ECF-HANFORD-25-0108
Revision 0

Two-Dimensional Cr(VI) Groundwater Concentration Plumes for Use as Initial Conditions in the 100 Areas Groundwater Model, Version 1.0

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

Contractor for the U.S. Department of Energy
Hanford Field Office under Contract 89303320DEM000030

P.O. Box 1464
Richland, Washington 99352

Approved for Public Release;
Further Dissemination Unlimited

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Revision 0

Two-Dimensional Cr(VI) Groundwater Concentration Plumes for Use as Initial Conditions in the 100 Areas Groundwater Model, Version 1.0

Document Type: ECF Program/Project: 100 Areas Model Update

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

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By Dorcas Kosgei at 11:14 am, Feb 24, 2026

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ENVIRONMENTAL CALCULATION COVER PAGE

CPCC-PRO-EP-40205

SECTION 1 - COMPLETED PRIOR TO CALCULATION BEING PERFORMED

Calculation Number: ECF-HANFORD-25-0108 Revision Number: 0

Project: 100 Areas Model Update

Date: 10/27/2025

Calculation Title:

Two-Dimensional Cr(VI) Groundwater Concentration Plumes for Use as Initial Conditions in the 100 Areas Groundwater Model, Version 1.0

Calculation Purpose:

This environmental calculation file documents the calculations used to develop two-dimensional Cr(VI) groundwater concentration plumes as initial conditions for the 100 Areas Groundwater Model, Version 1.0.

Will this calculation utilize an environmental model or risk assessment? ☒ Yes ☐ No

If "Yes" box is checked, forward this form **and** form A-6007-637, *Environmental Model Package Report Cover Page* to the Risk and Modeling Integration Manager with Section 1 completed for both forms.

ROLE ASSIGNMENTS AND QUALIFICATIONS SUMMARY

Preparer(s):

Name: Elanor Heil

Professional License(s): N/A

Brief Narrative of Experience: Elanor Heil is a Hydrogeochemist at INTERA with over a decade of hands-on experience in applied geochemistry specializing in trace metal analysis and water-rock interactions. Her expertise encompasses developing innovative experimental techniques, identifying and interpreting trends in complex datasets using statistical methods, and parameterizing geochemical and reactive transport models. She is proficient in statistical analysis and visualization of geochemical data using R and python, as well as conducting geochemical and reactive transport modeling using various tools such as PHREEQC, The Geochemist's Workbench, PFLOTRAN, and CrunchFlow. Elanor's skill set also includes trace metal analysis, covering field collection, sample preparation, experimental design, quality assurance/quality control (QA/QC), and instrumentation. Additionally, she applies her modeling expertise to water resources management through tools like MODFLOW, PEST, and MODPATH to assess groundwater levels, gradients, and velocities.

Checker(s):

ENVIRONMENTAL CALCULATION COVER PAGE (Continued)

Name: Rakiba Sultana

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Brief Narrative of Experience: Rakiba Sultana is a Quantitative Hydrogeologist at INTERA with 7 years of experience in areas such as field-scale tracer infiltration experiments, developing conceptual and analytical groundwater models, and applying temporal moment analysis and kriging in ArcMap to evaluate contaminant mobilization during flooding events. Rakiba completed a six-month internship with the U.S. Geological Survey (Upper Midwest Water Science Center) developing open and reproducible groundwater flow and transport models in MODFLOW 6, with pre- and post-processing in Python (FloPy), along with calibration using PEST++. She is also proficient in ArcGIS, Python, pyEMU, NumPy, Pandas, Matplotlib, Surfer, PHREEQC, and GW Vistas.

