
591039.181,121562.725,16.6,699-S6-E4E,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
590867.37,121626.77,12.4,699-S6-E4K,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
590915.84,121654.35,145,699-S6-E4L,_HIGH,Uranium,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
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300-FF-5_Nitrate.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
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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
594359.96,116588.84,1530,399-1-1,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594346.53,116733.99,21488.75,399-1-10A,_2013,Nitrate,GROUNDWATER WELL,R-X,8,8,MEAN_VAL_RPT,300-FF-5
594109.81,116660.16,25900,399-1-11,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594040.22,116548.51,23600,399-1-12,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
593988.332,116964.243,29000,399-1-15,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594318.11,116414.16,16157.1428571429,399-1-16A,_2013,Nitrate,GROUNDWATER WELL,R-X,7,7,MEAN_VAL_RPT,300-FF-5
594112.87,116413.787,25311.1111111111,399-1-17A,_2013,Nitrate,GROUNDWATER WELL,R-X,9,9,MEAN_VAL_RPT,300-FF-5
593870.644,117301.572,30050,399-1-18A,_2013,Nitrate,GROUNDWATER WELL,R-X,2,2,MEAN_VAL_RPT,300 FF-5
594082.36,116329.53,26300,399-1-2,_2013,Nitrate,GROUNDWATER WELL,R-X,1,1,MEAN_VAL_RPT,300-FF-5
594160.75,116183.88,24866.6666666667,399-1-21A,_2013,Nitrate,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,300-FF-5
594113.51,116453.15,25200,399-1 23,_2013,Nitrate,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,300-FF-5
594273.89,116642.99,20253.3333333333,399-1-54,_2013,Nitrate,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,300-FF-5
594152.25,116487.3,24100,399-1-55,_2013,Nitrate,GROUNDWATER WELL,R-X,3,3,MEAN_VAL_RPT,300-FF-5
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300-FF-5_Trichloroethene.dat

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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
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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300-FF-5_Uranium_LO.dat

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    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
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Appendix C: COI Plume Maps