Senior Reviewer(s):

Name: Joan Blainey

Professional License(s): N/A

Brief Narrative of Experience: Dr. Joan Blainey is a Principal Hydrogeologist and Vice President at INTERA with over two decades of experience developing and applying numerical models in support of water resource management and environmental restoration. Dr. Blainey applies these models in support of environmental restoration activities, licensing and permitting of radioactive and hazardous waste disposal facilities, and water resources development and management with expertise in uncertainty and risk analysis. Working on some of the largest and most complex projects involving the cleanup of legacy contamination resulting from the production of plutonium and testing of nuclear weapons, she uses groundwater flow and solute transport models to help determine the nature and extent of subsurface contamination and evaluate remedial alternatives. Her modeling expertise is also applied to water resources management, where she uses these tools to evaluate the impacts of future groundwater pumping, estimate water availability at both regional and local scales, assess impacts of variation in precipiation, and quantify recharge and runoff potential in arid and semi-arid basins. In completing this work, she brings expertise with a wide variety of groundwater flow and transport codes, geostatistical and mathematical software, programming languages including Python, optimization codes, and geographic information system (GIS) software. She brings experience as a project manager leading teams of hydrogeologists and engineers to deliver scientifically-sound products for Hanford groundwater monitoring and reporting programs.

Responsible Manager:

Randal Fox	RANDAL FOX (Affiliate) Digitally signed by RANDAL FOX (Affiliate) Date: 2025.10.27 11:52:06 -07'00'
Print First and Last Name	*Signature / Date*

SECTIONS 2 - REVISION HISTORY

Revision No.	Description	Date
0	Initial Issue	

ENVIRONMENTAL CALCULATION COVER PAGE (Continued)

SECTION 3 - DOCUMENT REVIEW AND APPROVAL

Preparer(s):

Print First and Last Name	Position	Signature	Date
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Checker(s):

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ENVIRONMENTAL MODEL/RISK ASSESSMENT COVER PAGE

CPCC-PRO-EP-40253

This cover page is to be appended to Form A-6005-812, *Environmental Calculation Cover Page*, for all environmental calculations that document use of an environmental model or risk assessment.

SECTION 1 - Completed PRIOR to calculation being performed.

When this section is completed, forward to Risk and Modeling Integration Manager along with initiated Form A-6005-812, *Environmental Calculation Cover Page*.

Calculation Number: ECF-HANFORD-25-0108	Revision Number: 0

Preparer(s):

Elanor Heil

Checker(s):

Rakiba Sultana

Senior Reviewer(s):

NOTE: Risk & Modeling Integration Manager must approve the Senior Review before calculation is performed.

Joan Blainey

List all controlled use software graded Level D or higher and platforms to be used in this calculation:

HISI Number	Software Name	Platform
1583	ArcGIS Pro	WF51698
3500	QUANTILE	INTERA-01187

SECTION 2 - Completed by the Risk & Modeling Integration Manager *(or Training Coordinator Designee)* PRIOR to calculation being performed.

Required training *(CPCC-00172 Appendix E)* for modelers completed for Preparer(s), Checker(s), and Senior Review(s):

Risk & Modeling Integration Manager or Designee Training Coordinator:

Taylor Rhoton — *Print First and Last Name*

Taylor Rhoton — Digitally signed by Taylor Rhoton Date: 2025.10.28 13:00:42 -07'00' — *Signature / Date*

SECTION 3 - Completed by the Risk & Modeling Integration Manager *(or Integration Lead Designee)* PRIOR to calculation being performed.

Software Checkout and Installation for controlled use software listed in Section 1 confirmed.

Risk & Modeling Integration Manager or Designee Integration Lead:

Chris Farrow — *Print First and Last Name*

CHRISTOPHER FARROW (Affiliate) — Digitally signed by CHRISTOPHER FARROW (Affiliate) Date: 2025.11.04 10:24:11 -06'00' — *Signature / Date*

(Return form to Responsible Manager)

SECTION 4 - Completed by the Risk & Modeling Integration Manager *(or Integration Lead Designee)* AFTER calculation is performed.

Application of controlled use software utilized in environmental calculation file is compliant.

List any changes in controlled use software listed in Section 1 for the completed calculation:

None.

Risk & Modeling Integration Manager or Designee Integration Lead:

Chris Farrow — *Print First and Last Name*

CHRISTOPHER FARROW (Affiliate) — Digitally signed by CHRISTOPHER FARROW (Affiliate) Date: 2026.02.10 13:11:56 -06'00' — *Signature / Date*

ENVIRONMENTAL MODEL/RISK ASSESSMENT COVER PAGE (Continued)

SECTION 5 - Completed by the Risk & Modeling Integration Manager AFTER Environmental Calculation using an environmental model or risk assessment is completed.