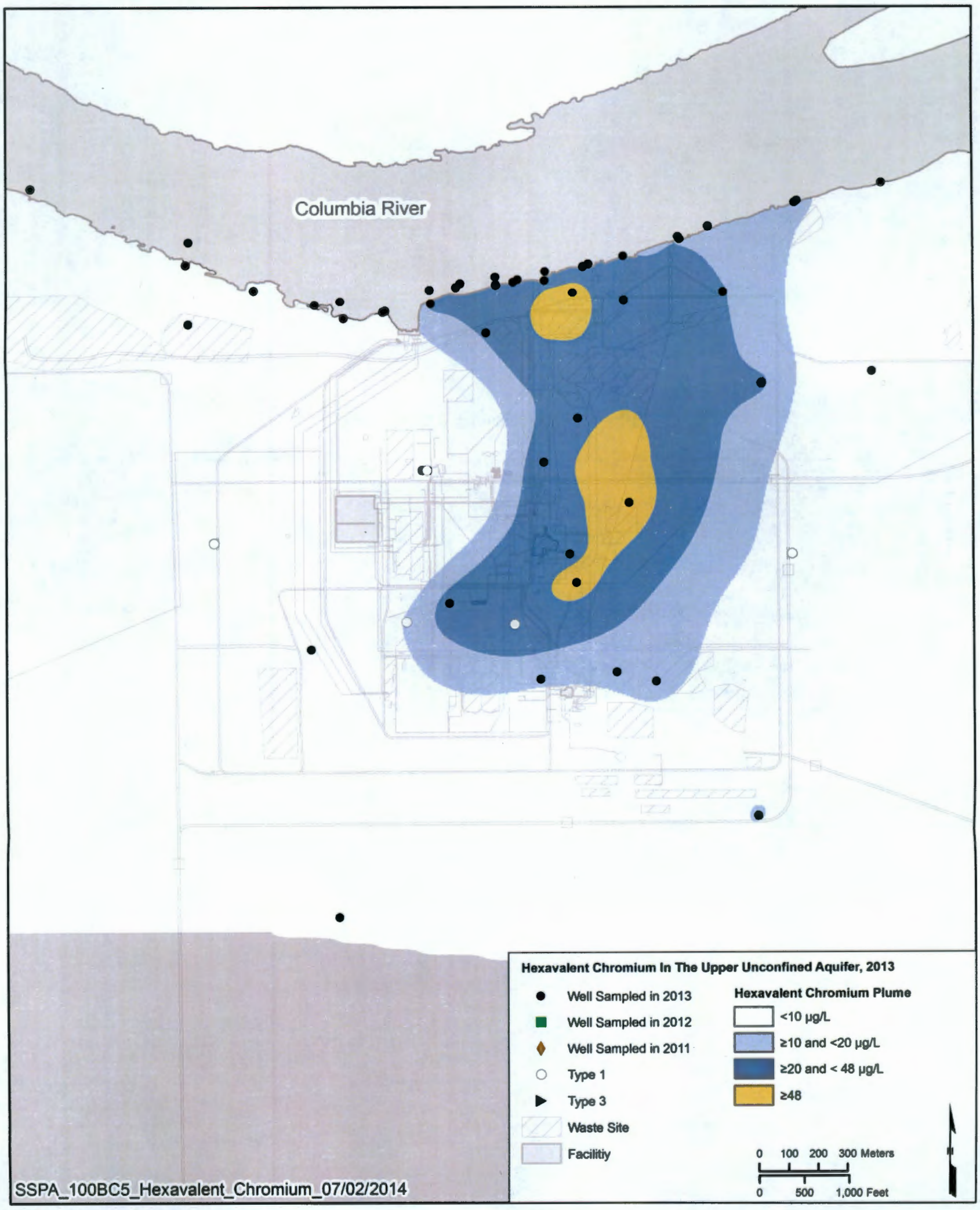

Figure C.1. Hexavalent Chromium in 100-BC-5

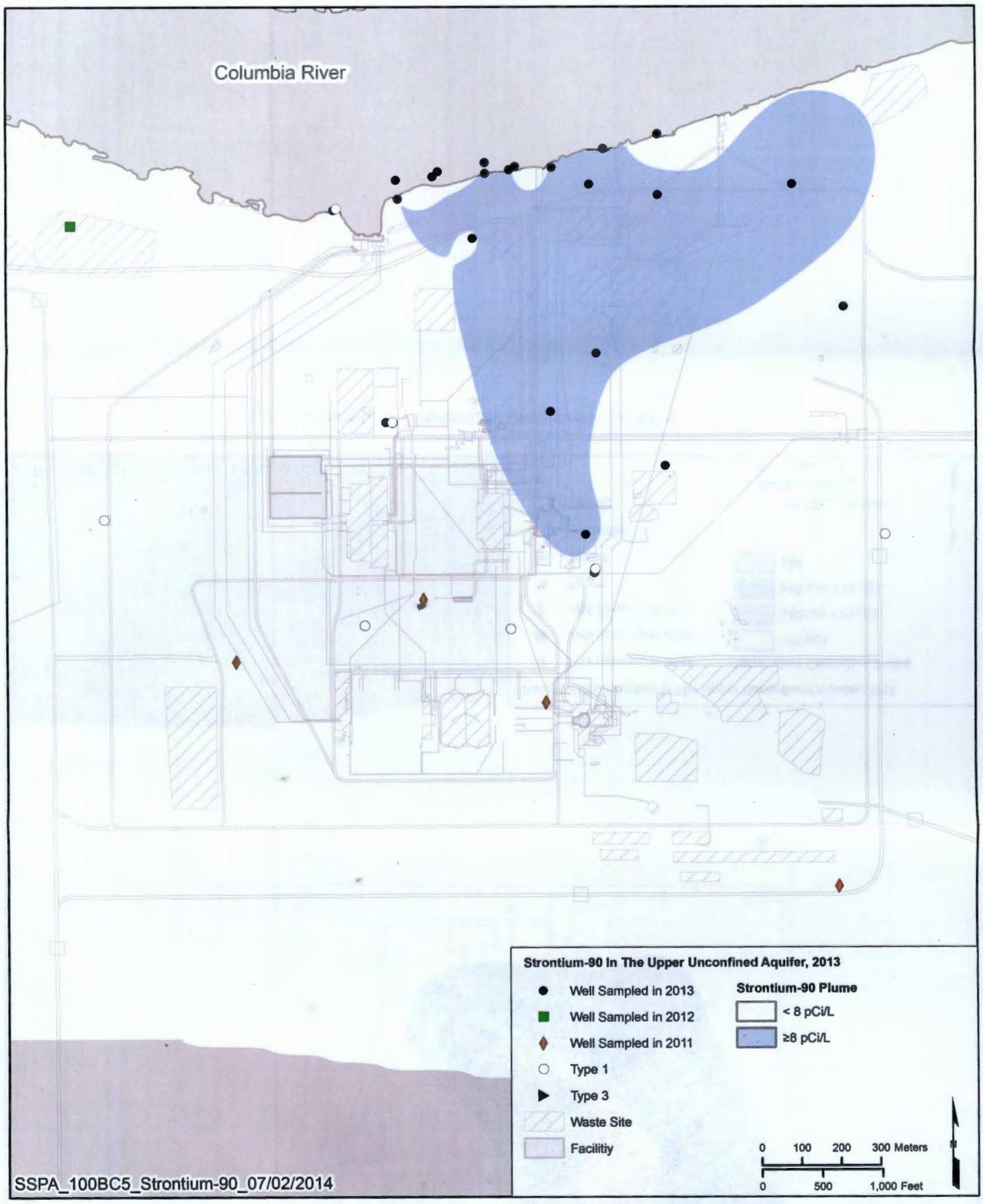

Figure C.2. Strontium-90 in 100-BC-5

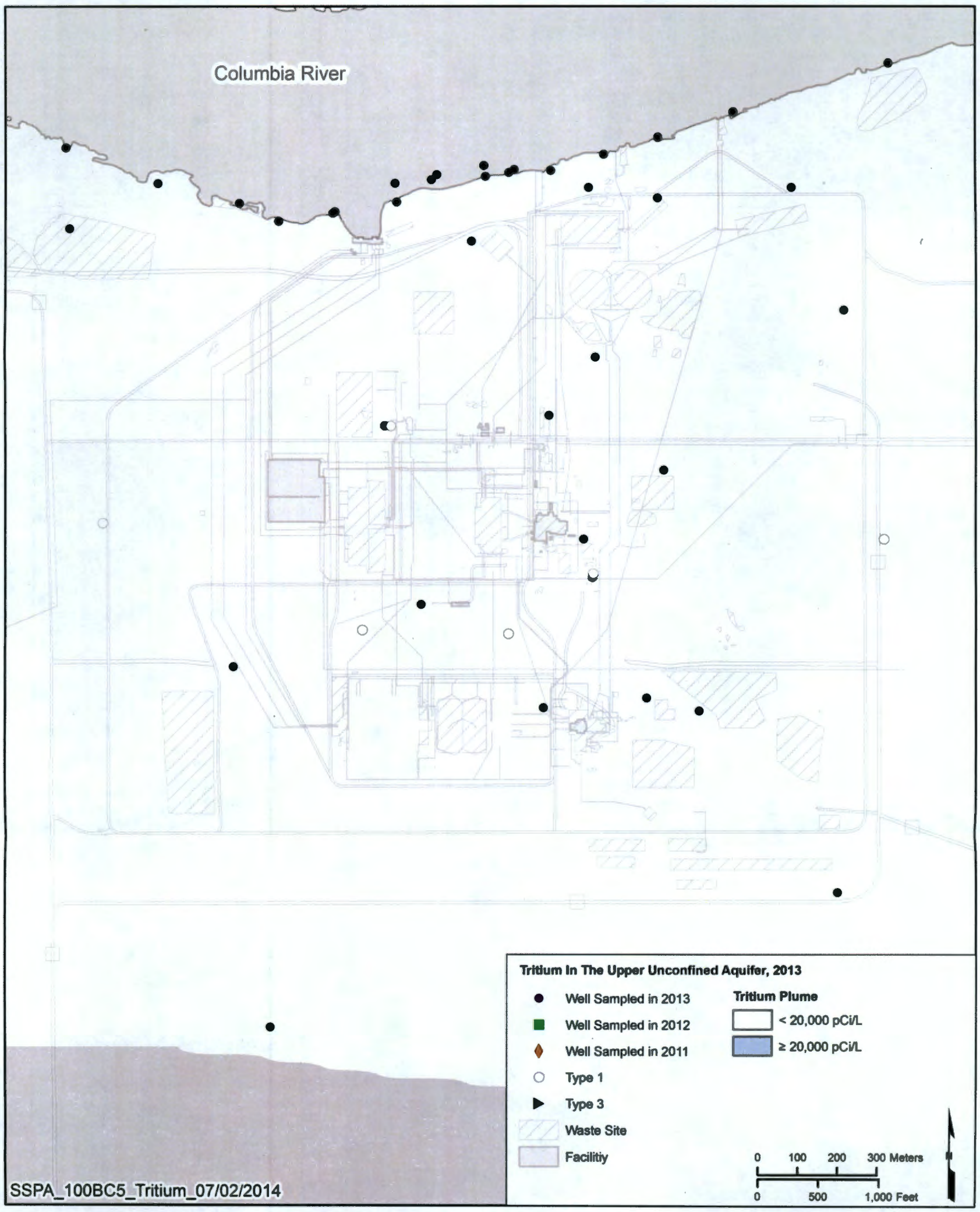

Figure C.3. Tritium in 100-BC-5

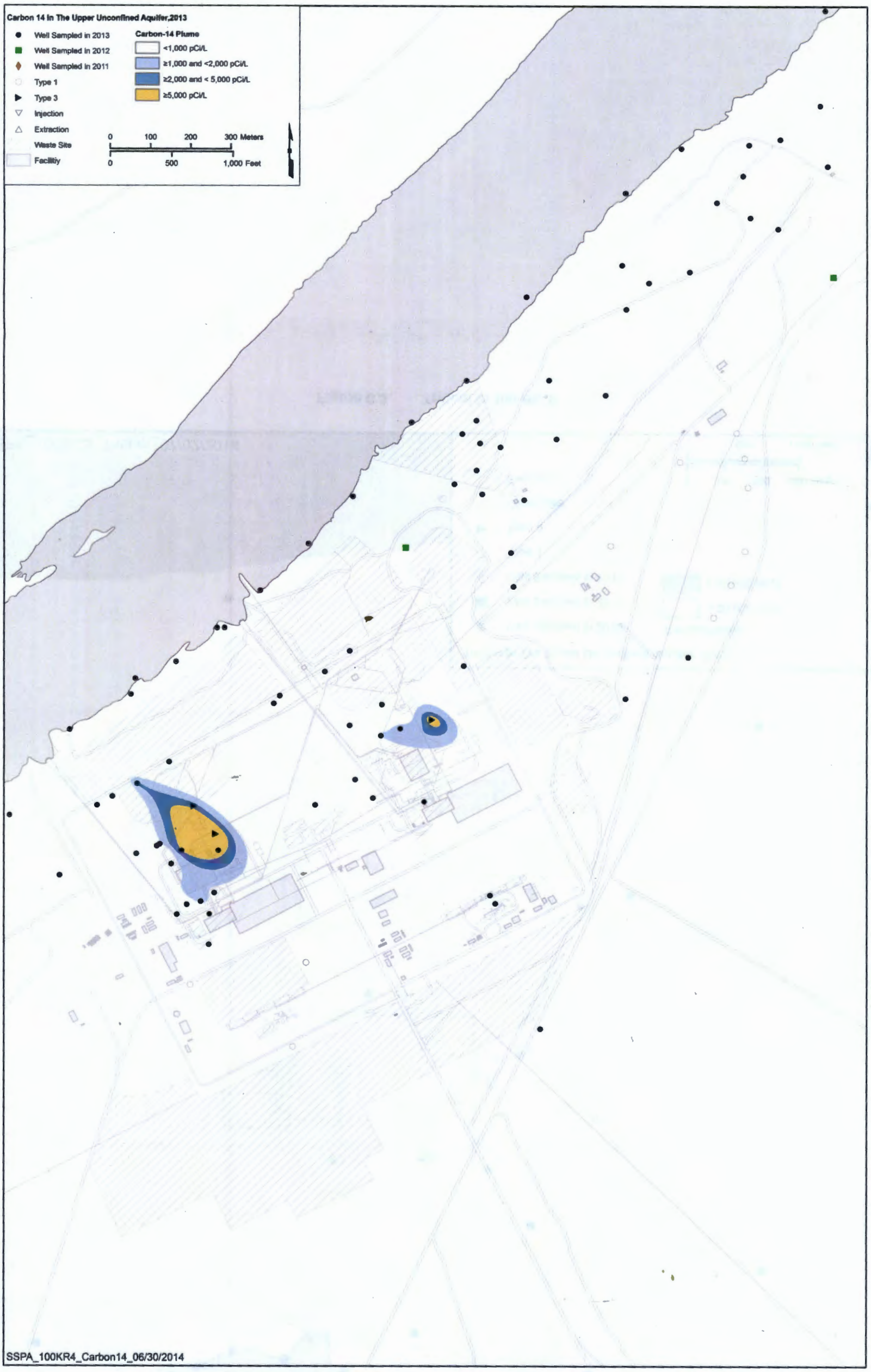

Figure C.4. Carbon-14 in 100-KR-4

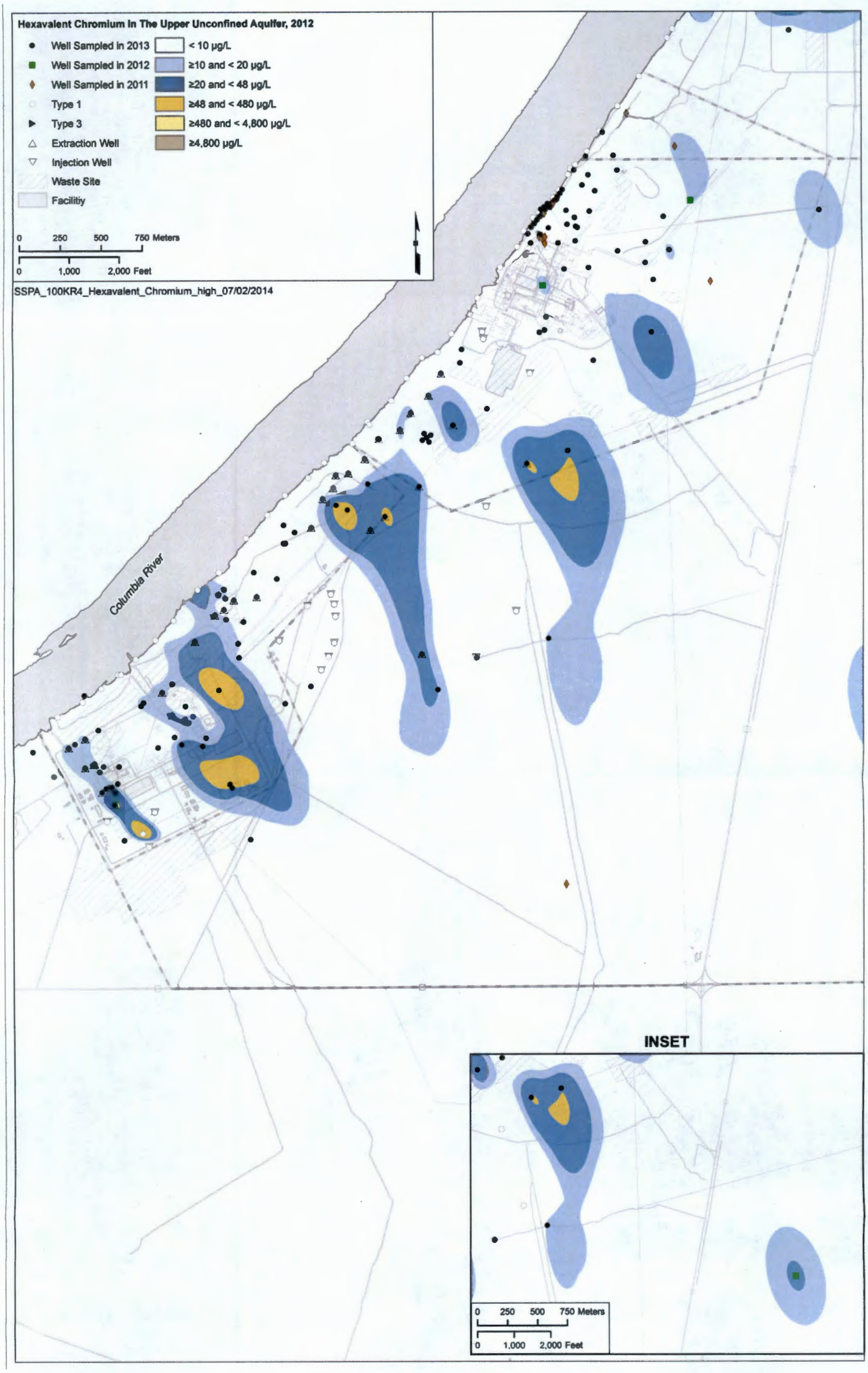

Figure C.5. Hexavalent Chromium in 100-KR-4 – High River Stage

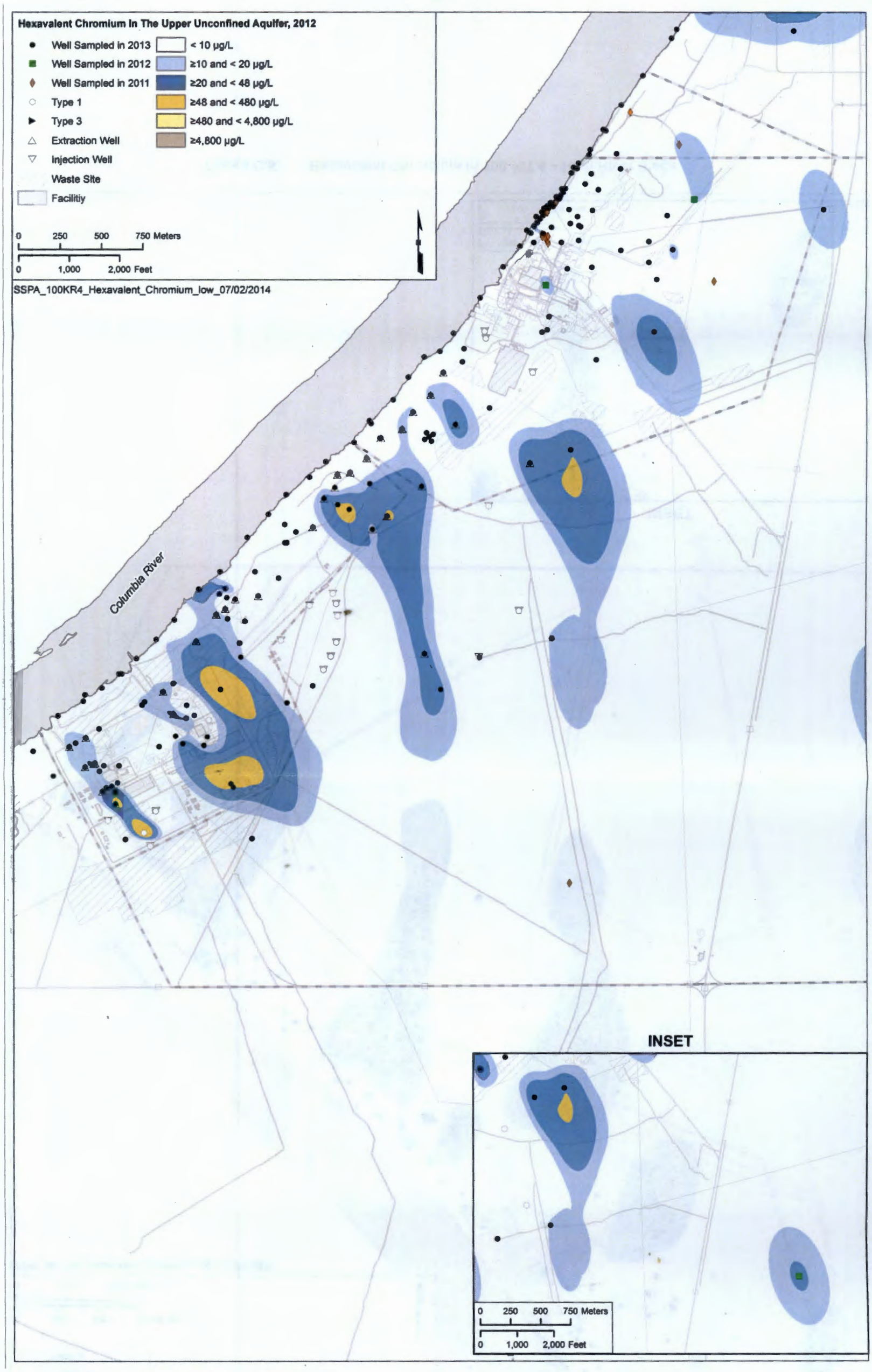

Figure C.6. Hexavalent Chromium in 100-KR-4 – Low River Stage

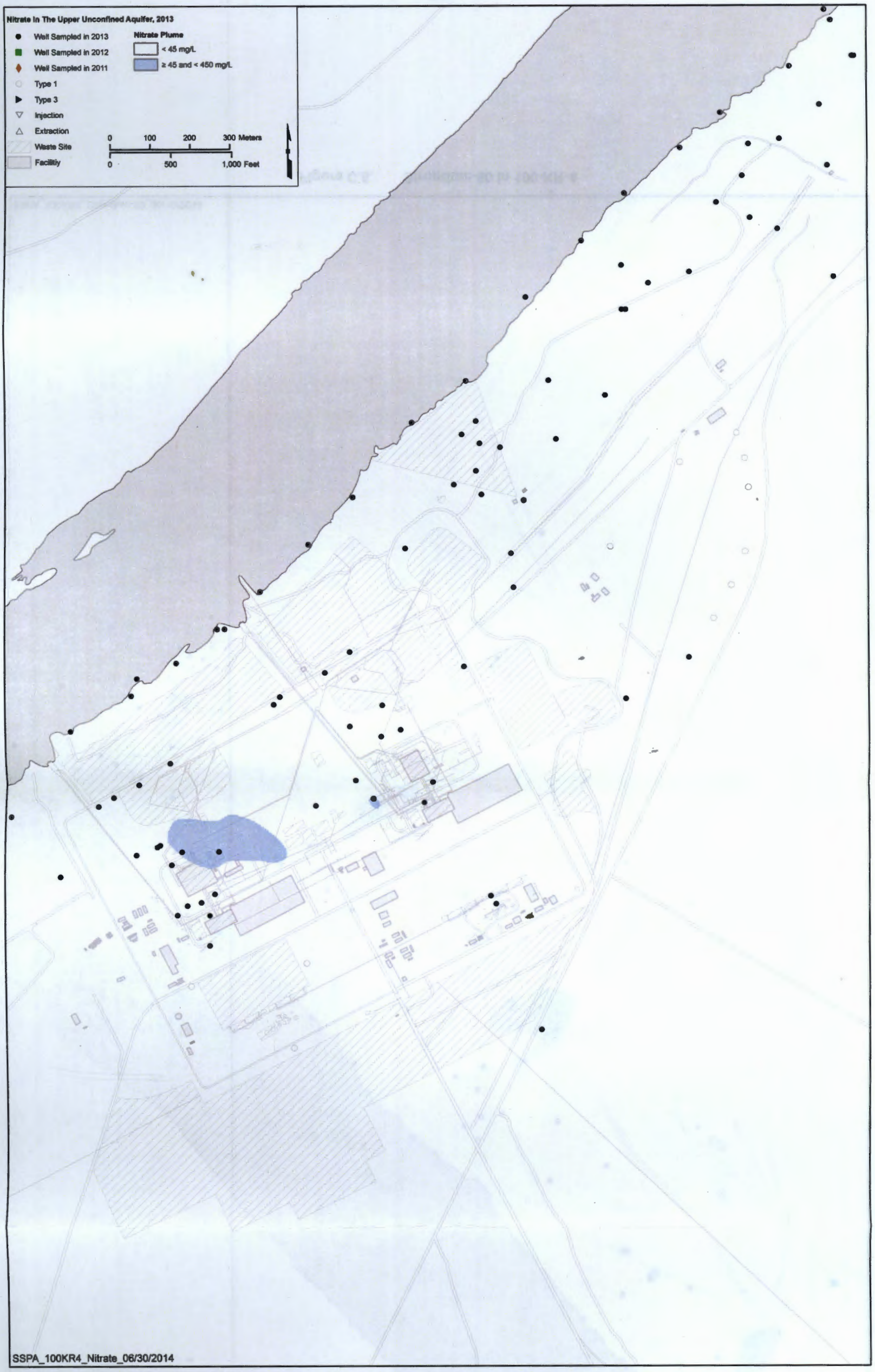

Figure C.7. Nitrate in 100-KR-4

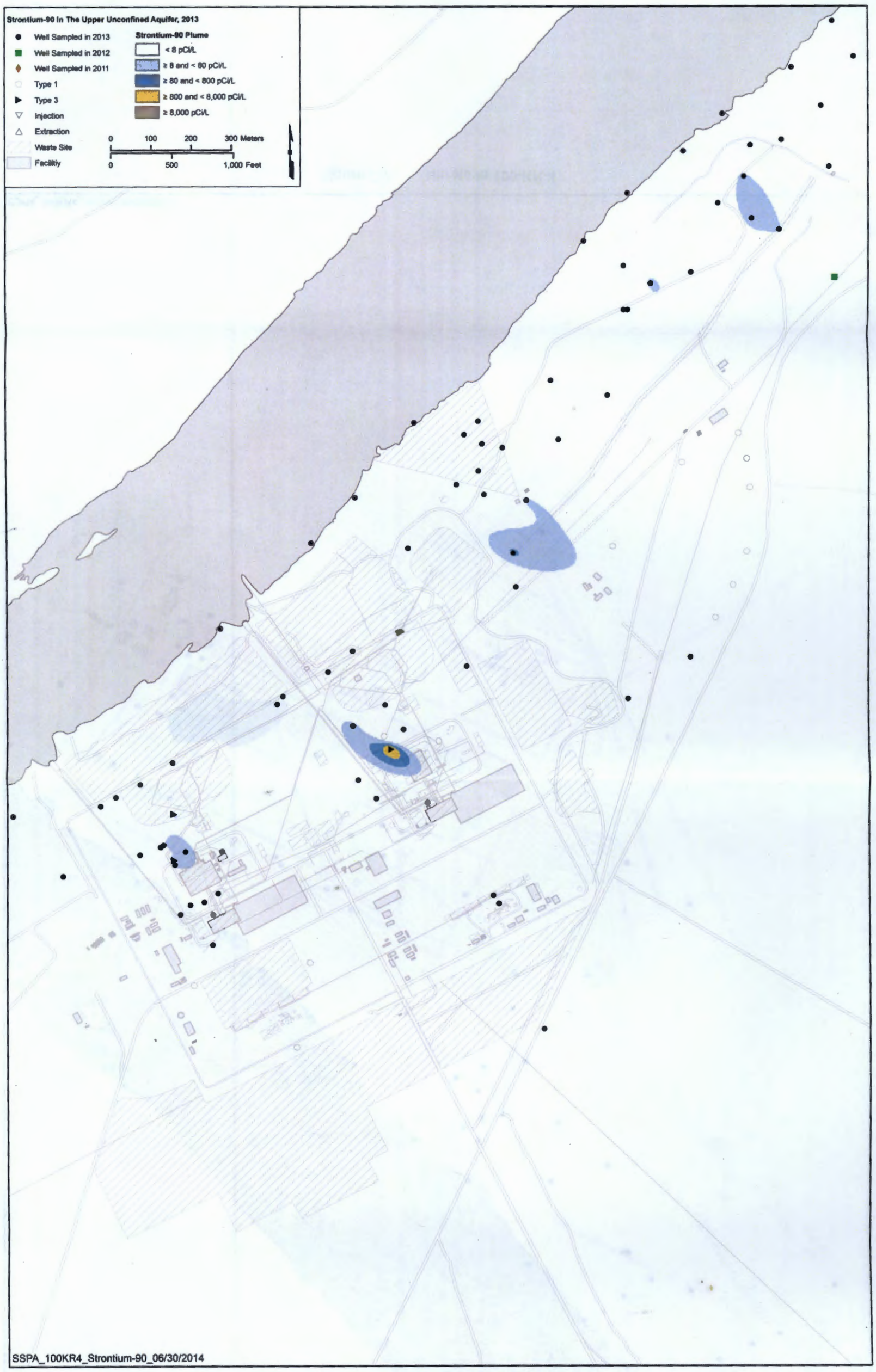