Environmental calculation using environmental model or risk assessment conforms with requirements of CPCC-PRO-EP-40253.

Risk & Modeling Integration Manager:

Will Nichols	WILLIAM NICHOLS (Affiliate) Digitally signed by WILLIAM NICHOLS (Affiliate) Date: 2026.02.10 11:39:46 -08'00'
Print First and Last Name	*Signature / Date*

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Terms

100AGWM	100 Area Groundwater Model
ASCII	American Standard Code for Information Interchange
CERCLA	*Comprehensive Environmental Response, Compensation, and Liability Act of 1980*
COC	contaminant of concern
CPCCo	Central Plateau Cleanup Company
CUL	cleanup level
ECF	environmental calculation file
EDA	Environmental Dashboard Application
EPA	U.S. Environmental Protection Agency
GFM	geoframework model
EMMA	Environmental Model Management Archive
GWIA	groundwater interest area
HEIS	Hanford Environmental Information System
HMIS	Hanford Mission Integrated Solutions
HISI	Hanford Information Systems Inventory
IRIS	Integrated Risk Information System
MIK	multiple indicator kriging
NAD83	*North American Datum of 1983*
OU	operable unit
P&T	pump and treat
PQL	Practical Quantitation Limit
ROD	Record of Decision
RPO	Remedial Process Optimization
RUM	Ringold Formation Wooded Island member upper mud unit
Rwic (RUM-2)	Ringold Formation Wooded Island member unit C (Ringold Formation – 1st water-bearing Intra-RUM unit)
Rwie	Ringold Formation Wooded Island member unit E
WAC	*Washington Administrative Code*

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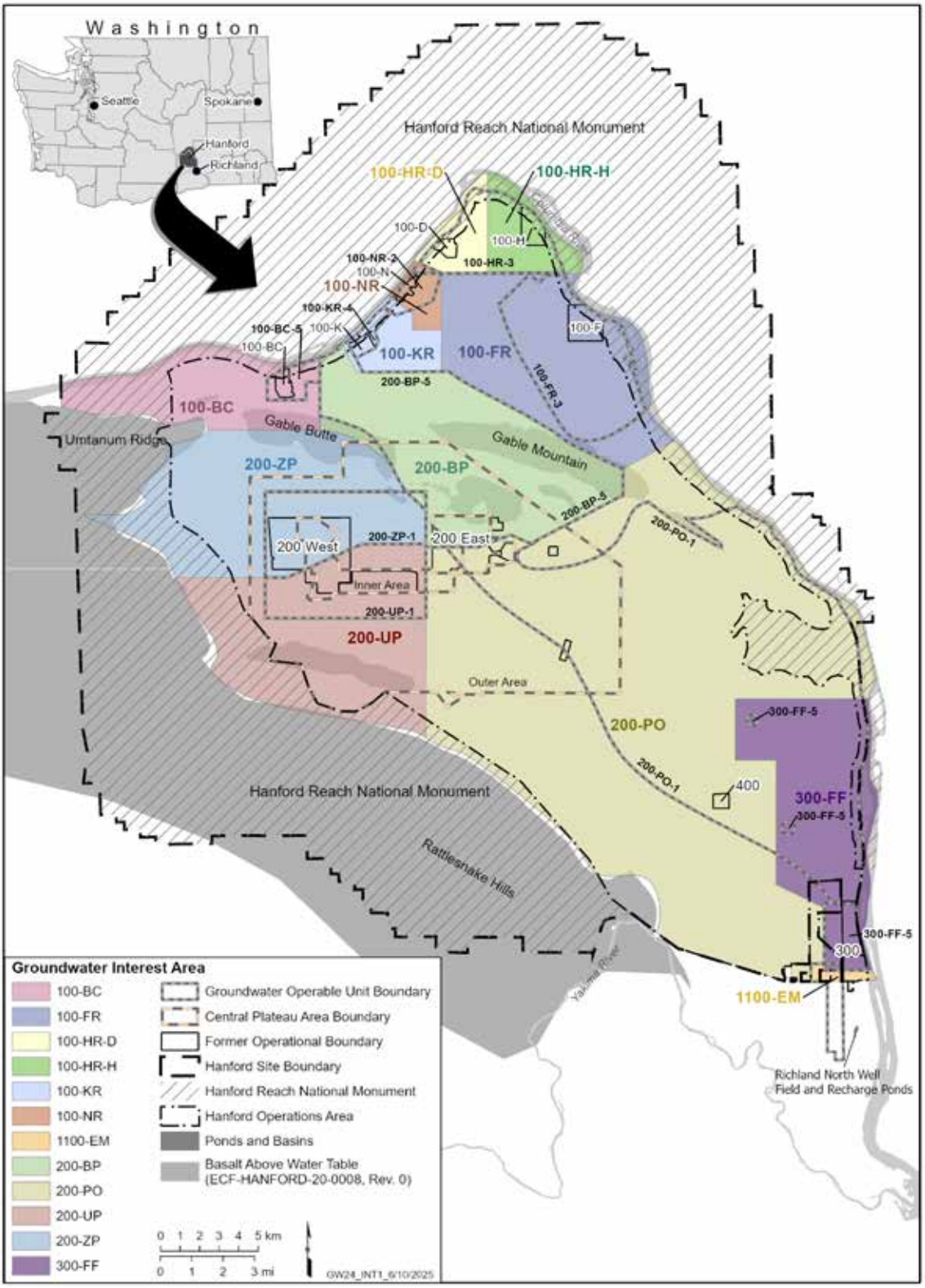
1 Purpose

This environmental calculation file (ECF) describes the methodology, input data, and calculations used to delineate groundwater hexavalent chromium plumes and the corresponding concentration distributions for the 100 Area groundwater interest areas (GWIAs), including 100-BC, 100-KR, 100-NR, 100-HR-D, 100-HR-H, and 100-FR (Figure 1-1). These delineated plumes serve as initial conditions for transport simulations conducted using the 100 Area Model Version 1.0 (CP-72657, *Model Package Report: 100 Area Groundwater Model Version 1.0*).

Plume maps illustrate the spatial extent of groundwater contamination above selected concentration thresholds and are developed by interpolating sample data and supplemental data points based on site-specific data and prior information. For modeling purposes, hexavalent chromium plumes are mapped using concentration thresholds lower than the applicable cleanup levels (CULs) to better characterize the spatial distribution of contamination. The plume-mapping method is consistent with the groundwater remediation goals and annual plume-mapping methodology described in ECF-HANFORD-25-0022, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2024 Hanford Site Groundwater Monitoring Report*. CULs for hexavalent chromium are established under the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) and include 48 µg/L for inland groundwater and 10 µg/L where groundwater discharges to surface water, based on applicable Washington State water quality regulations.

In August 2024, the U.S. Environmental Protection Agency (EPA) finalized a comprehensive update to the Integrated Risk Information System (IRIS) Toxicological Review of hexavalent chromium (EPA, 2024, *IRIS Toxicological Review of Hexavalent Chromium (Cr(VI). Integrated Risk Information System (Final Report)*). Although the updated IRIS review does not establish regulatory CULs, the updated toxicity values and cancer hazard information provide key scientific inputs used to derive risk-based screening and cleanup criteria under CERCLA. Mapping at concentration thresholds below CULs (e.g., 2.5 µg/L) provides additional resolution of contaminant distributions for developing initial concentration distributions for groundwater modeling, supports evaluation of potential future risk considering evolving toxicity information, and avoids truncation of plume boundaries at regulatory thresholds. The lowest selected threshold is near background concentrations for total chromium in Hanford Site groundwater (2.4 µg/L, 90th percentile; DOE/RL-2020-60, *Hanford Site Groundwater Monitoring Report for 2020*, citing DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*) and was chosen to provide additional resolution of concentration less than 10 µg/L. Mapping to 2.5 µg/L also supports evaluation of potential future risk based on recent updates to hexavalent chromium toxicity values (EPA, 2024) and allows plume boundaries used in modeling to extend below regulatory thresholds. Contamination may be present beyond the mapped plume extents at concentrations below the lower threshold.