Figure C.8. Strontium-90 in 100-KR-4

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

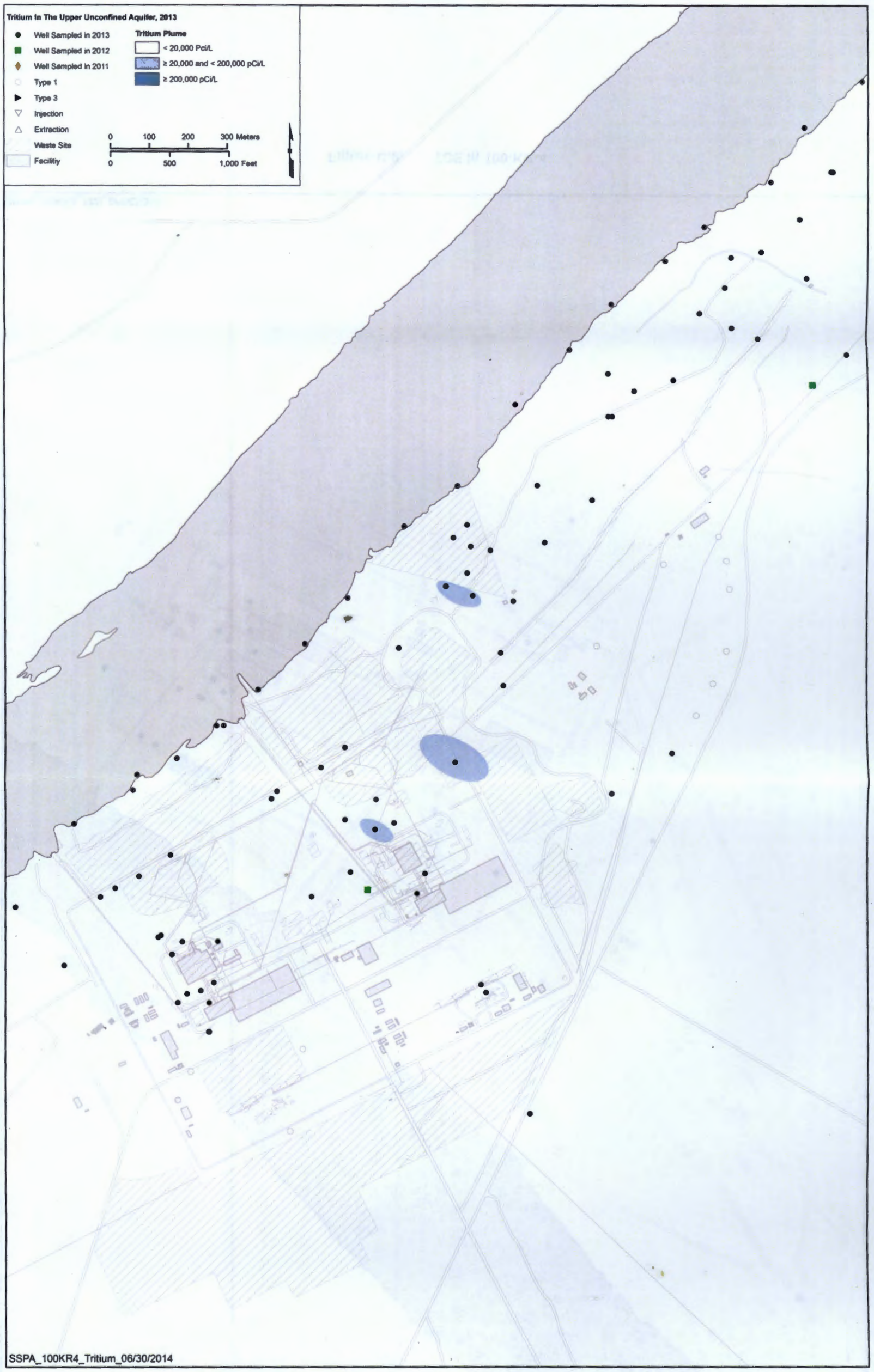

Figure C.10. Tritium in 100-KR-4

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

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

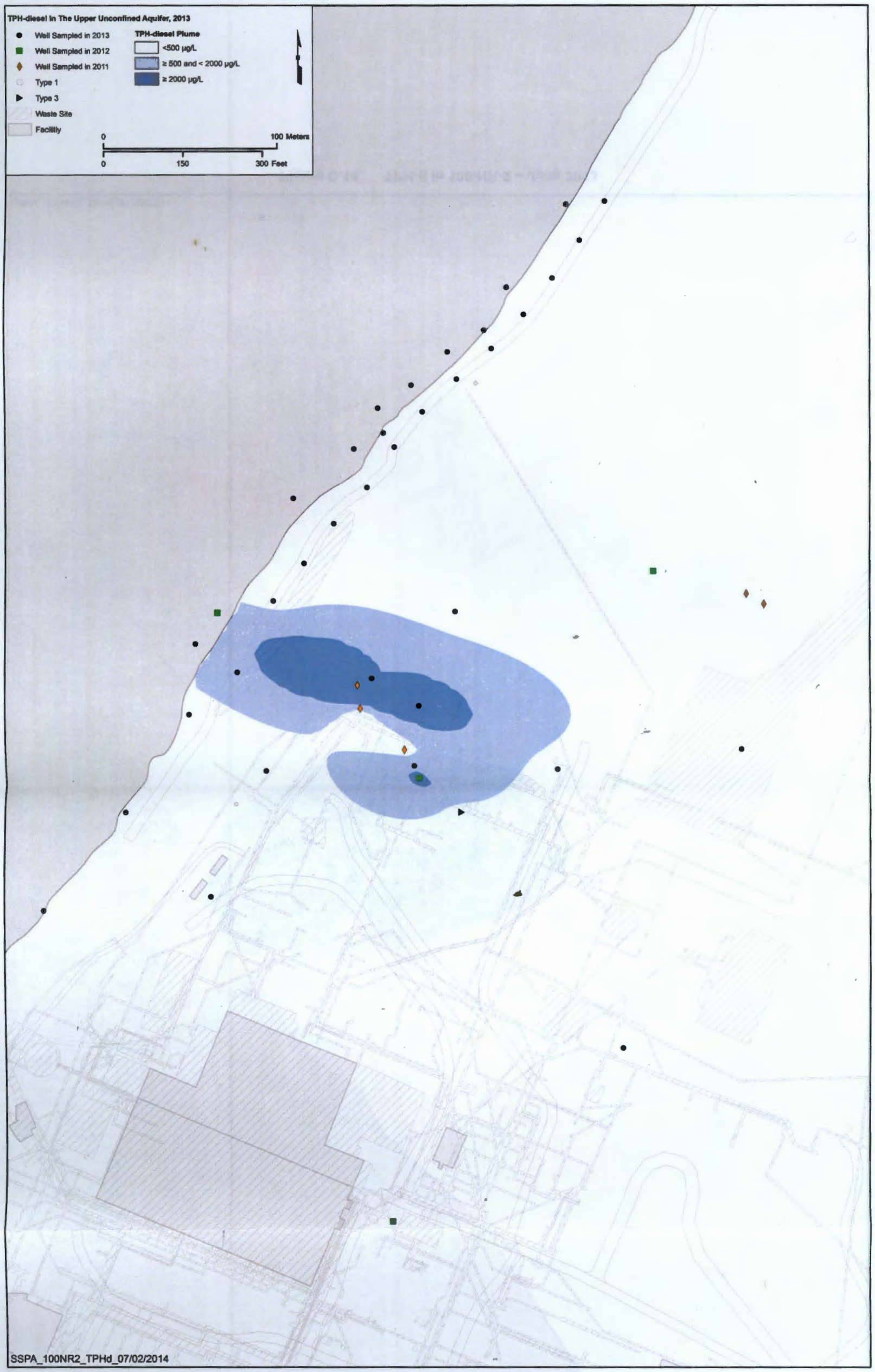

Figure C.13. TPH-d in 100-NR-2

Figure C.14. TPH-d in 100-NR-2 – June 2013

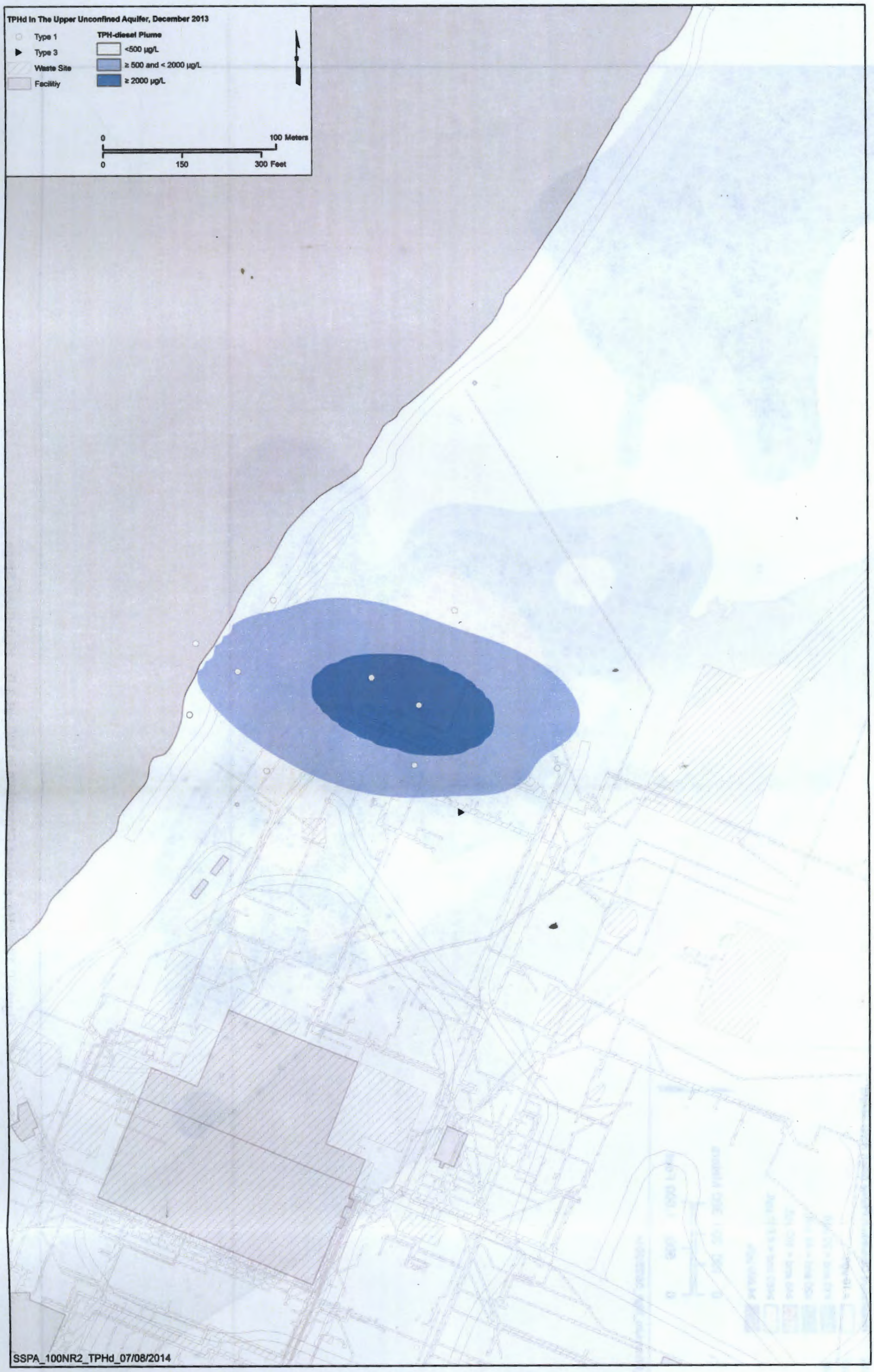

Figure C.15. TPH-d in 100-NR-2 – December 2013

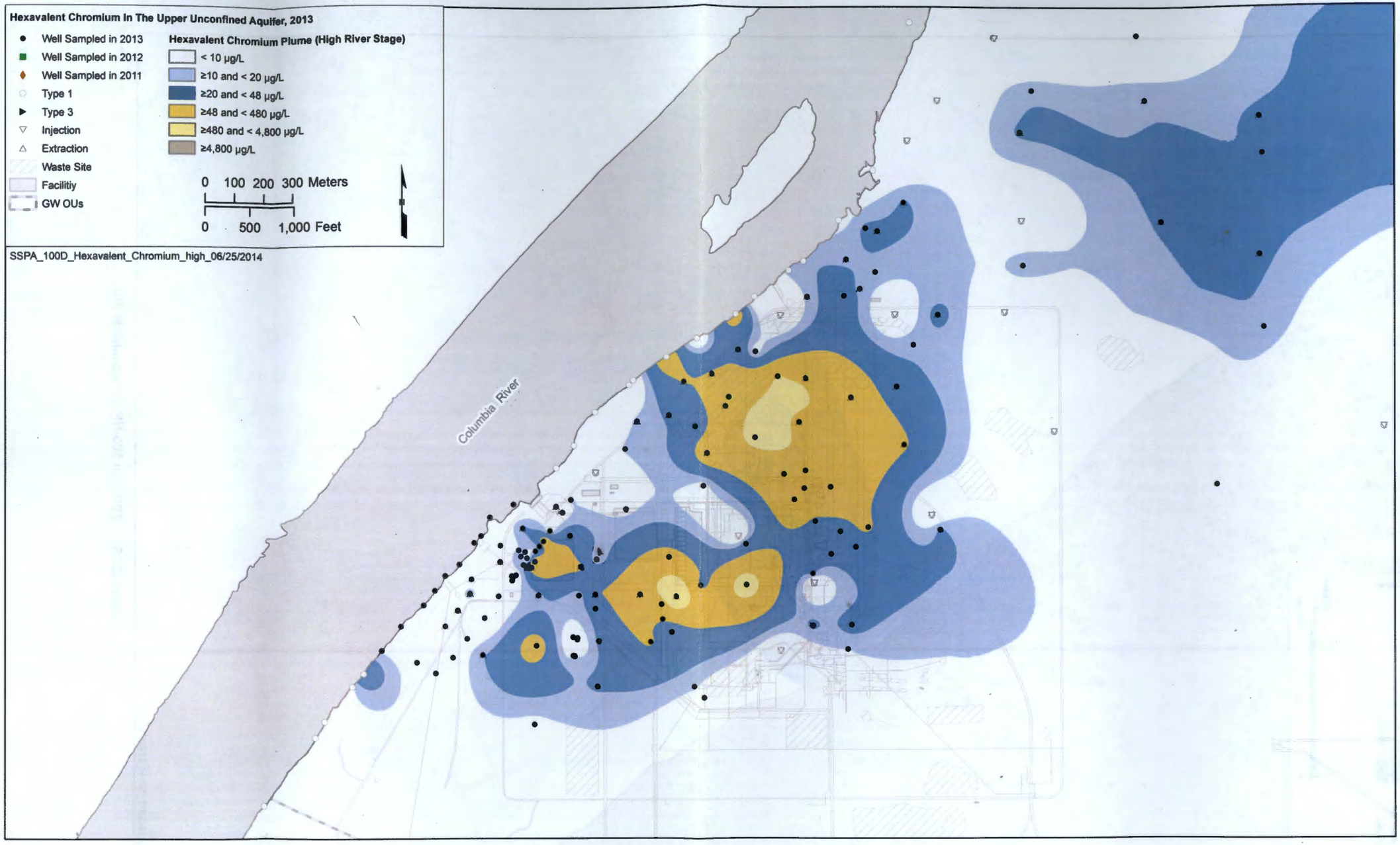

Figure C.16. Hexavalent Chromium in 100-HR-3-D – High River Stage

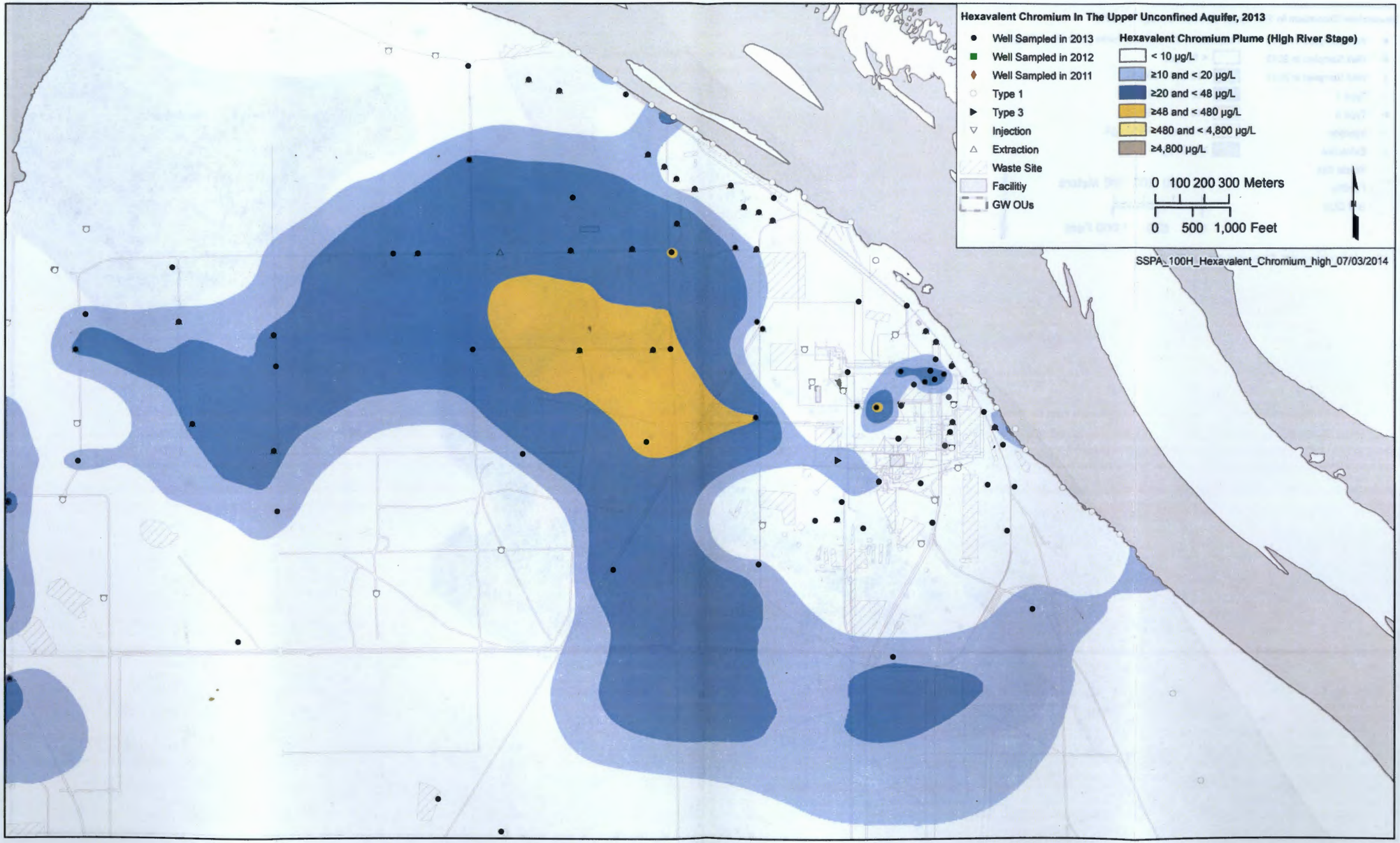

Figure C.17. Hexavalent Chromium in 100-HR-3-H – High River Stage

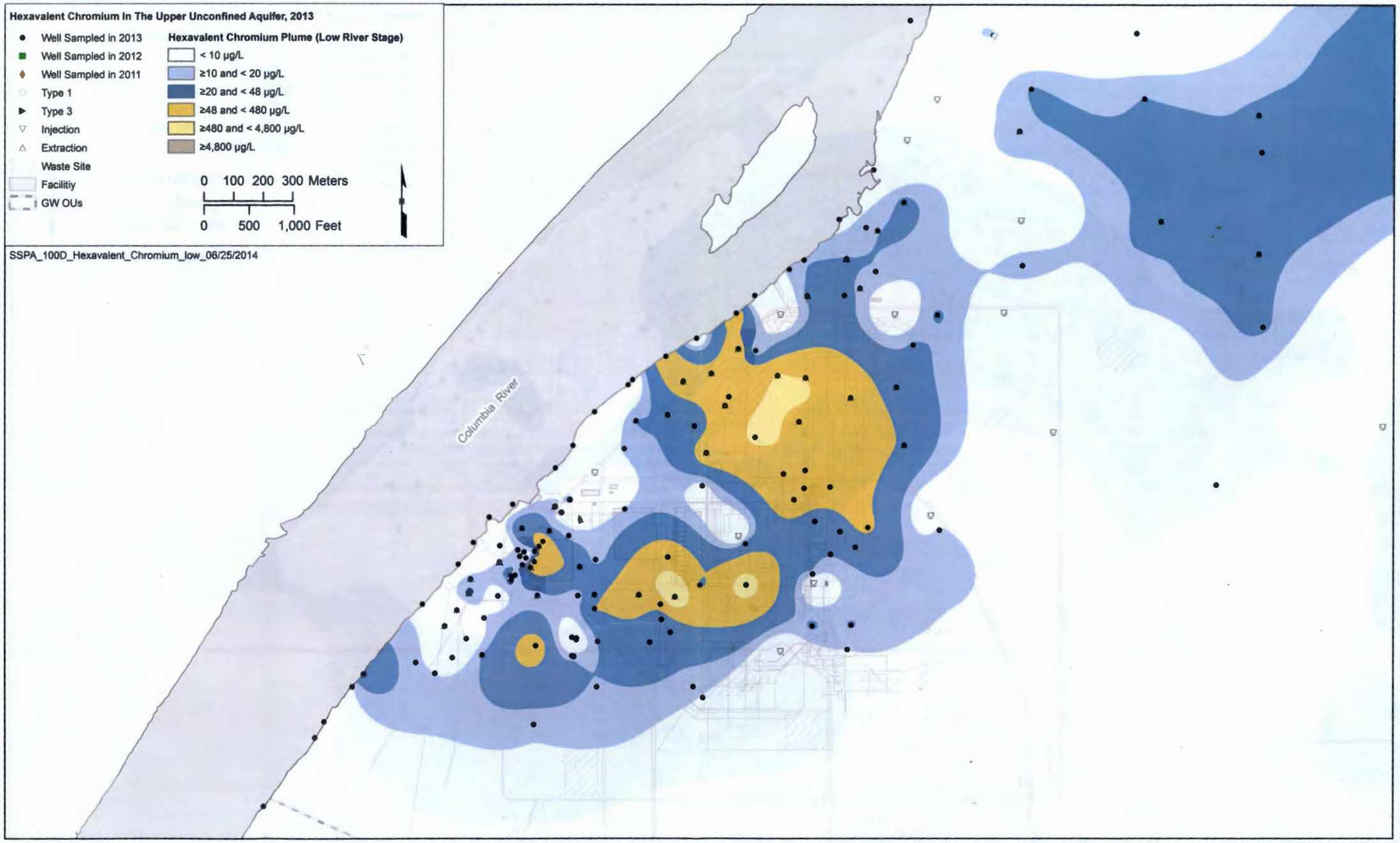

Figure C.18. Hexavalent Chromium in 100-HR-3-D – Low River Stage

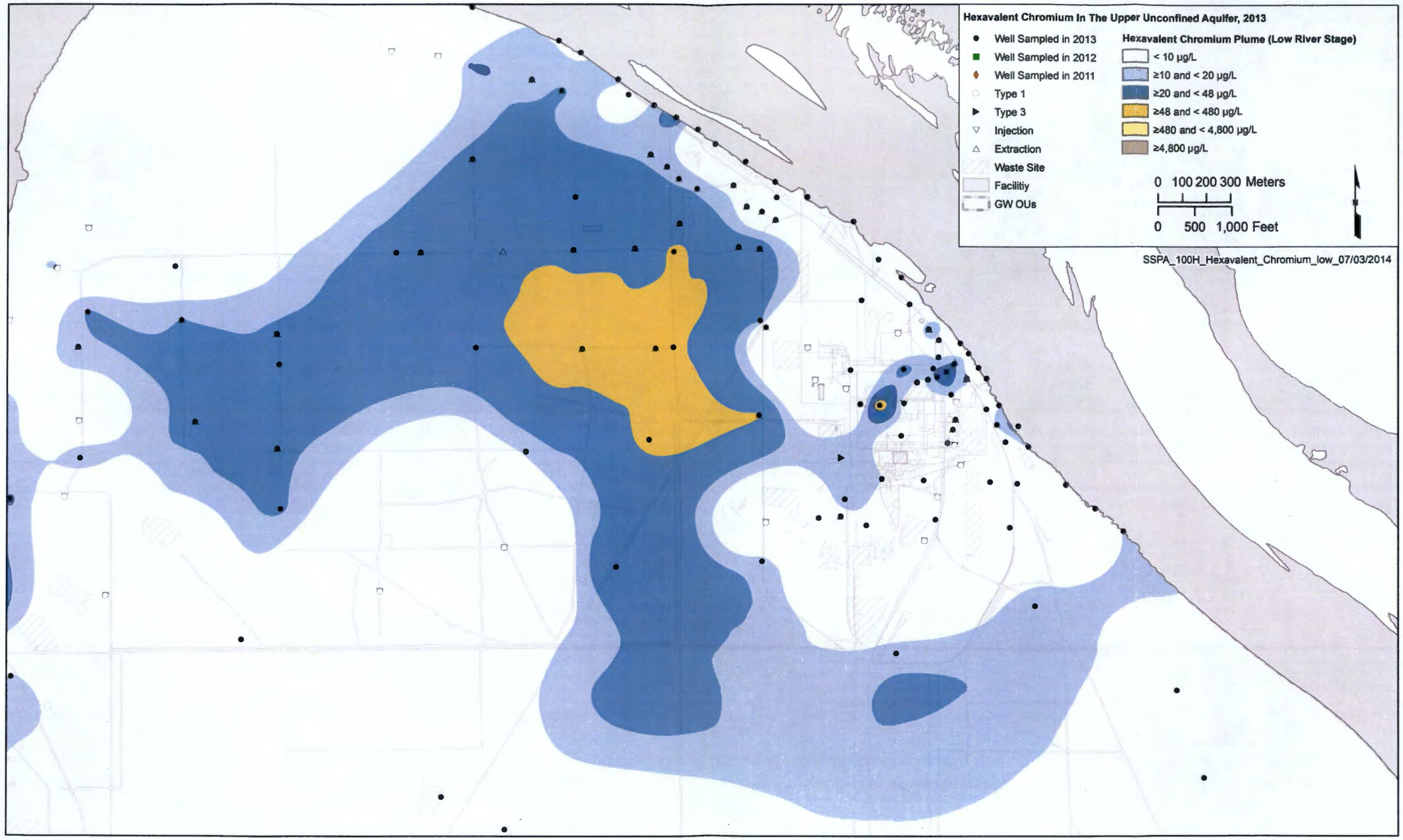

Figure C.19. Hexavalent Chromium in 100-HR-3-H – Low River Stage

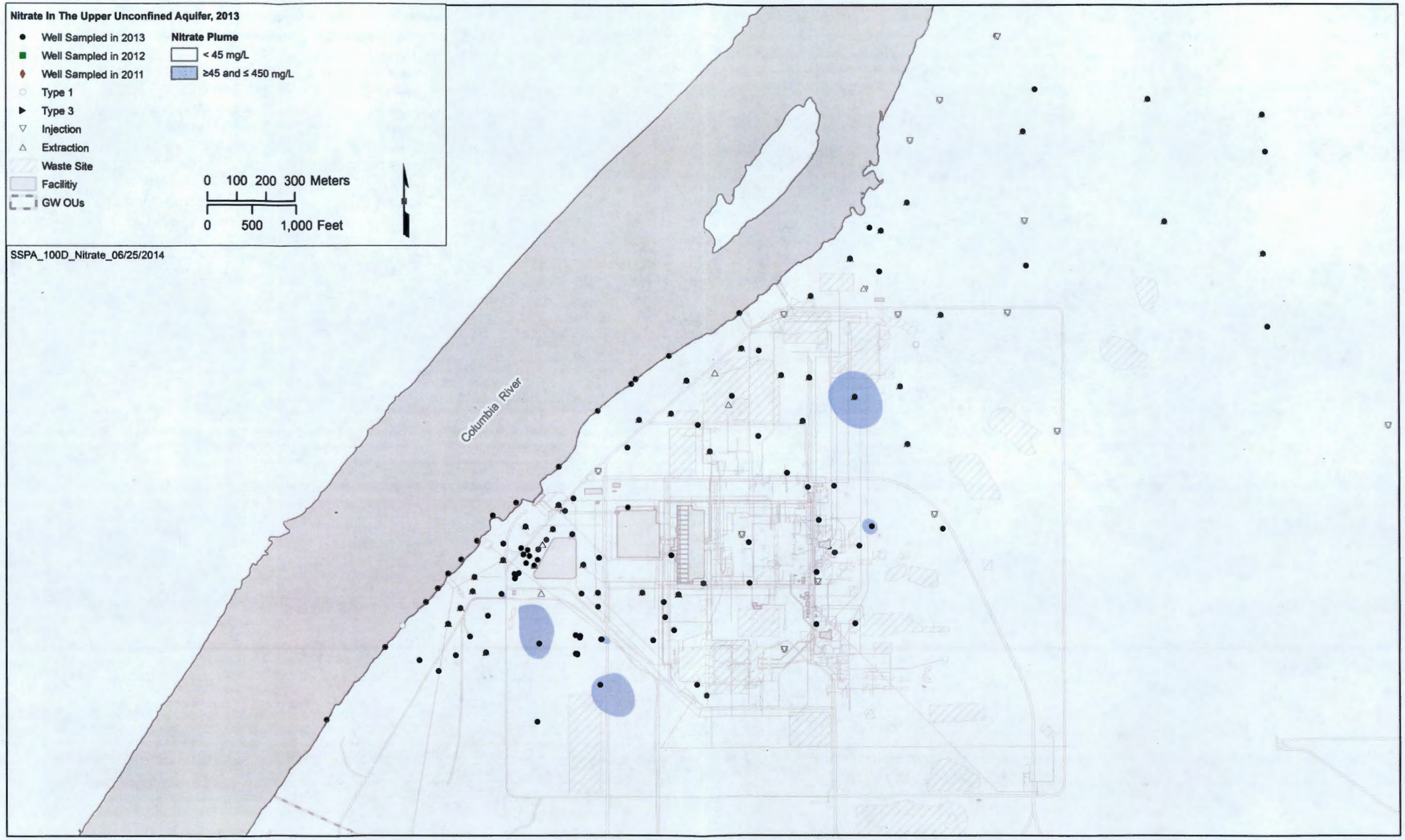

Figure C.20. Nitrate in 100-HR-3-D

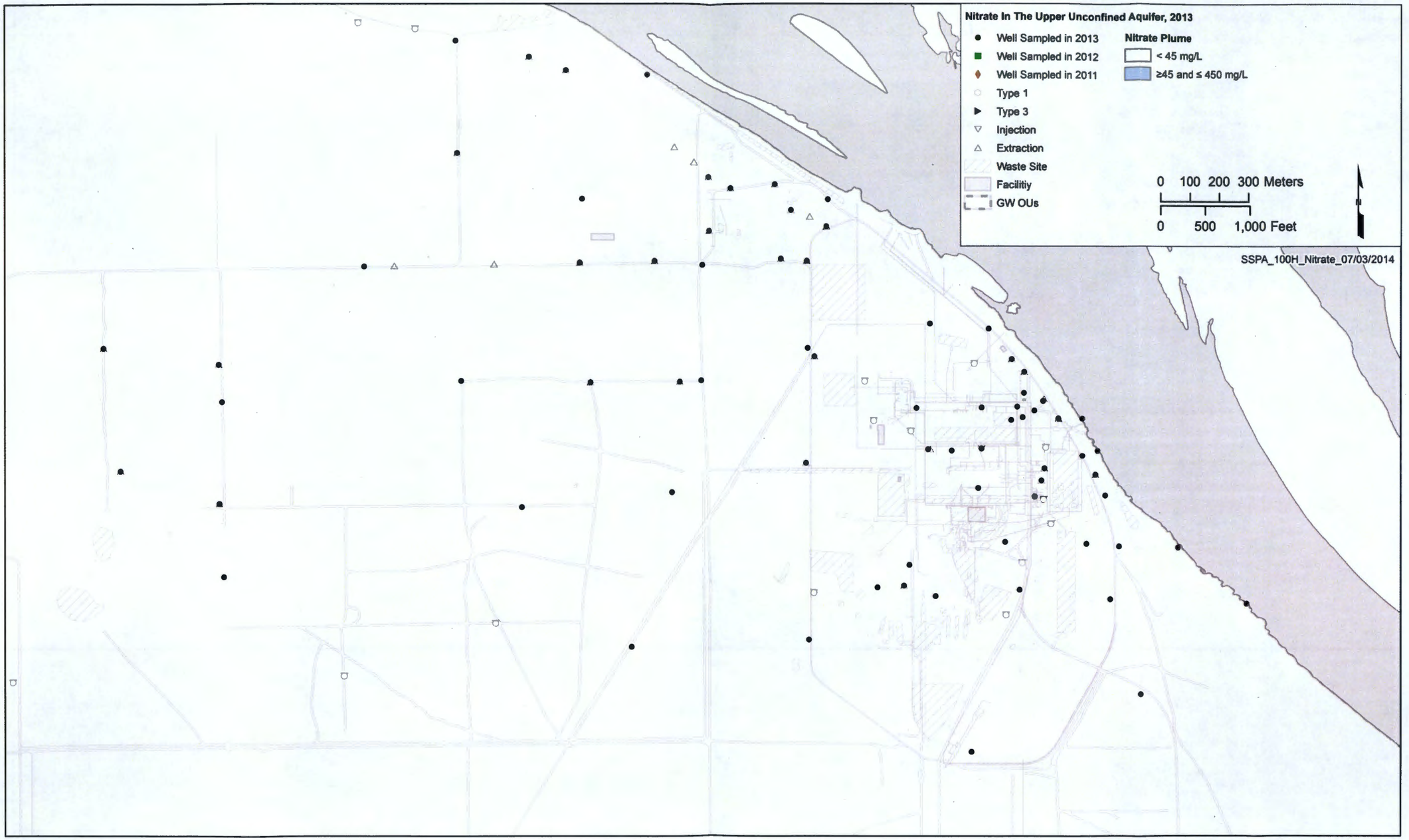

Figure C.21. Nitrate in 100-HR-3-H

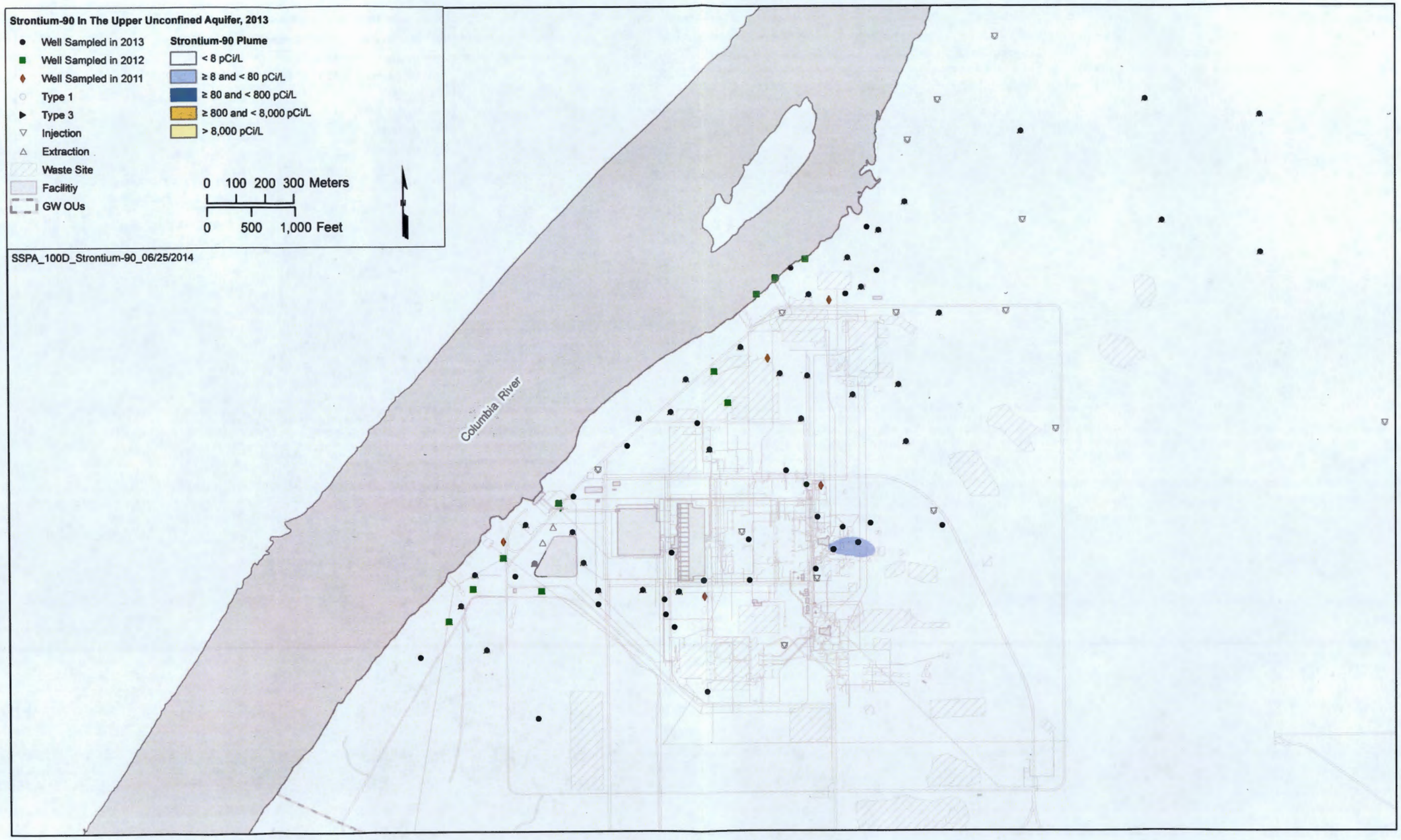

Figure C.22. Strontium-90 in 100-HR-3-D

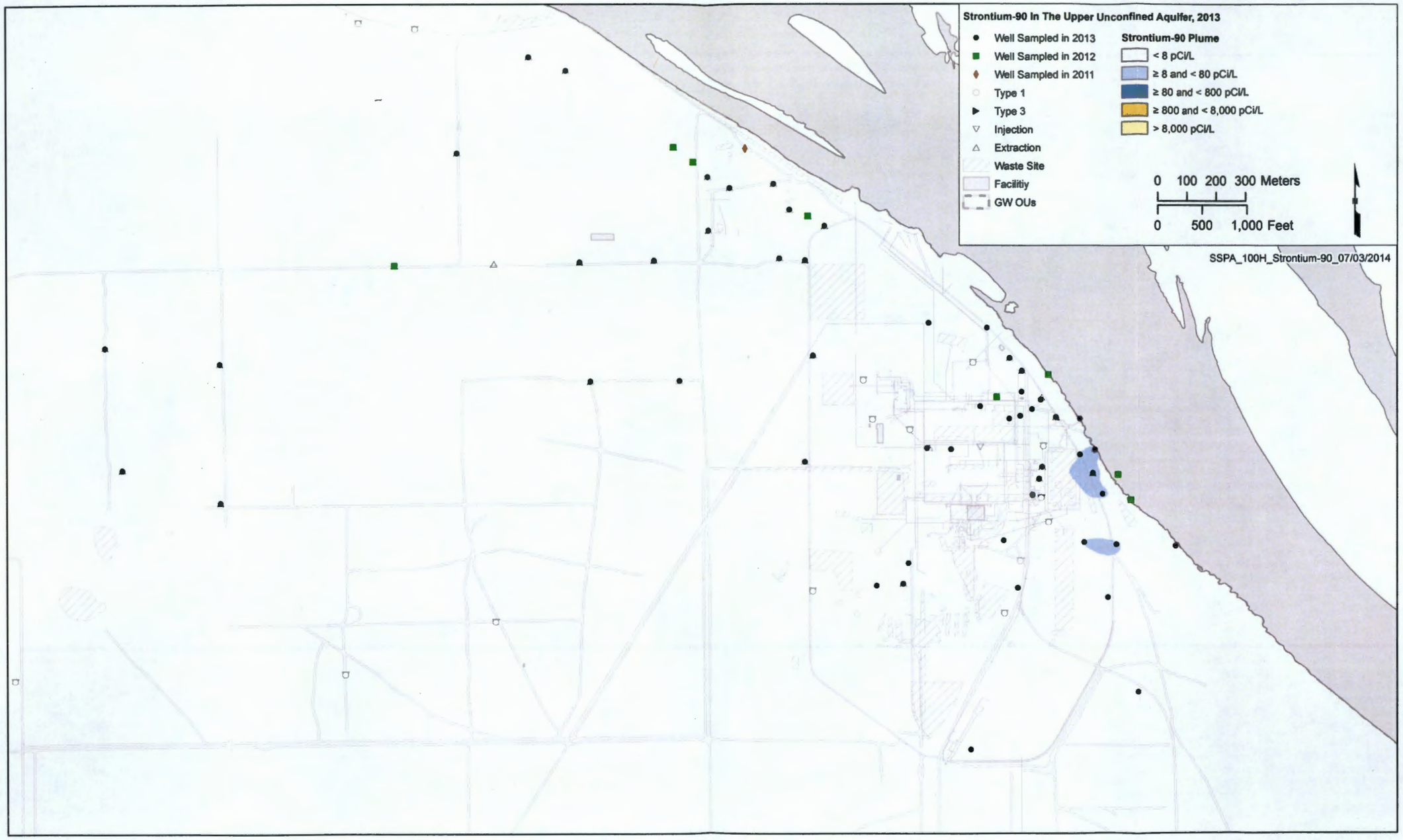

Figure C.23. Strontium-90 in 100-HR-3-H

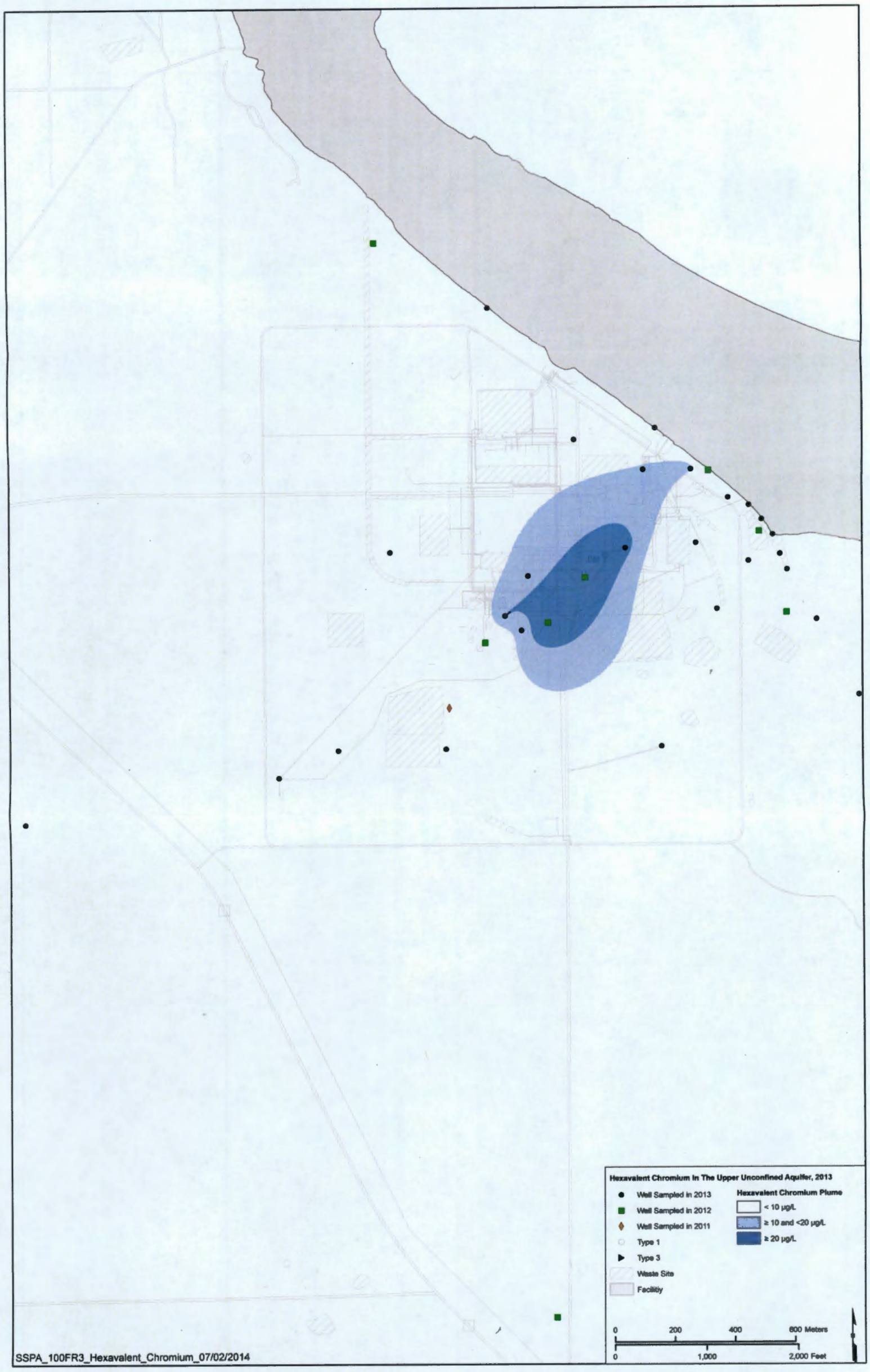

Figure C.24. Hexavalent Chromium in 100-FR-3

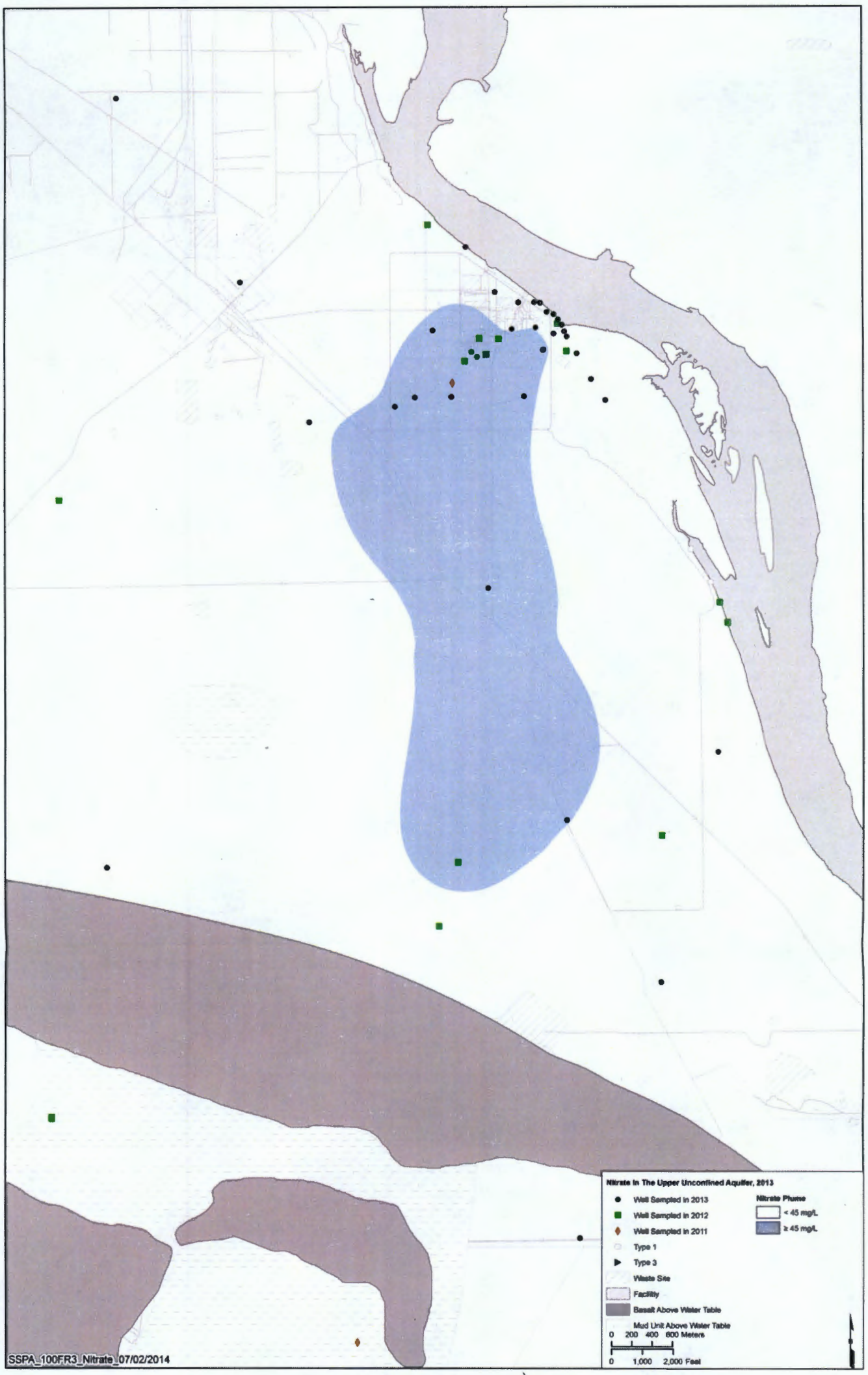

Figure C.25. Nitrate in 100-FR-3

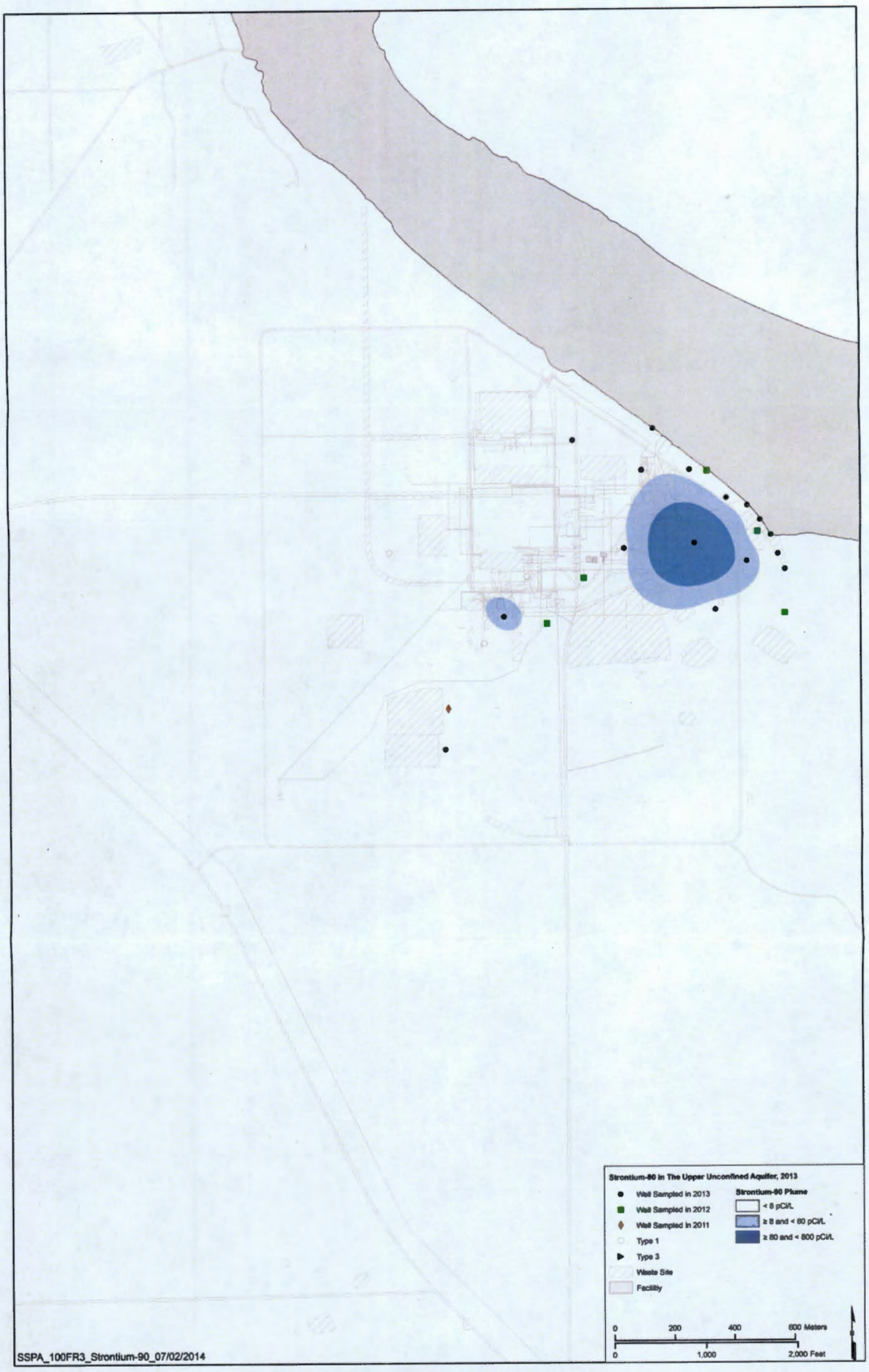

Figure C.26. Strontium-90 in 100-FR-3

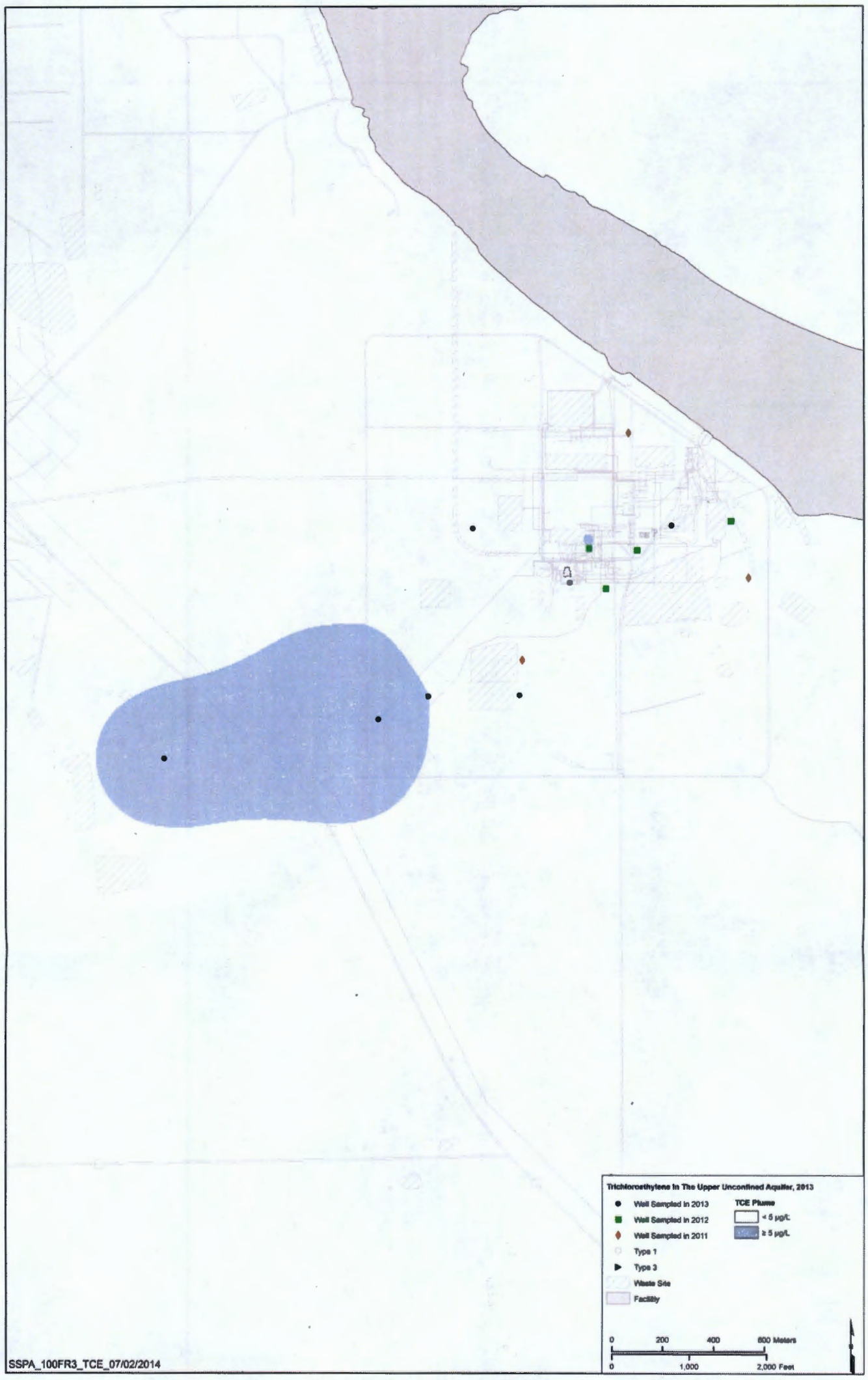

Figure C.27. TCE in 100-FR-3

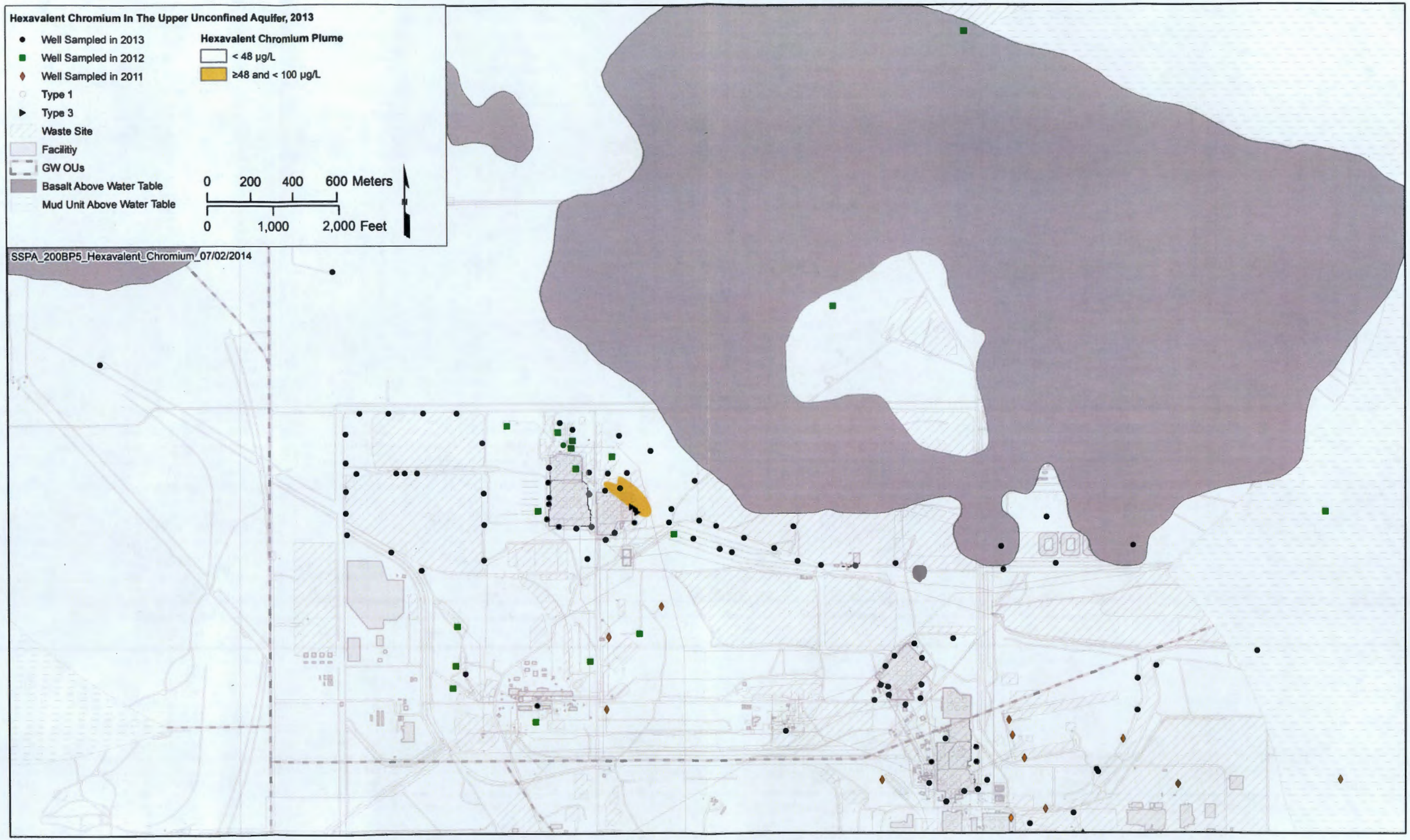

Figure C.28. Hexavalent Chromium in 200-BP-5

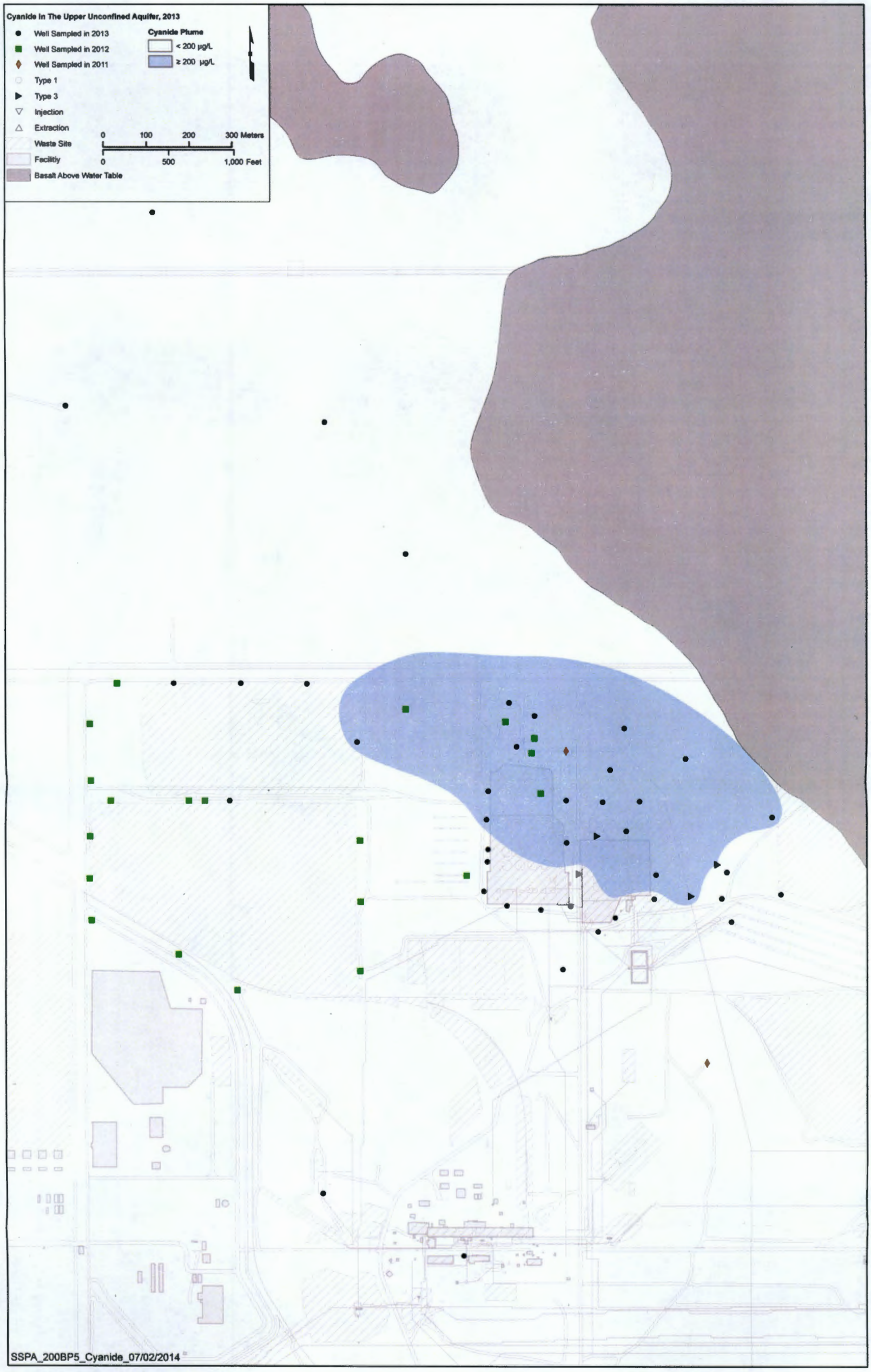

Figure C.29. Cyanide in 200-BP-5

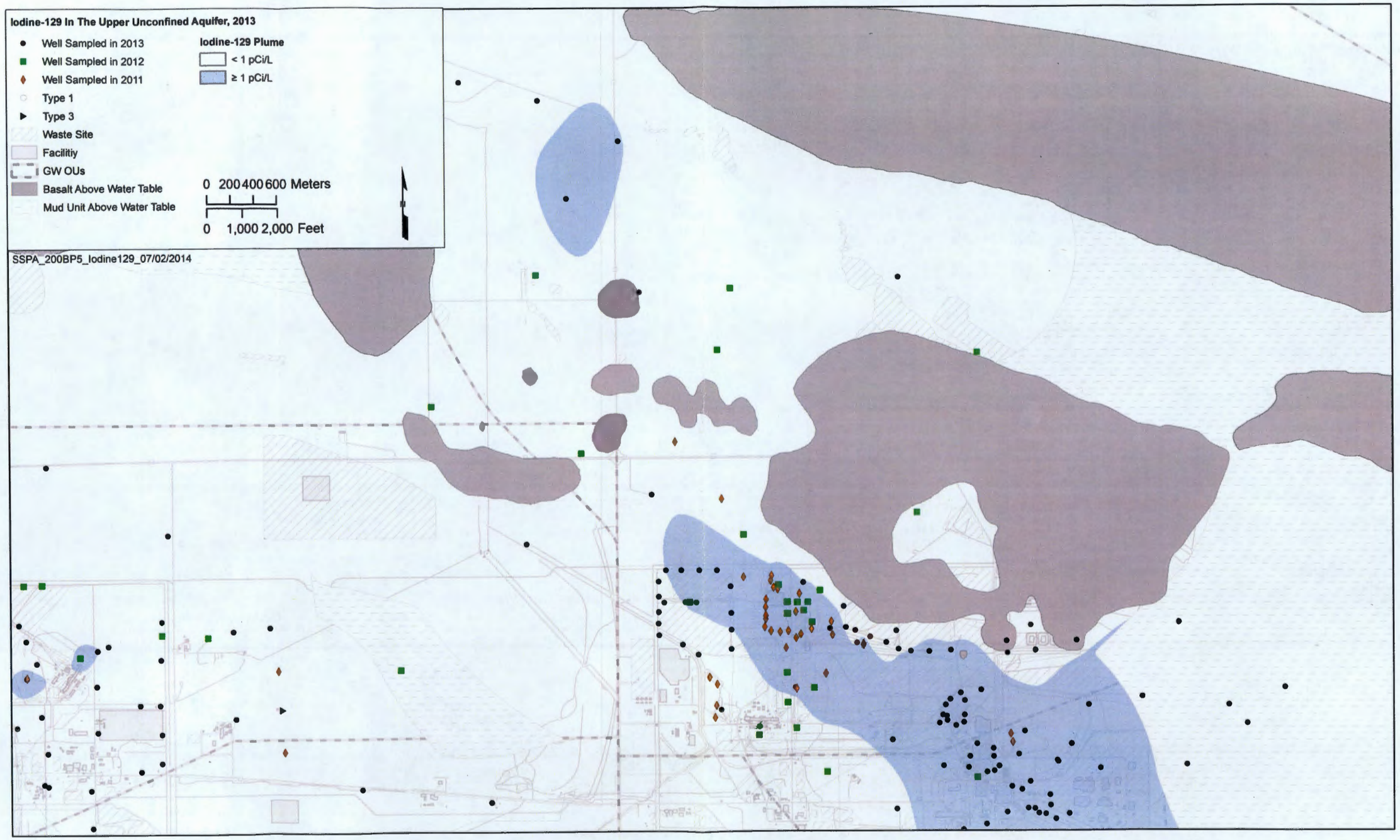

Figure C.30. Iodine-129 in 200-BP-5

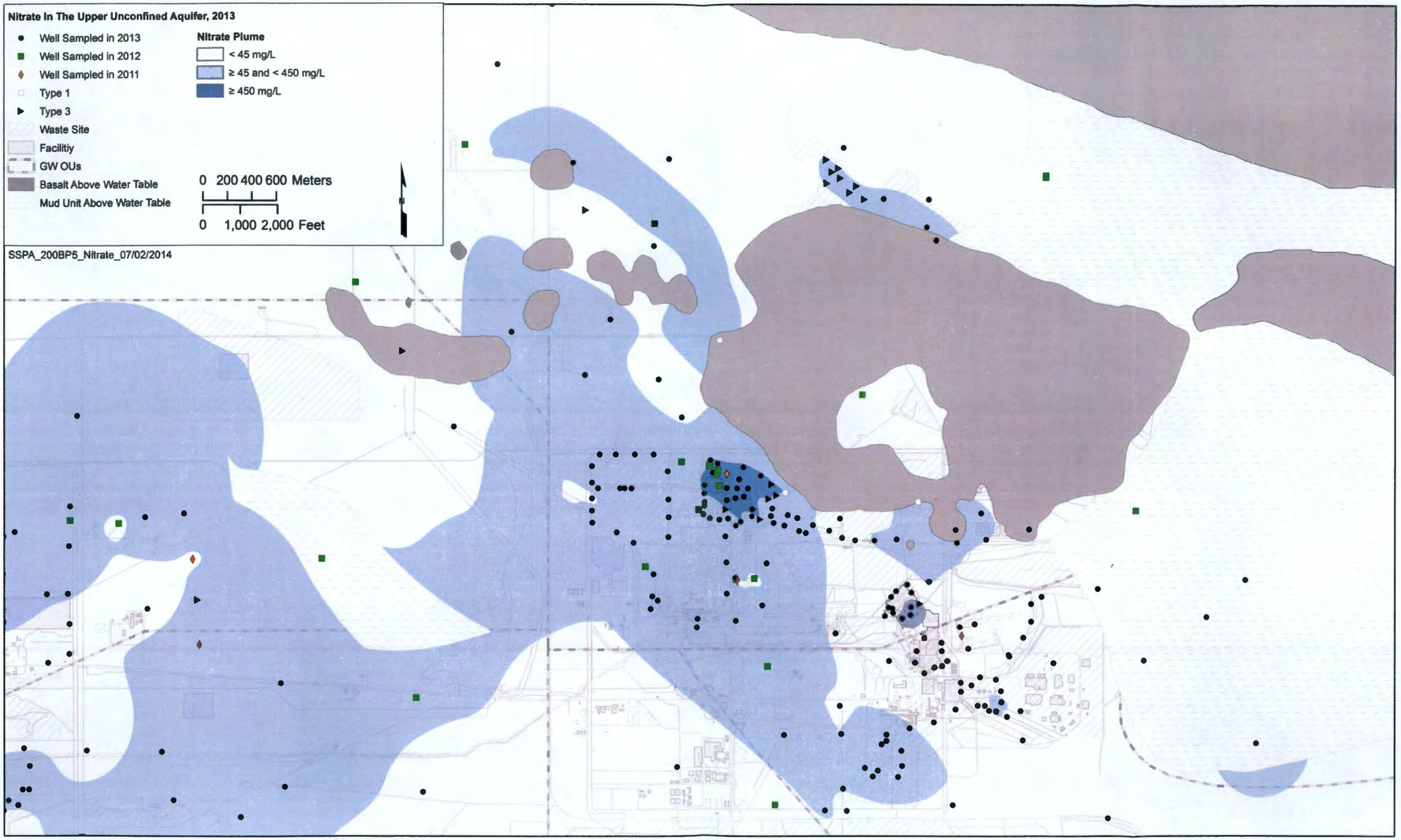

Figure C.31. Nitrate in 200-BP-5

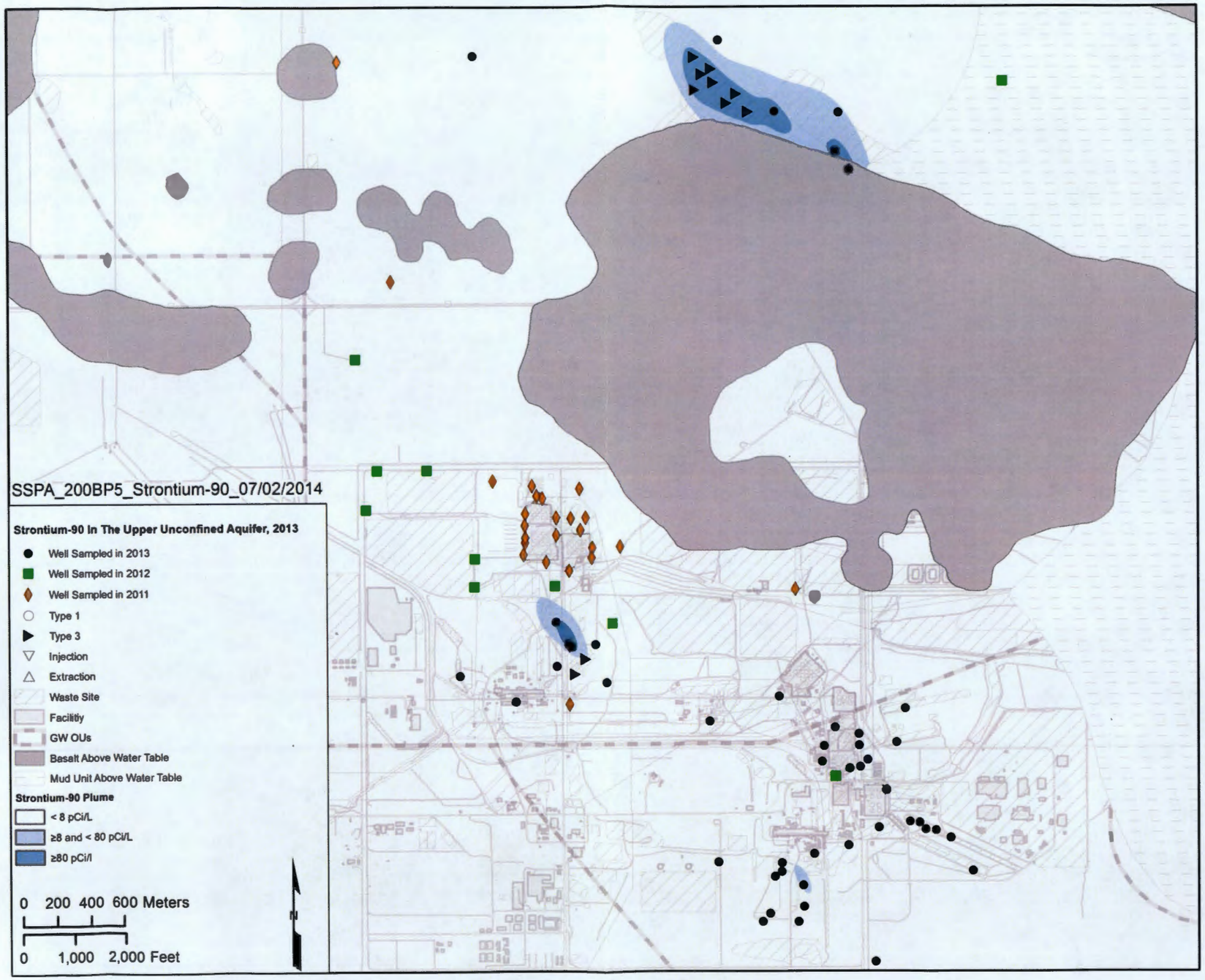

Figure C.32. Strontium-90 in 200-BP-5

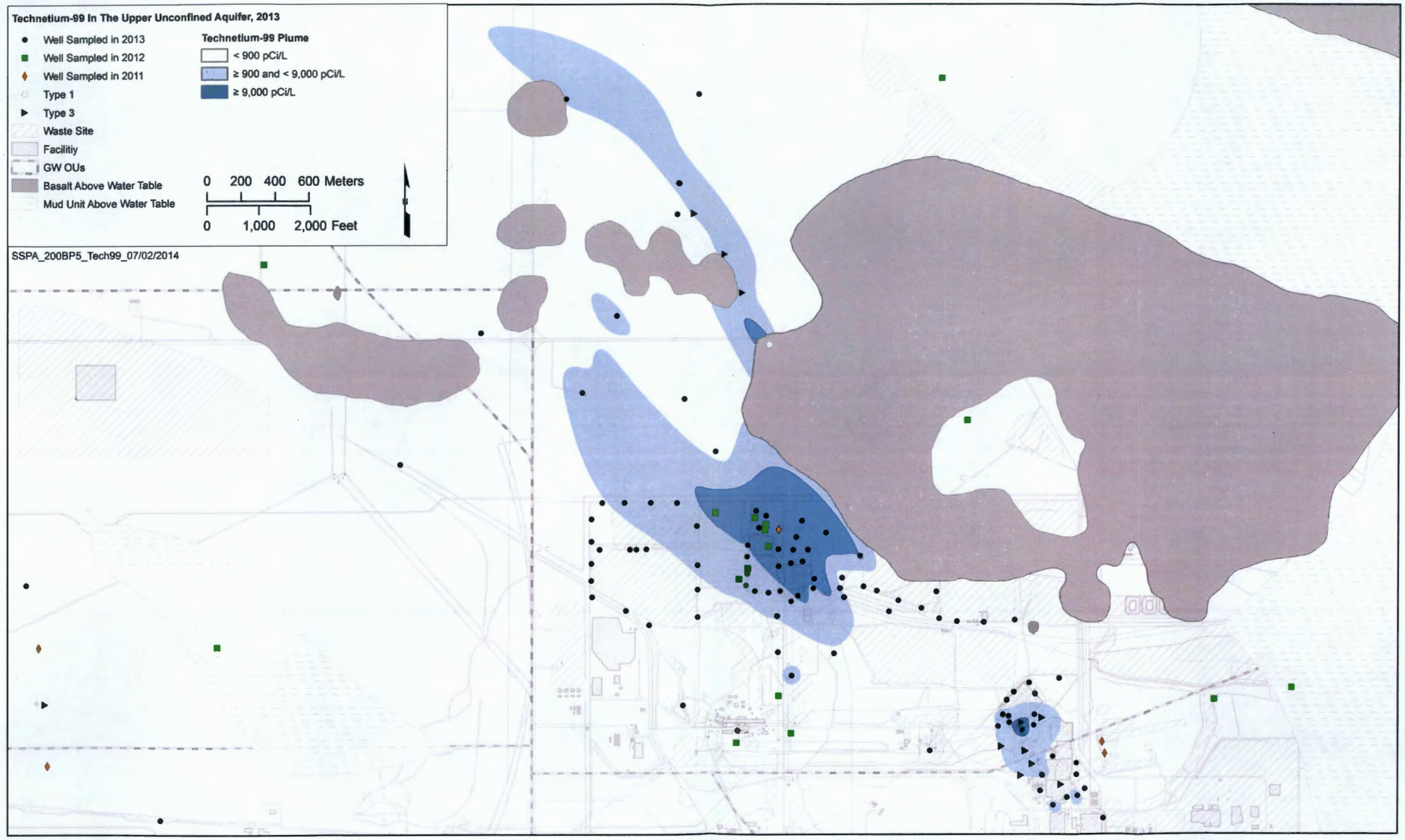

Figure C.33. Technetium-99 in 200-BP-5

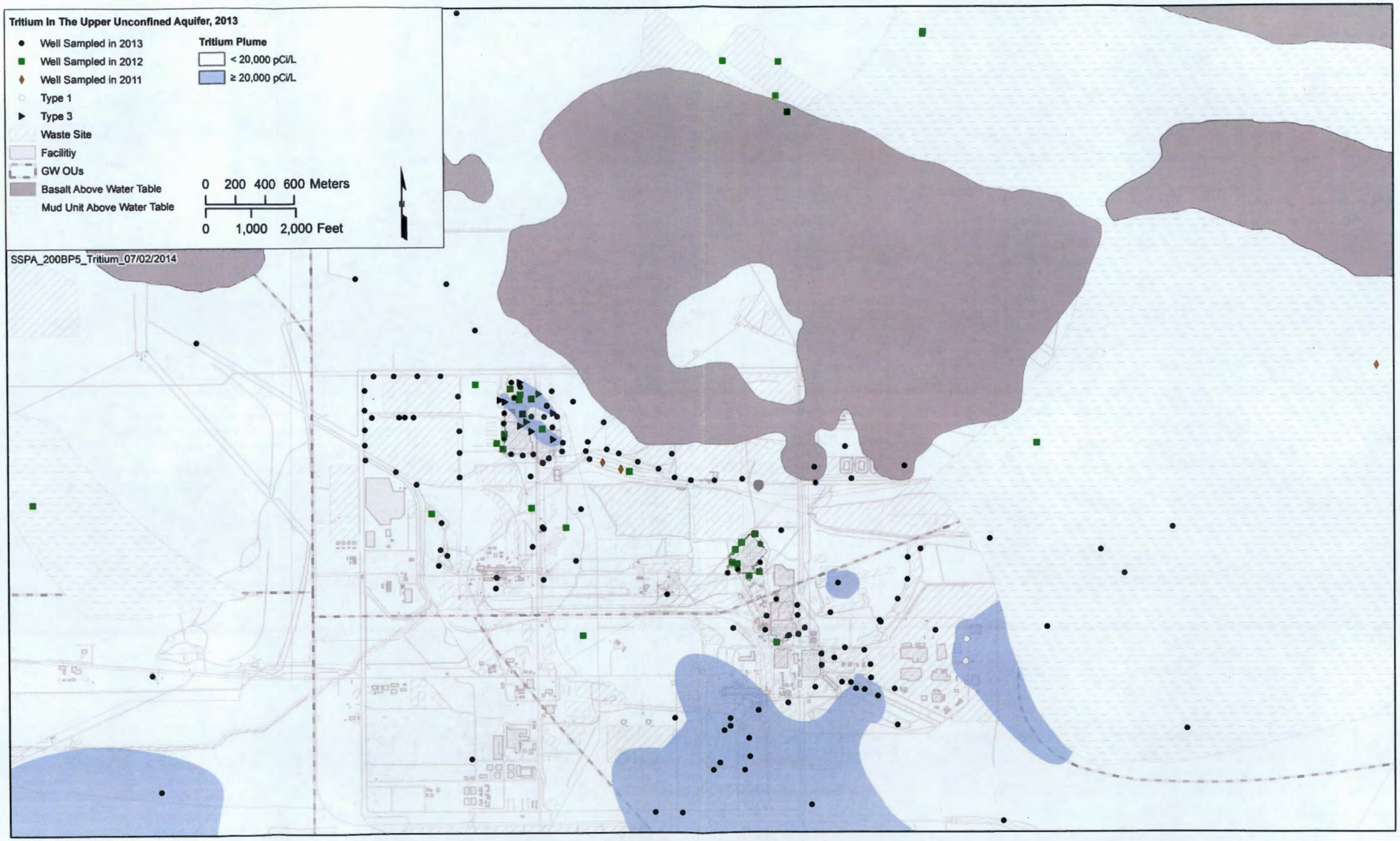

Figure C.34. Tritium in 200-BP-5

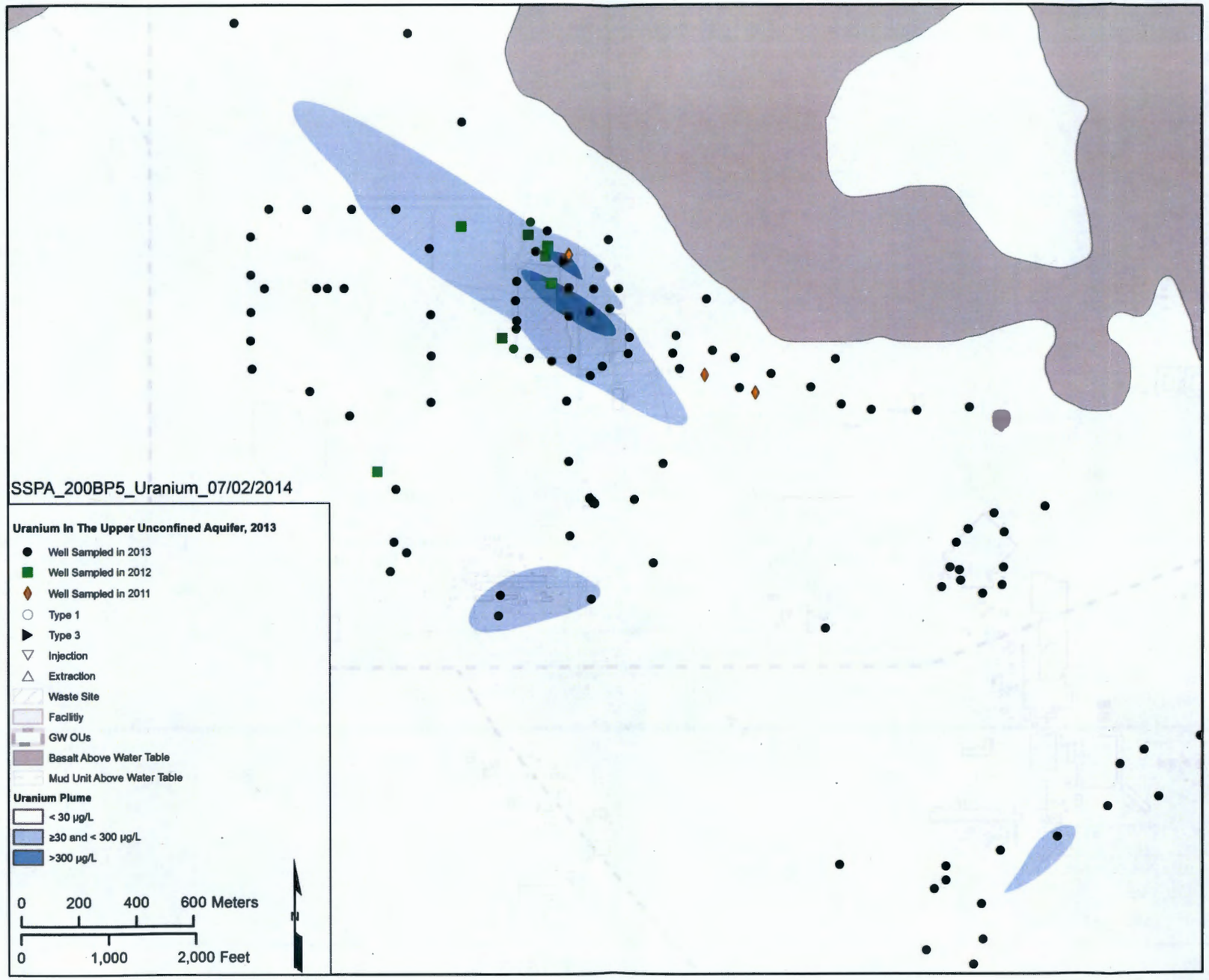

Figure C.35. Uranium in 200-BP-5

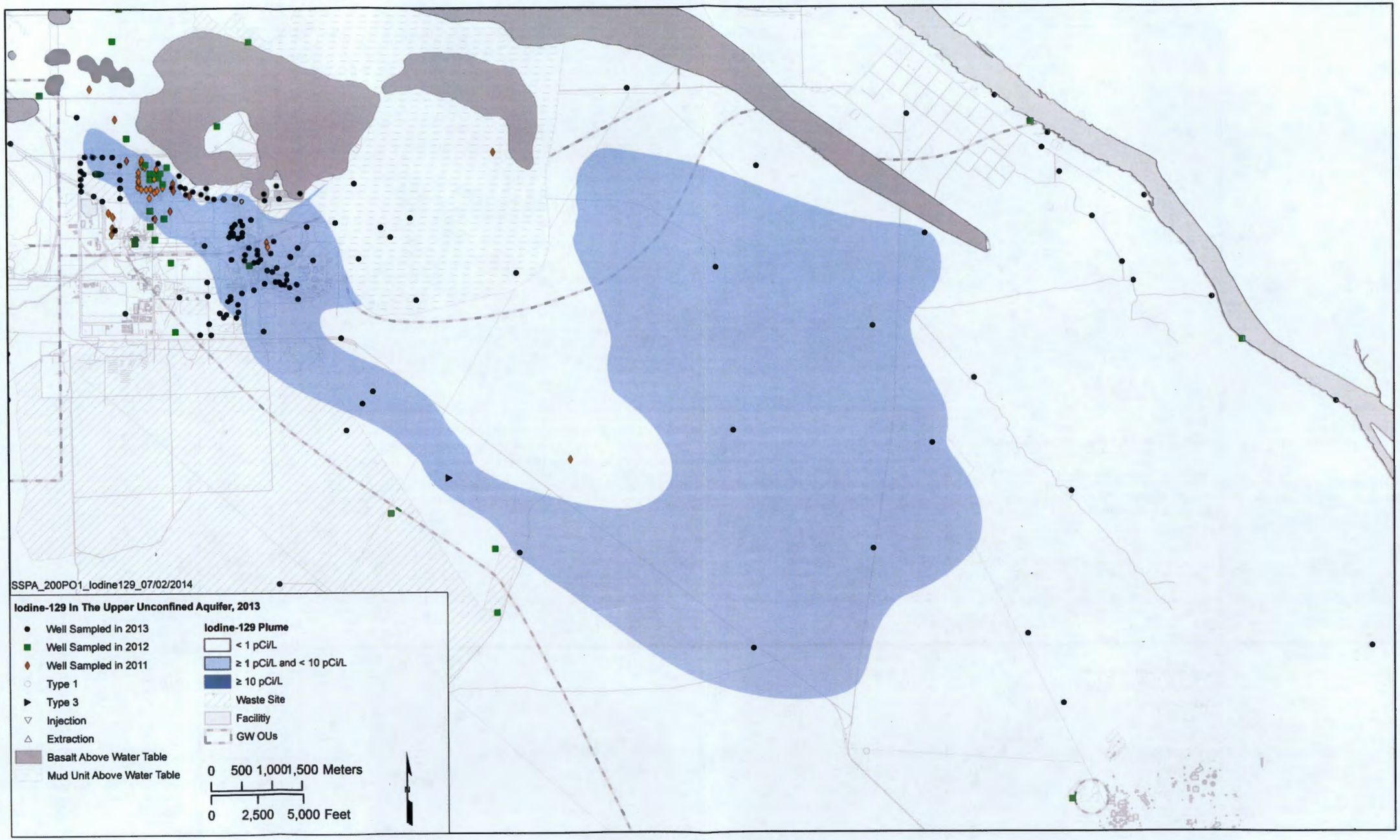

Figure C.36. Iodine-129 in 200-PO-1

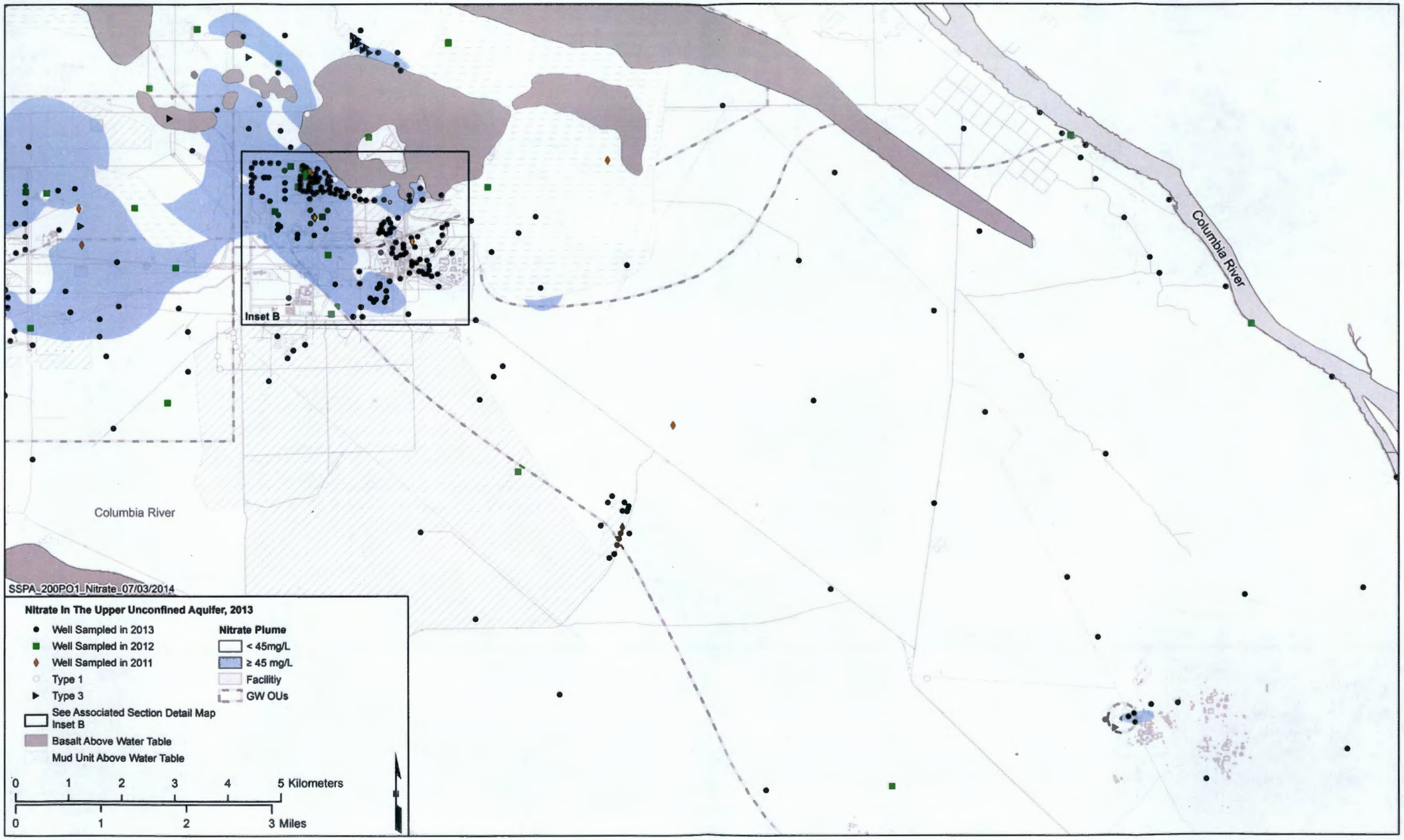

Figure C.37. Nitrate in 200-PO-1

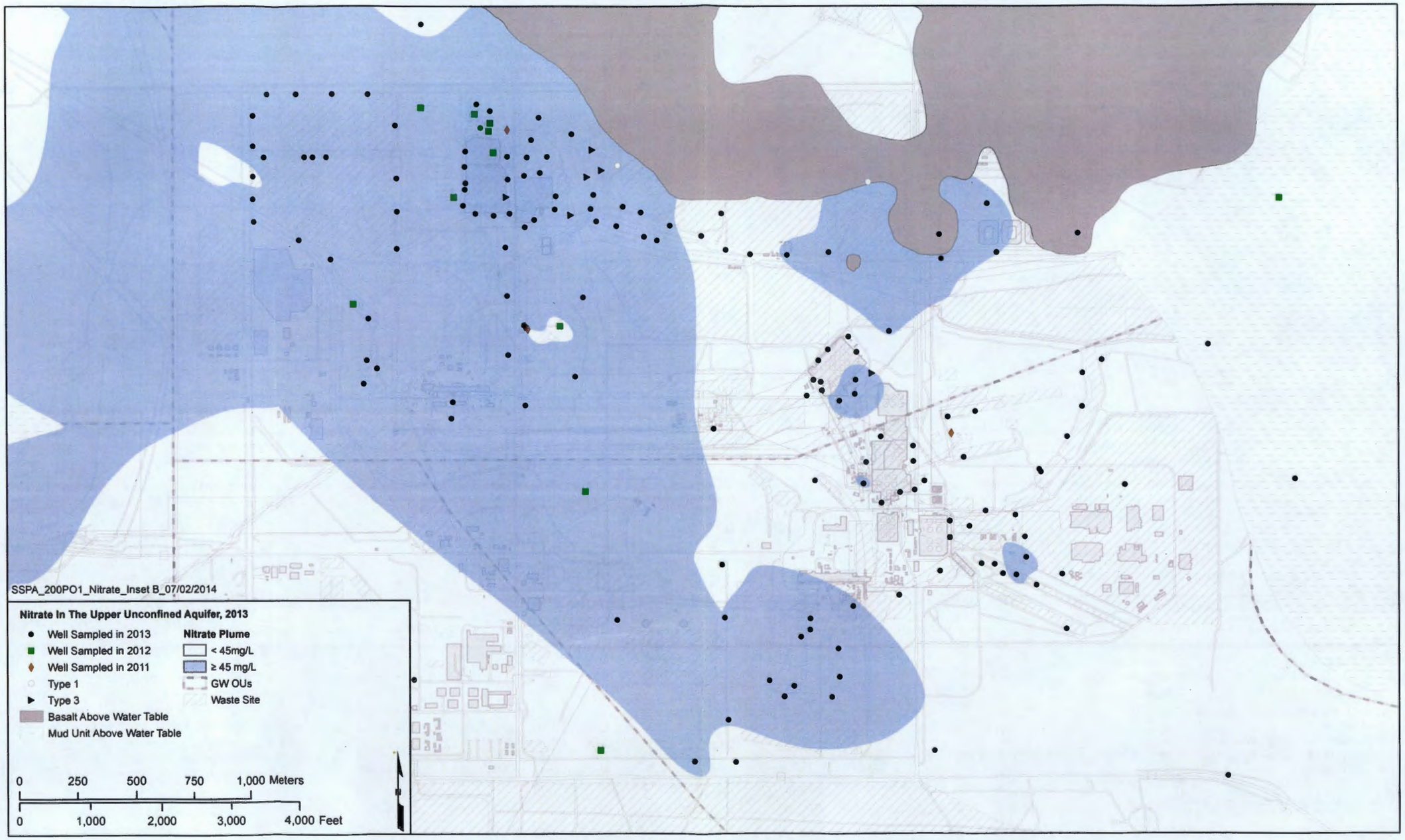

Figure C.38. Nitrate in 200-BP-5 / 200-PO-1

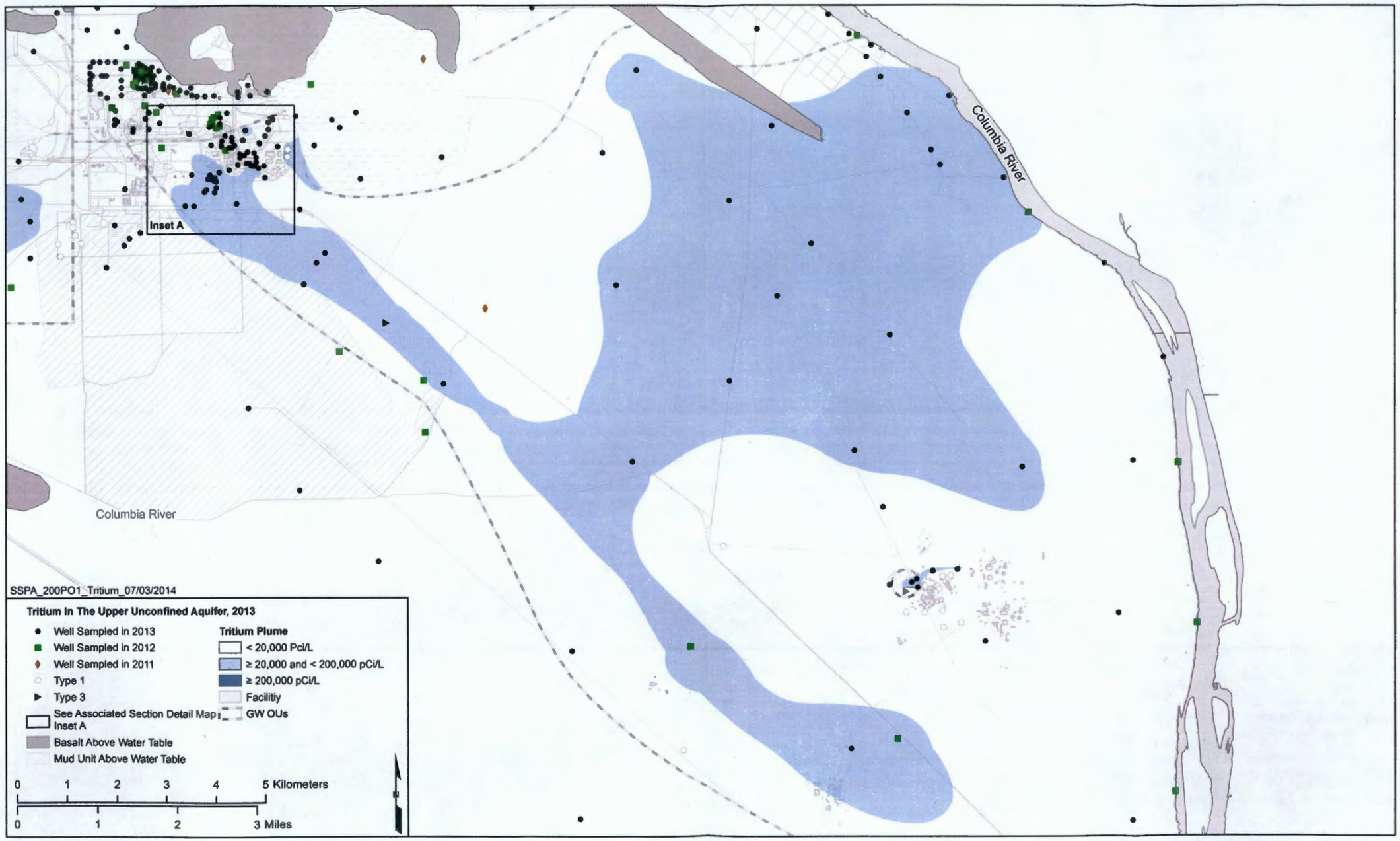

Figure C.39. Tritium in 200-PO-1

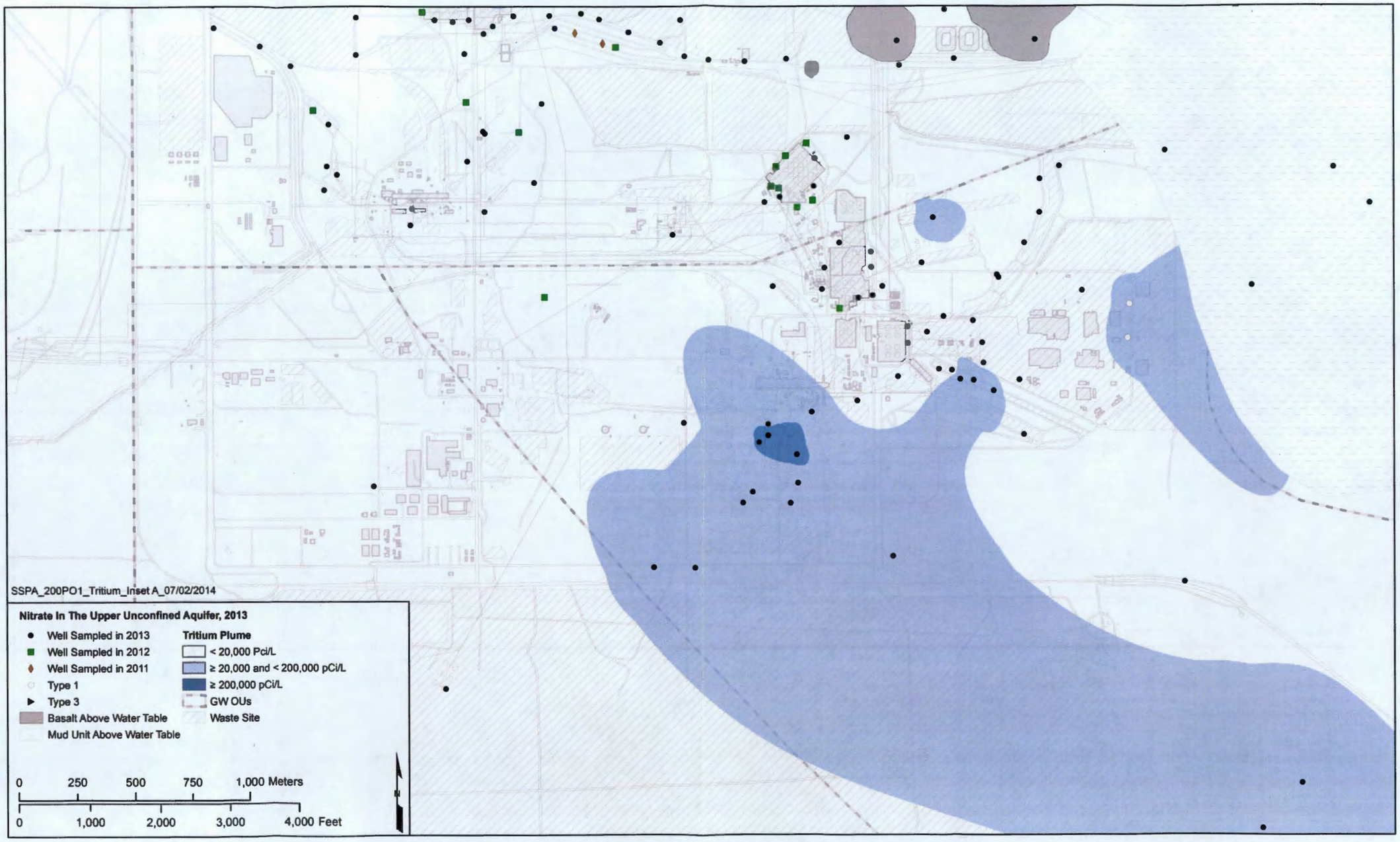

Figure C.40. Tritium in 200-BP-5 / 200-PO-1

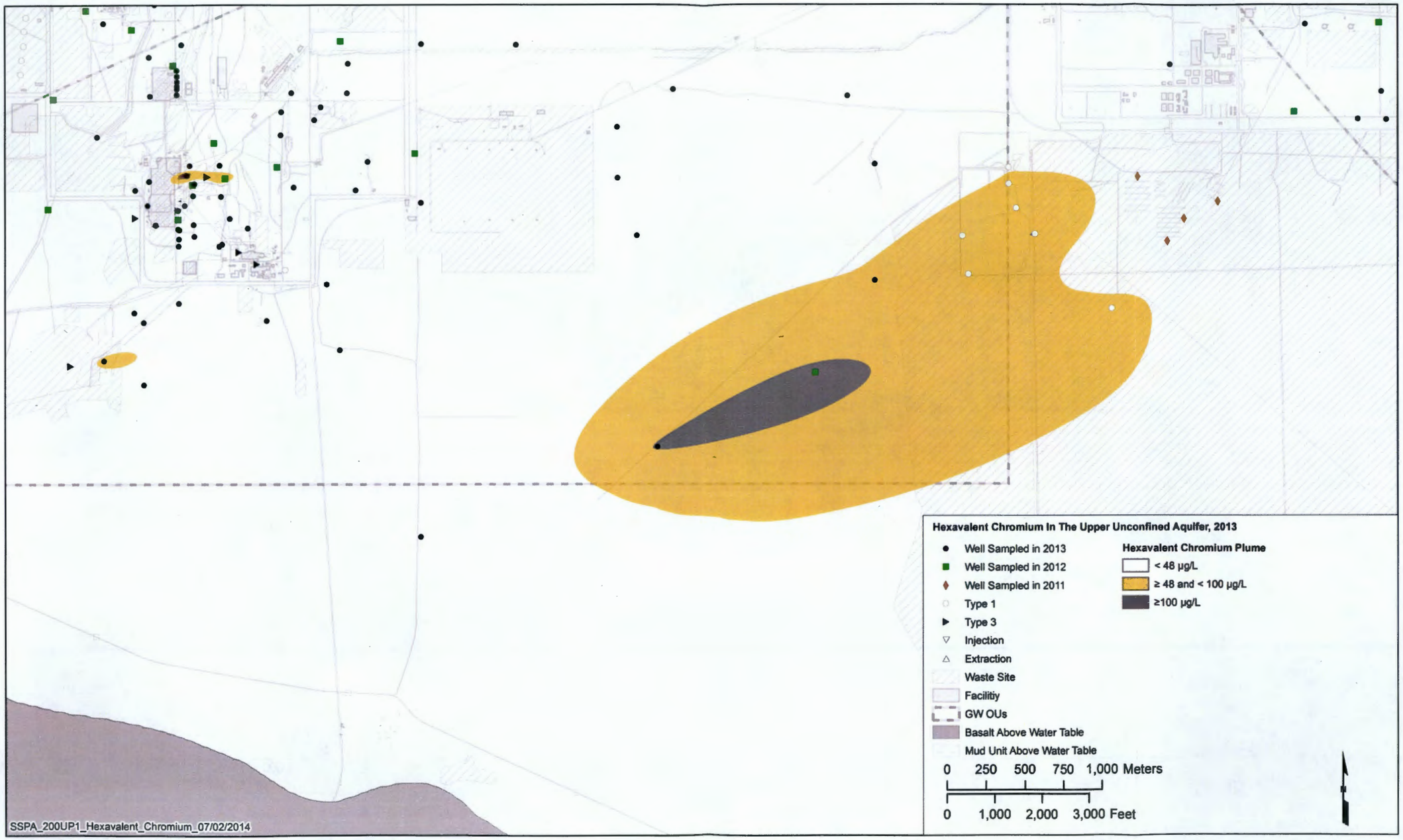

Figure C.41. Hexavalent Chromium in 200-UP-1

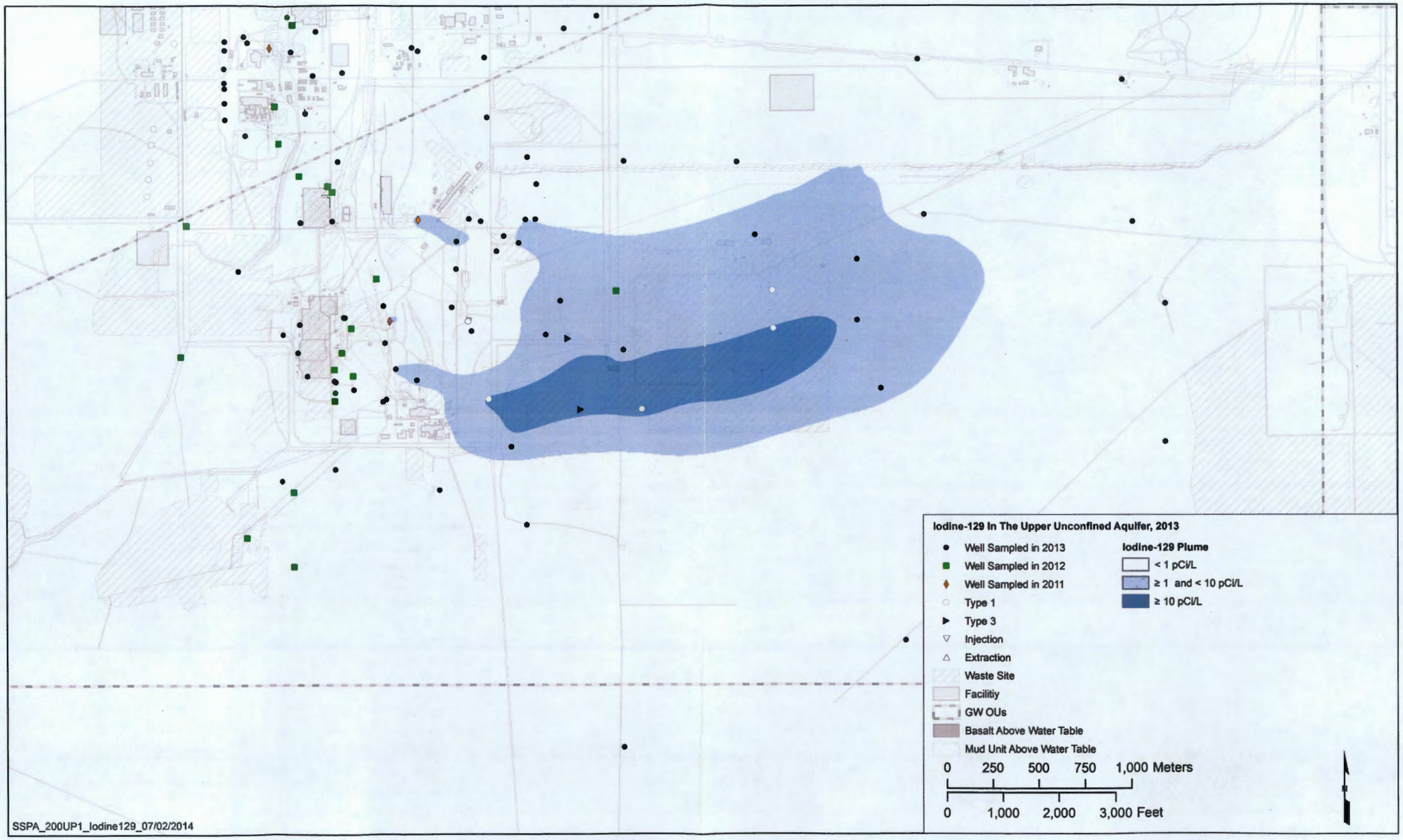

Figure C.42. Iodine-129 in 200-UP-1

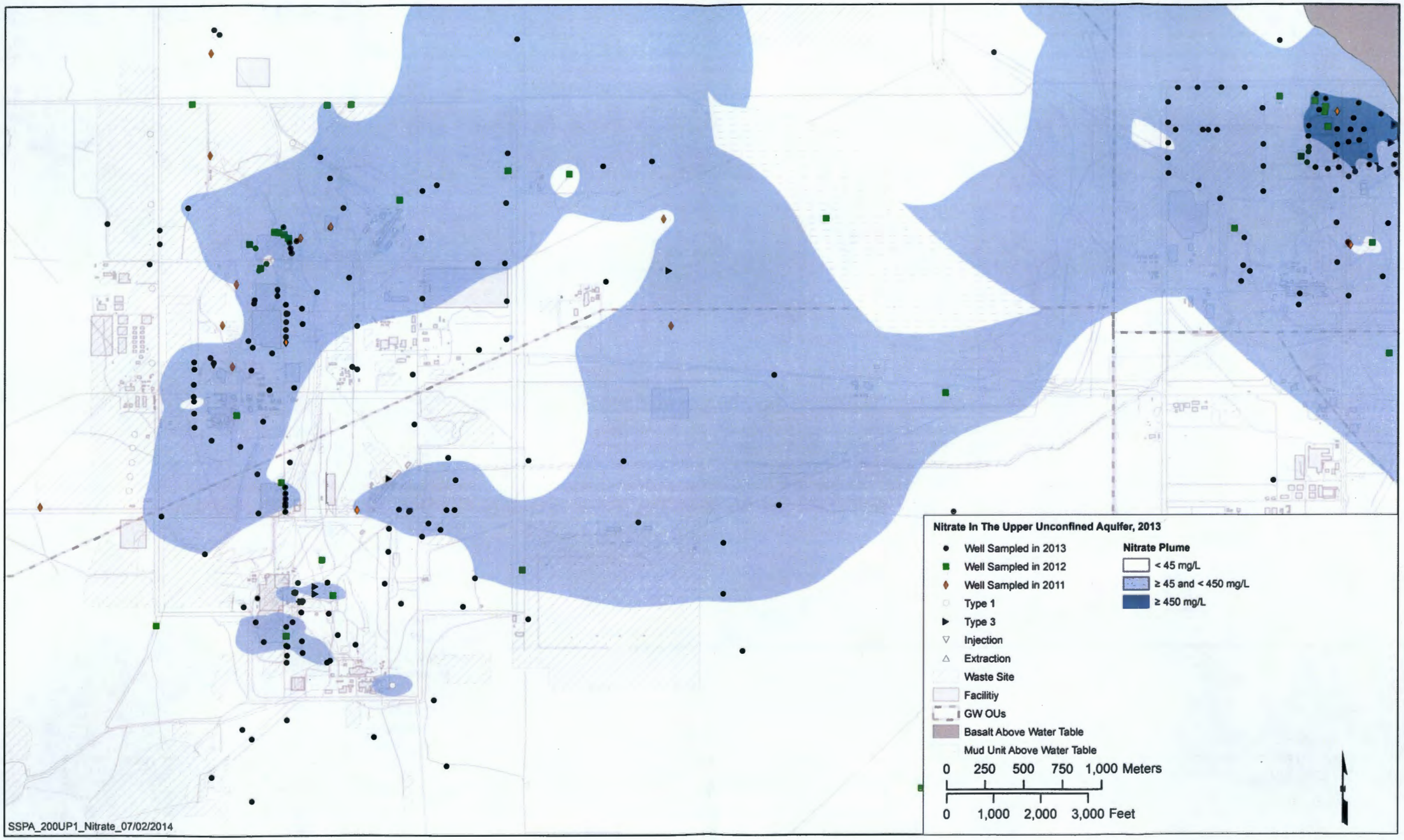

Figure C.43. Nitrate in 200-UP-1

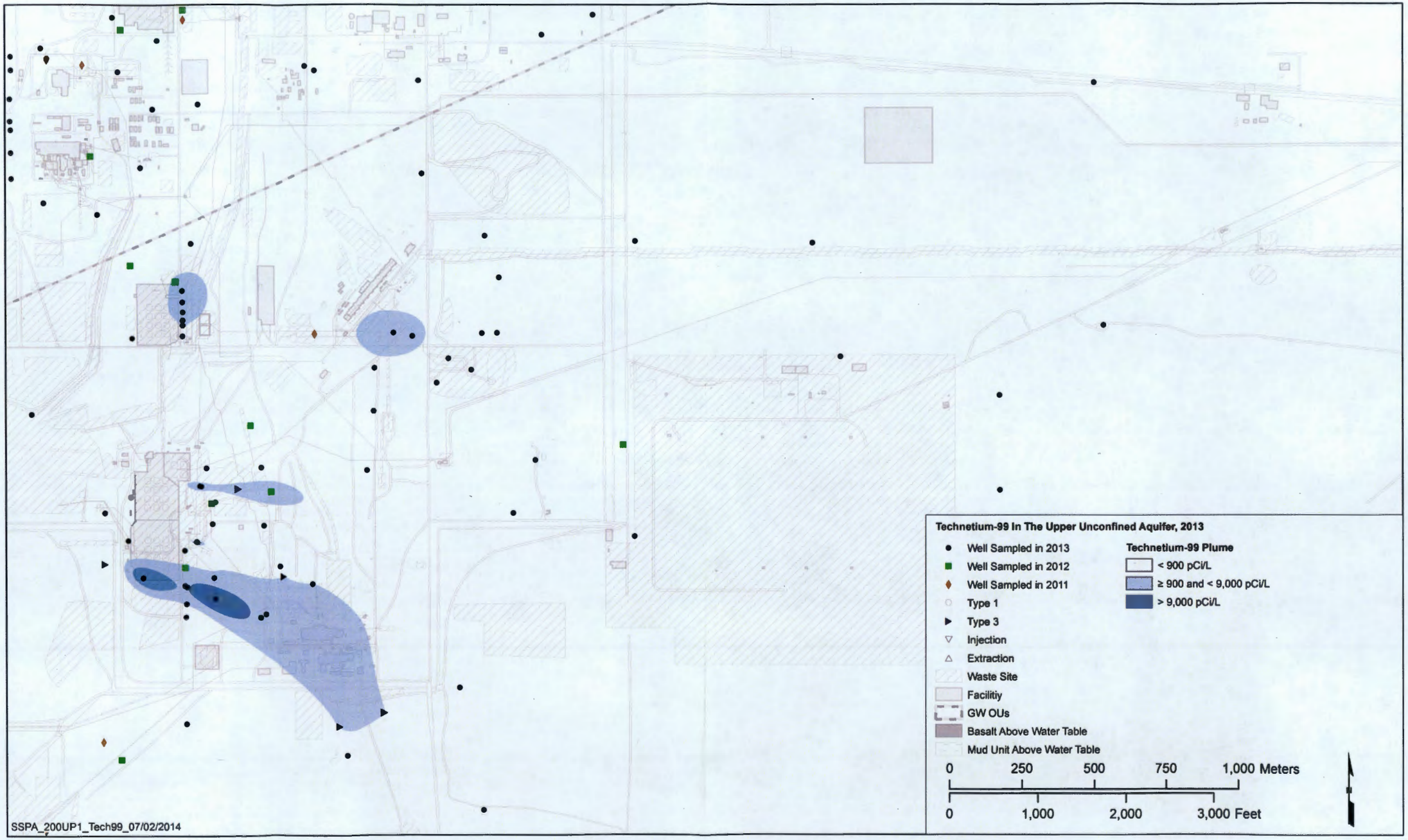

Figure C.44. Technetium-99 in 200-UP-1

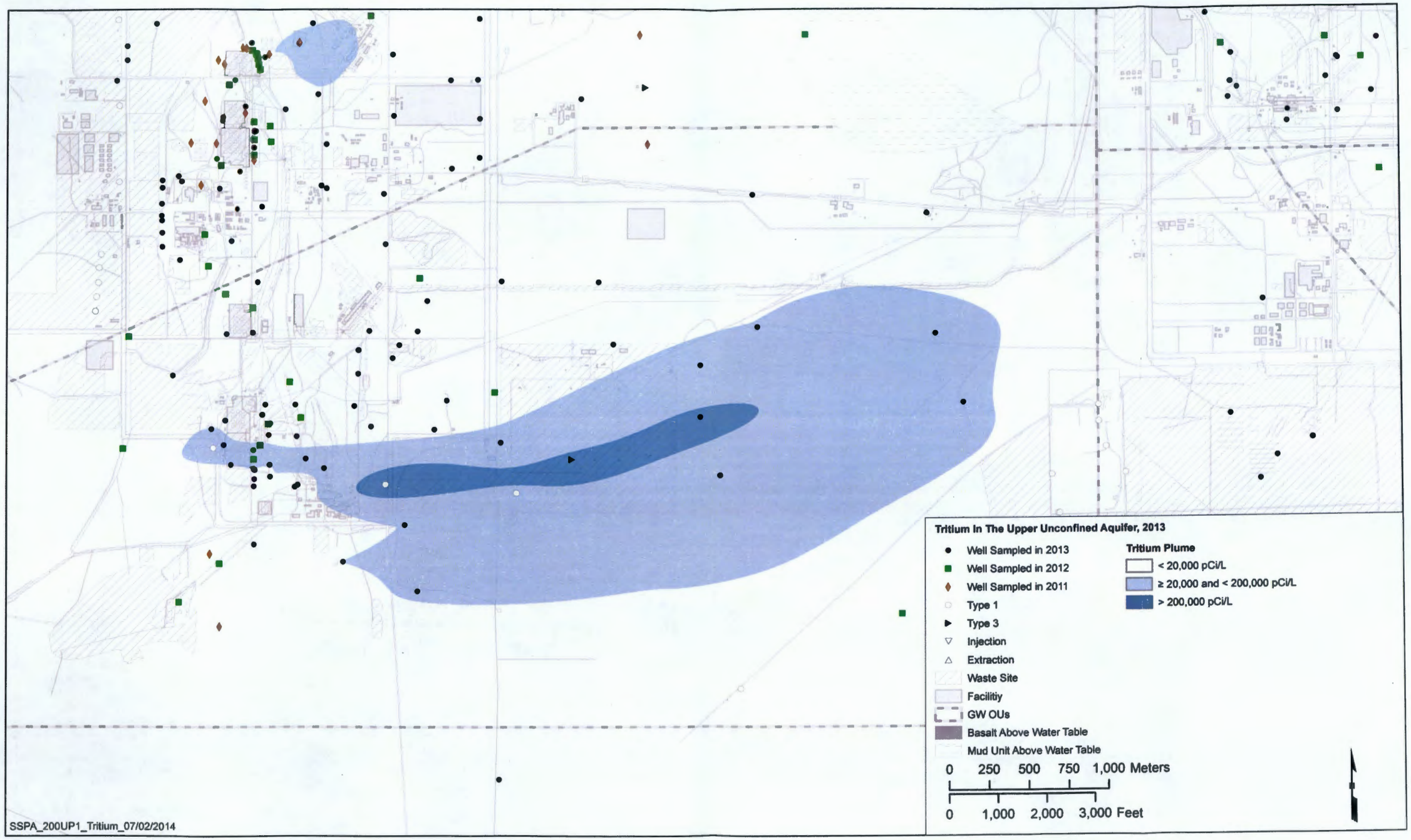

Figure C.45. Tritium in 200-UP-1

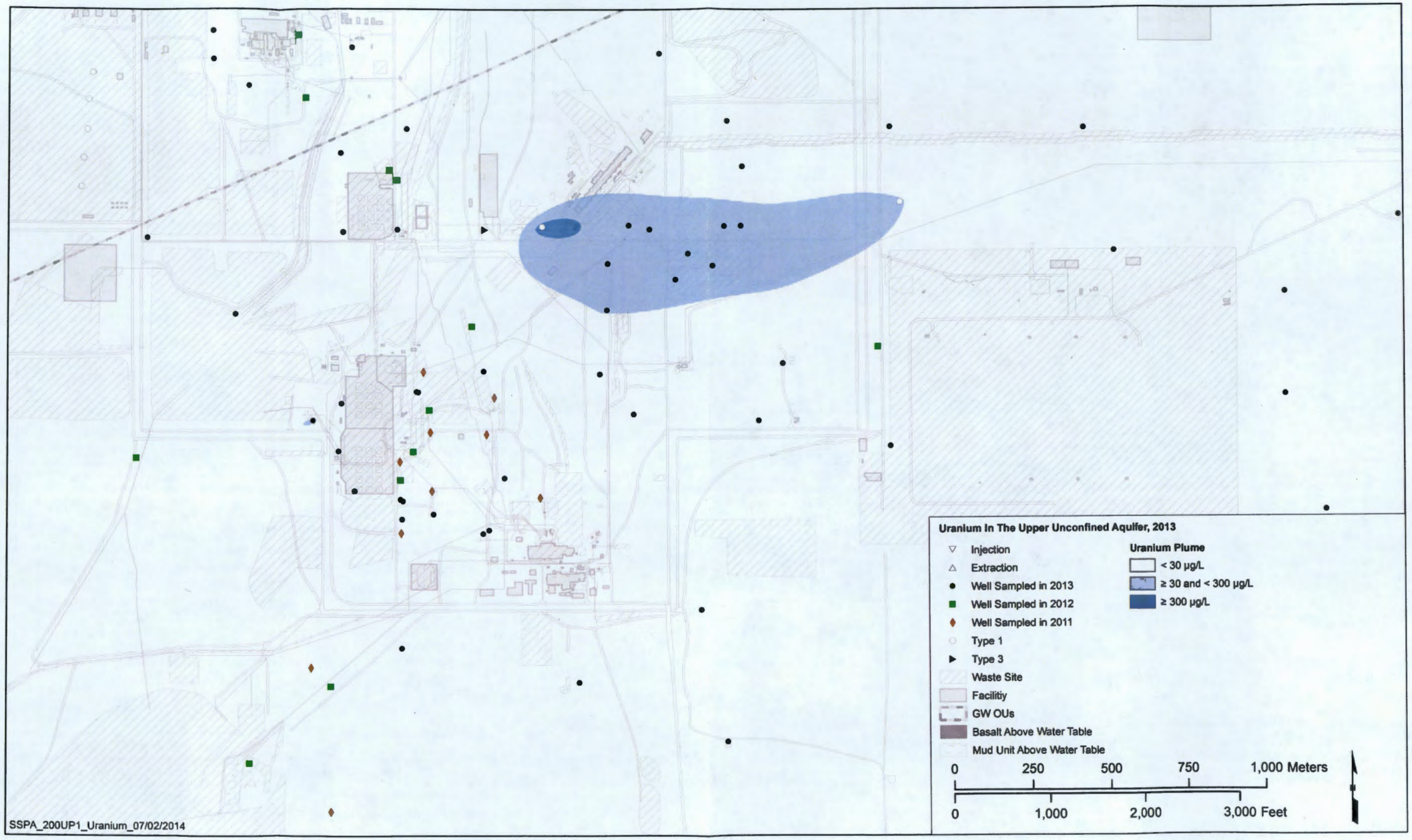

Figure C.46. Uranium in 200-UP-1

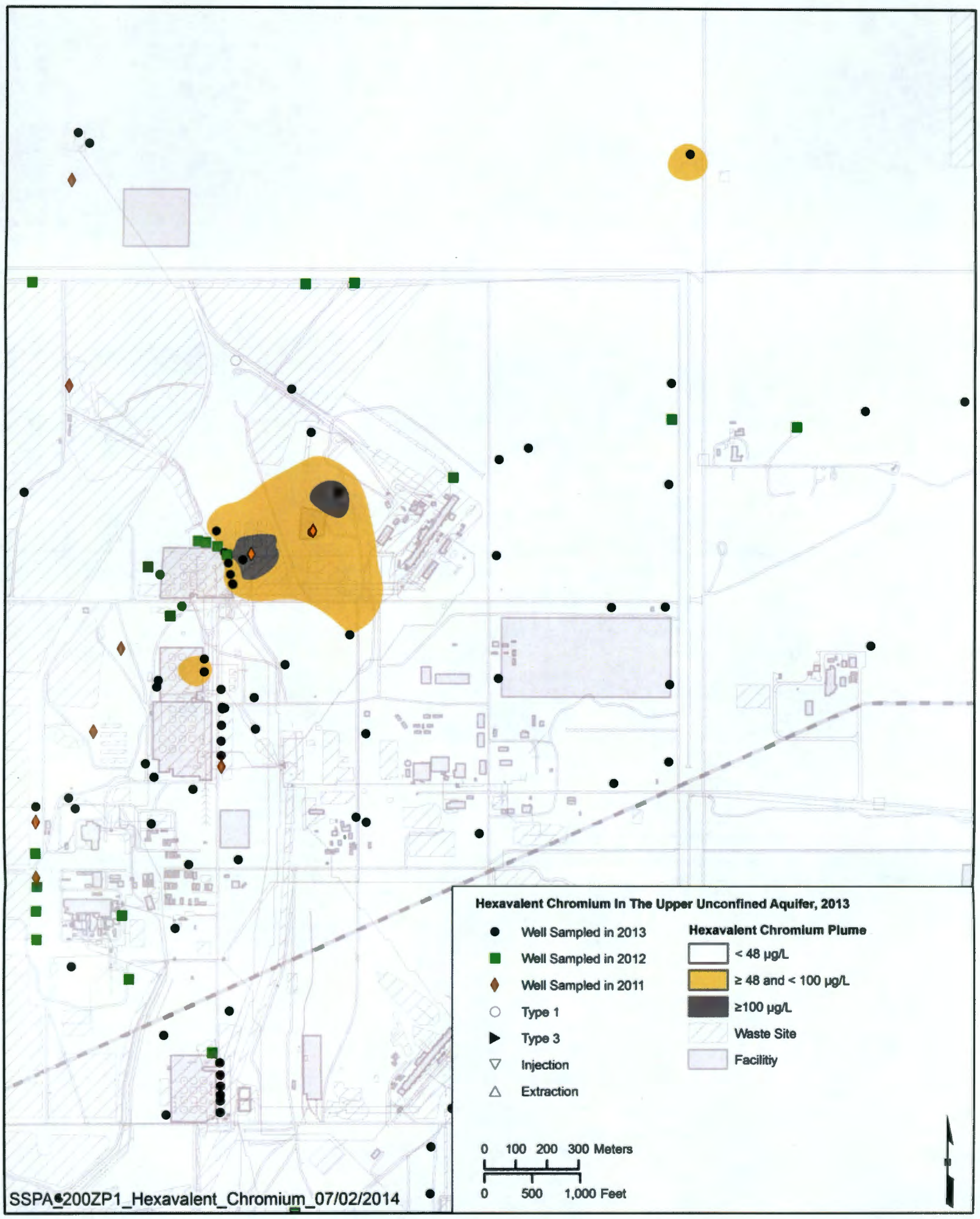

Figure C.47. Hexavalent Chromium in 200-ZP-1

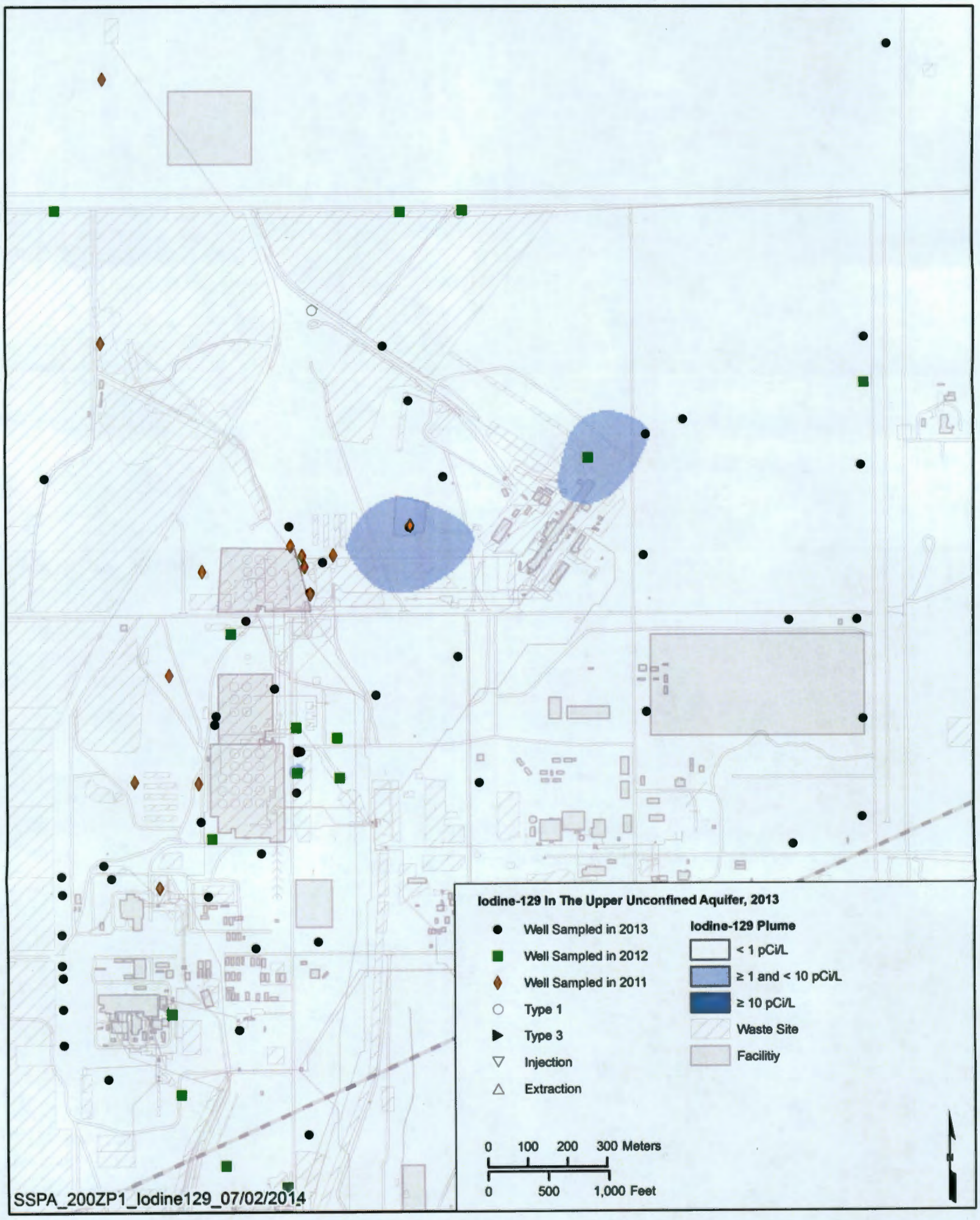

Figure C.48. Iodine-129 in 200-ZP-1

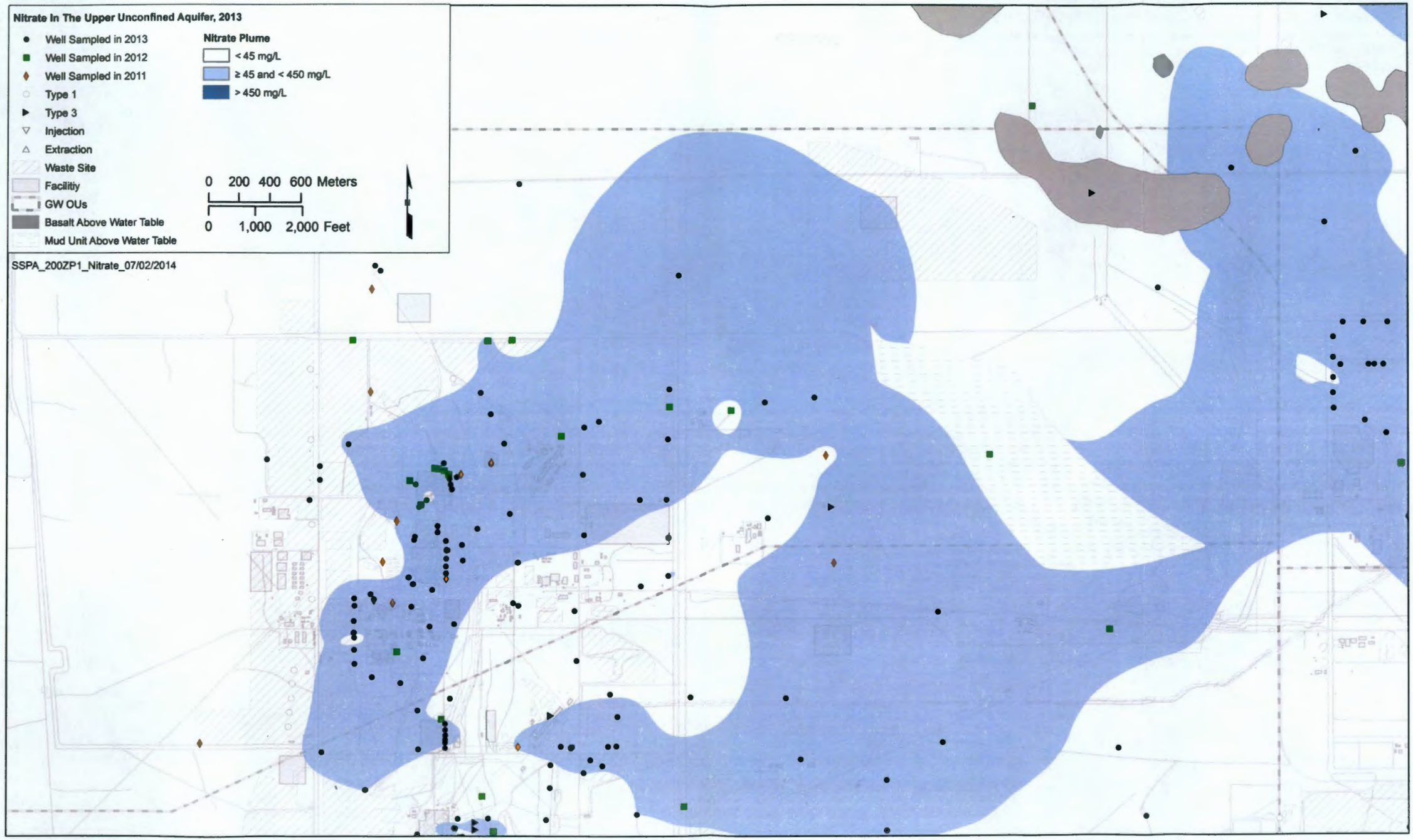

Figure C.49. Nitrate in 200-ZP-1

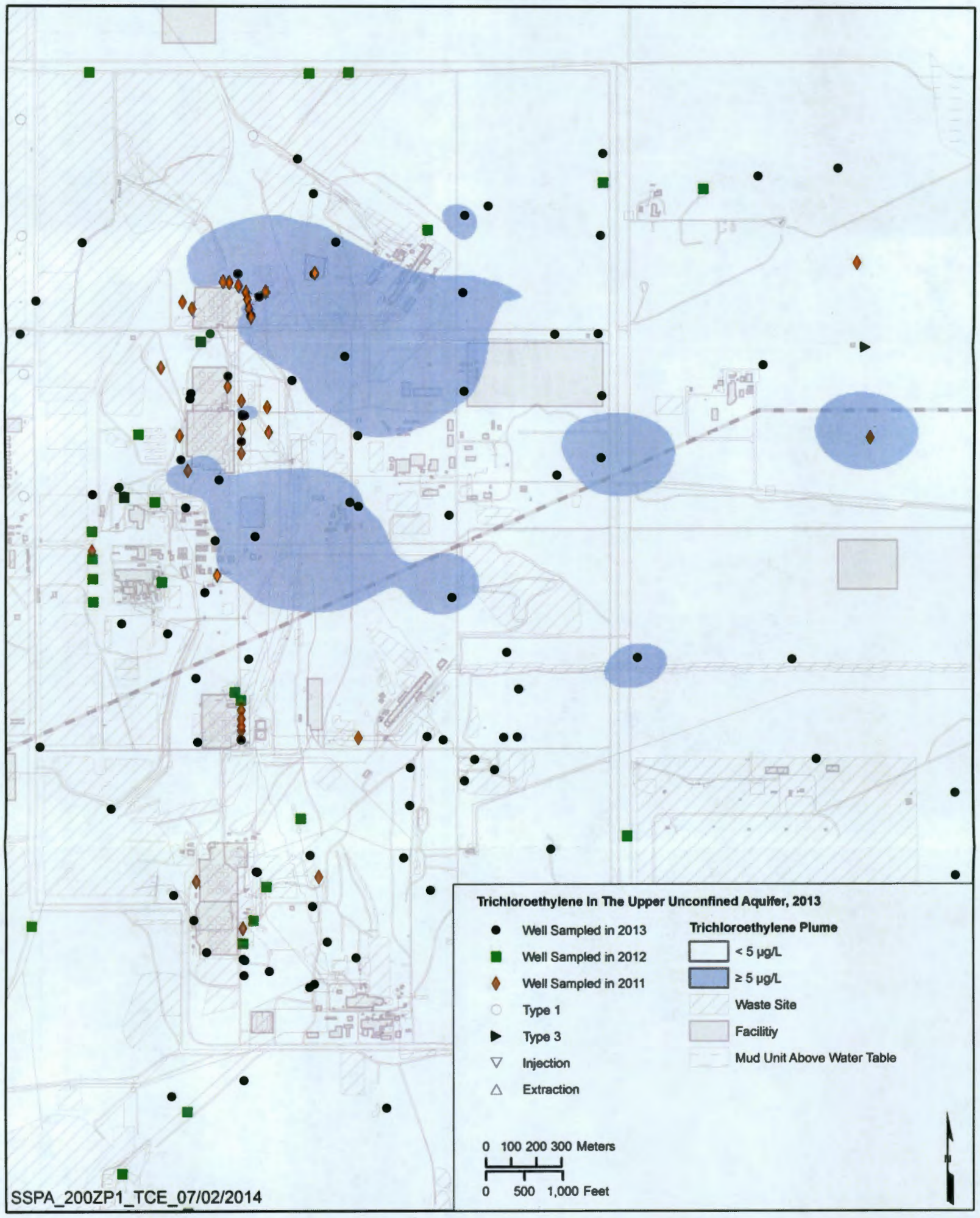

Figure C.50. TCE in 200-ZP-1

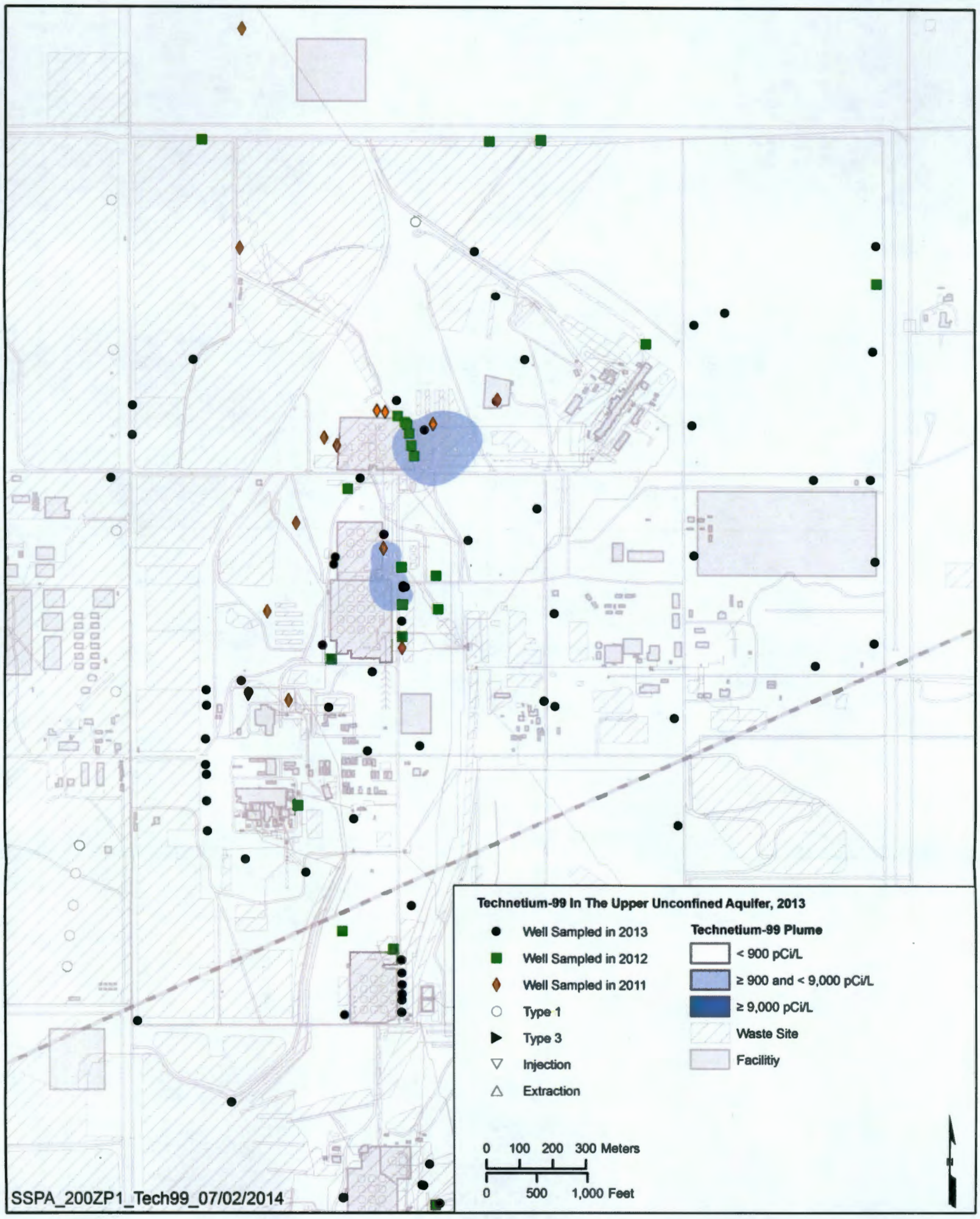

Figure C.51. Technetium-99 in 200-ZP-1

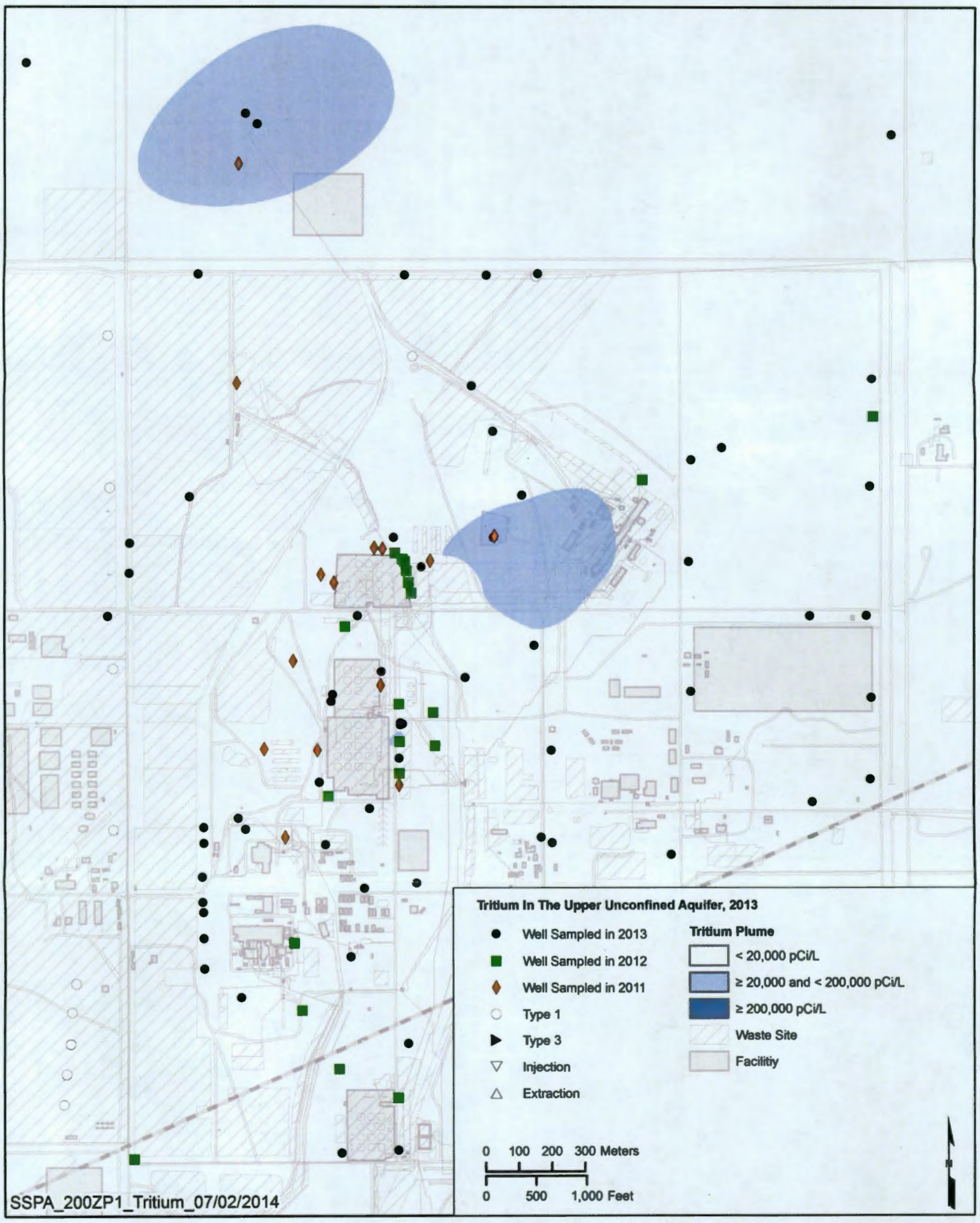

Figure C.52. Tritium in 200-ZP-1

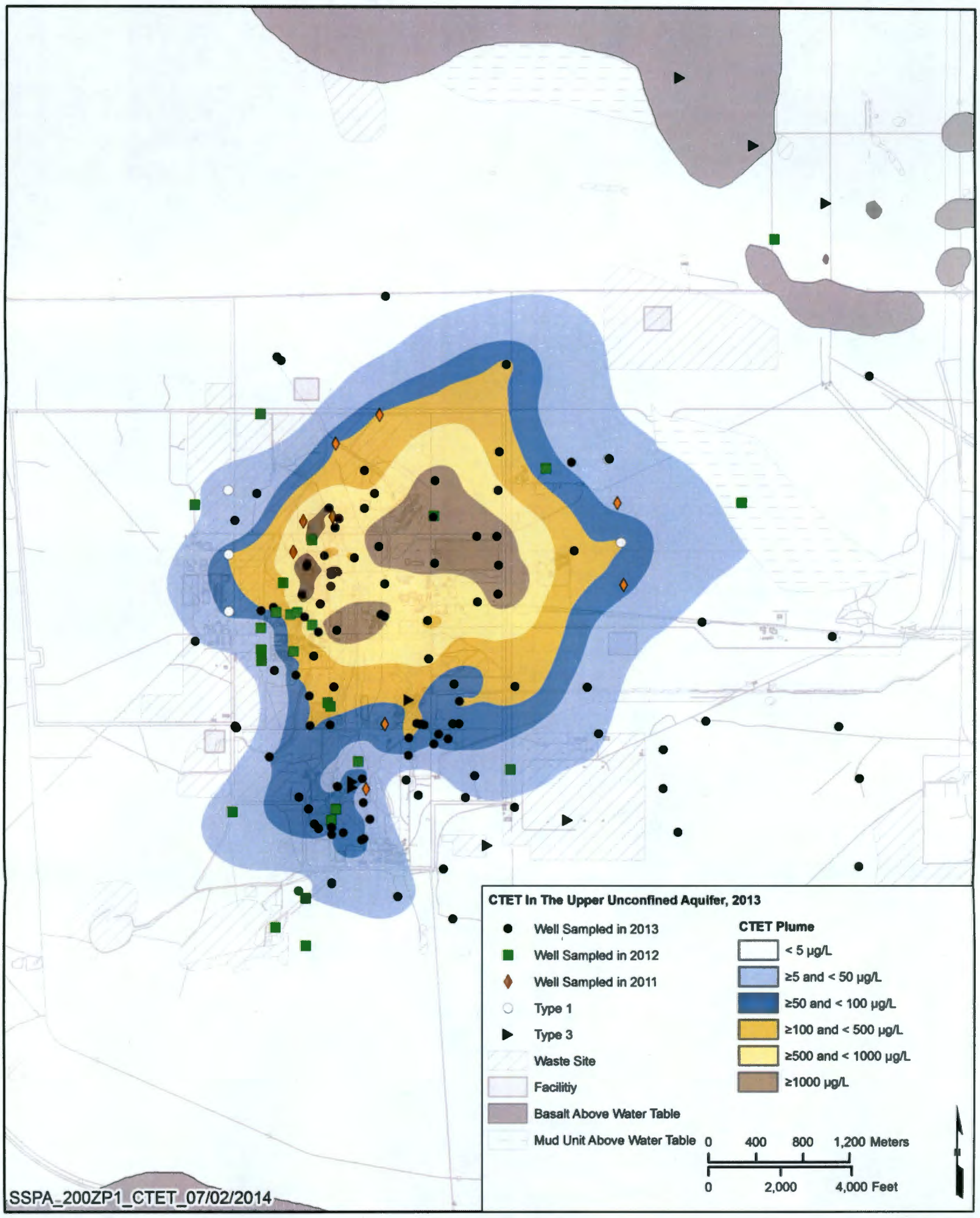

Figure C.53. Carbon Tetrachloride in 200-ZP-1

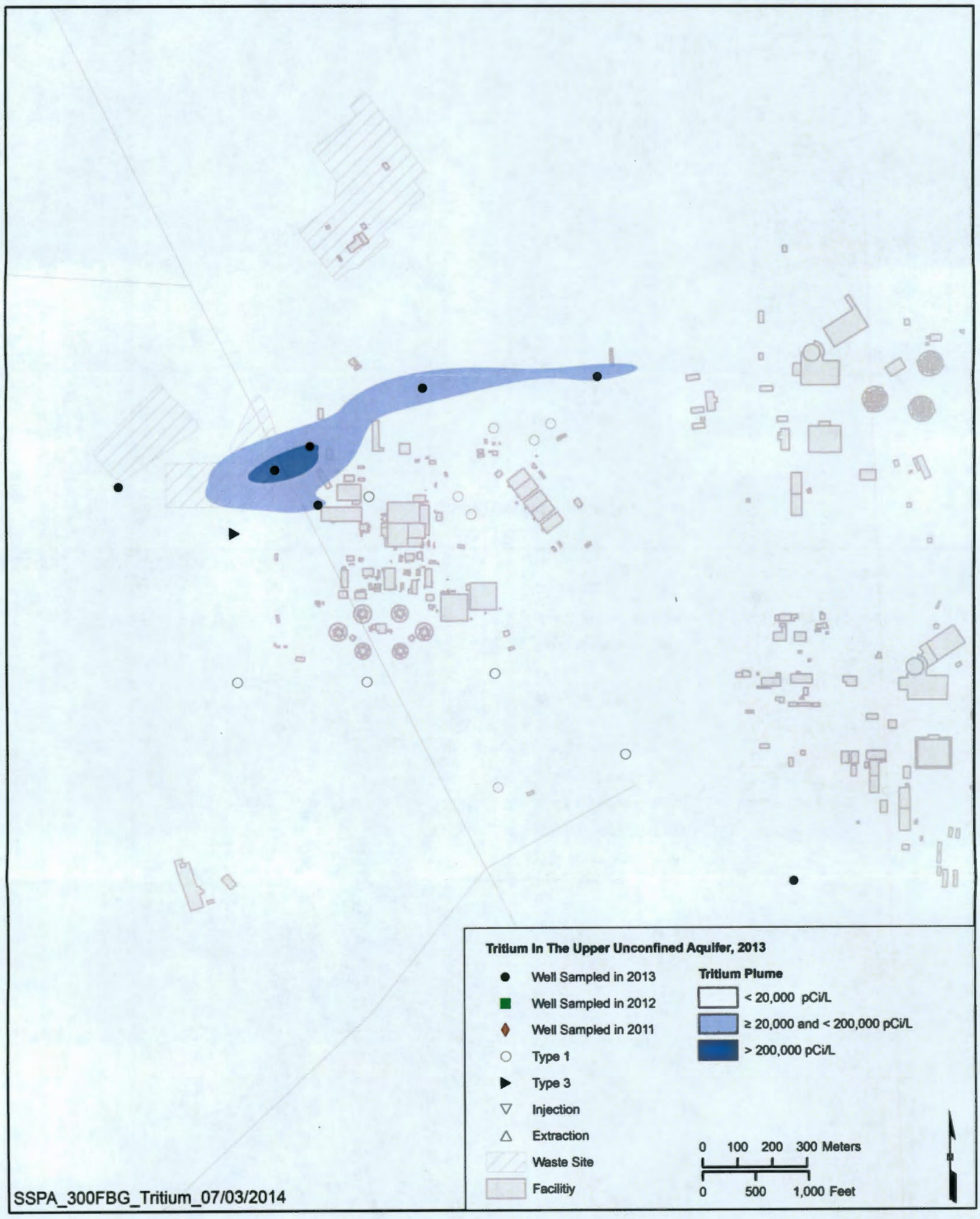

Figure C.54. Tritium in 300-FF-5 Burial Ground

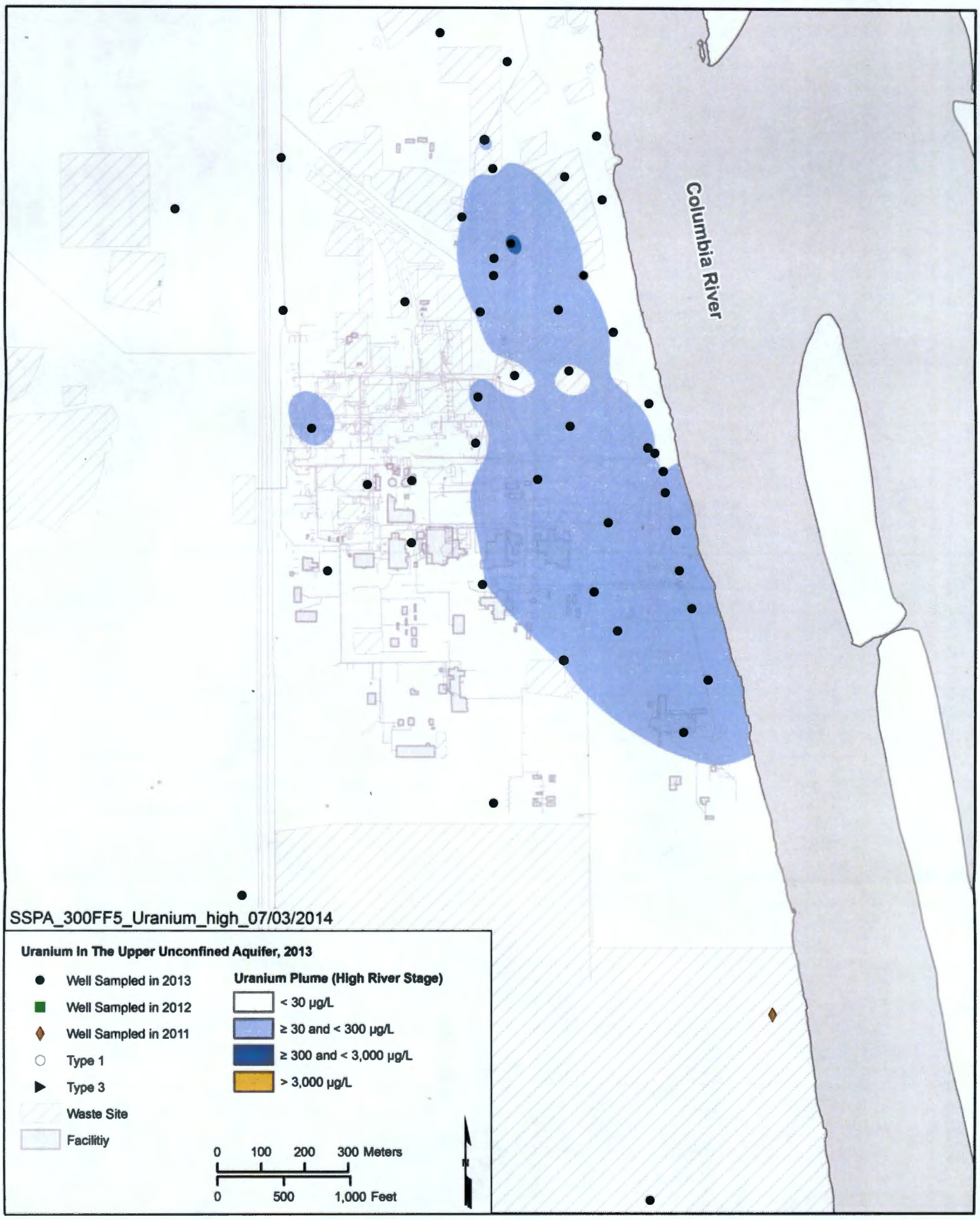

Figure C.55. Uranium in 300-FF-5 – High River Stage

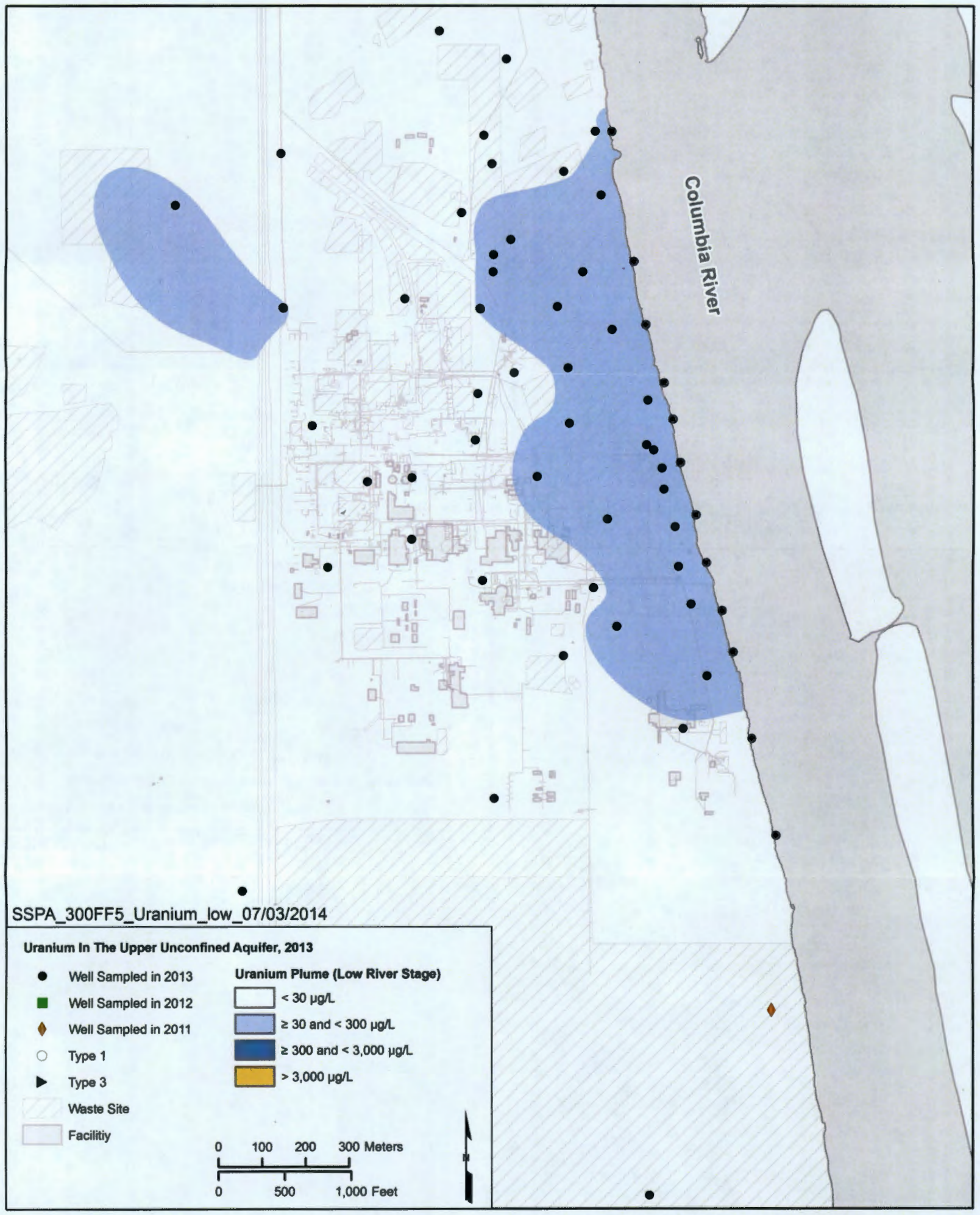

Figure C.56. Uranium in 300-FF-5 – Low River Stage

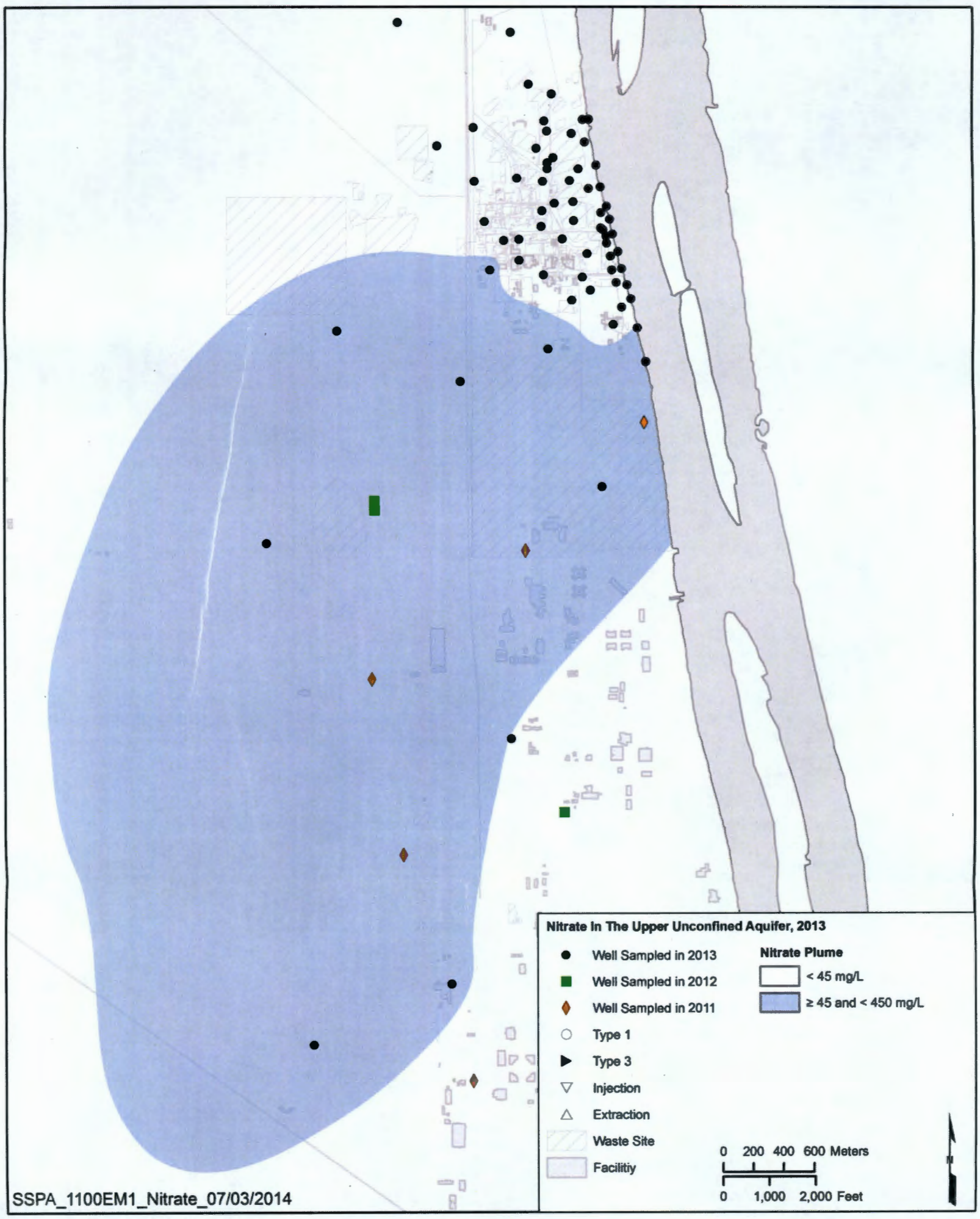

Figure C.57. Nitrate in 1100-EM-1