The resulting interpolated hexavalent chromium concentration distributions will be used in the 100 Area Model Version 1.0 to evaluate groundwater flow and contaminant transport, assess plume migration, support system performance evaluations where active remedies are in place, and inform remedial process optimization (RPO) under the applicable Record of Decision (ROD), including interim RODs.



Reference: DOE/HFO-2024-41, *Hanford Site Groundwater Monitoring Report for 2024*.

Figure 1-1. Groundwater Interest Area and Operable Unit Boundaries

2 Background

The 100 Area groundwater operable units (OUs) are located along the Columbia River in the northern portion of the Hanford Site in southeastern Washington State. These OUs include 100-BC-5, 100-FR-3, 100-HR-3, 100-KR-4, and 100-NR-2. They encompass the operating areas of the nine former plutonium production reactors (B, C, D, DR, F, H, KE, KW, and N Reactors), which were constructed between 1943 and 1963. Hexavalent chromium is a contaminant of concern (COC) for all the OUs, and total chromium is a COC in the 100-HR-3 OU. Dissolved chromium present in Hanford Site groundwater is predominantly in the hexavalent form, which is the more mobile and toxic species (WHC-SD-EN-TI-302, *Speciation and Transport Characteristics of Chromium in the 100D/H Areas of the Hanford Site*; DOE/RL-2008-01, *Hanford Site Groundwater Monitoring for Fiscal Year 2007*). Hexavalent chromium in groundwater originates from sodium dichromate, which was used as a corrosion inhibitor in reactor cooling systems. Leaks and spills during operations released sodium dichromate to the subsurface, where it dissociates to form hexavalent chromium, the mobile and toxic form.

Groundwater in the 100 Area occurs in the unconfined aquifer, consisting of the Hanford formation and the sands and gravels of the Ringold Formation Wooded Island member unit E (Rwie) with its base defined by the Ringold Formation upper mud unit (RUM) aquitard (CP-64995, *Geoframework Model of the Hanford Site 100 Area*, Rev. 1). The first water-bearing unit below the RUM aquitard is the Ringold Formation Wooded Island member unit C (Ringold Formation – 1st water-bearing Intra-RUM unit) (Rwic (RUM-2)) aquifer, which is confined or semiconfined across the region between the 100-D and 100-H Areas, an area commonly referred to as the “Horn.” Conceptually, the Rwic (RUM-2) aquifer extends beneath the river and may or may not intersect the river bottom (CP-65222, *Site-Specific Geoframework Model of the 100-HR-3 Intra-RUM Semi-Confined Aquifer System*). The semiconfined aquifer in the Rwic (RUM-2) has been shown to be in hydraulic communication with the Columbia River (DOE/RL-2021-52, *Calendar Year 2021 Annual Summary Report for the 100-HR-3 and 100-KR-4 Pump and Treat Operations, and 100-NR-2 Groundwater Remediation*).

In the 100-H Area, hexavalent chromium-contaminated groundwater moved from the overlying unconfined aquifer through the RUM aquitard and into the Rwic (RUM-2) aquifer under a strong downward hydraulic gradient. High hydraulic head occurring during reactor operations, including the 1967 infiltration test (Sections 3.7.1 and 4.9.8.3 in DOE/RL-2010-95, *Remedial Investigation/Feasibility Study for the 100-DR-1, 100-DR-2, 100-HR-1, 100-HR-2, and 100-HR-3 Operable Units*), resulted in a downward hydraulic gradient into the Rwic (RUM-2) aquifer. In the 100-H Area, the RUM aquitard is a zone of silt and clay separating the unconfined aquifer from the leaky semiconfined Rwic (RUM-2) aquifer (DOE/RL-2010-95).

Five pump-and-treat (P&T) systems along the Columbia River in the 100 Area (DX, HX, KR4, KW, and KX) remove and treat hexavalent chromium. Other contaminants are not actively treated by the P&T systems (DOE/HFO-2024-41, *Hanford Site Groundwater Monitoring Report for 2024*). Groundwater hexavalent chromium concentrations are compared to the CUL or drinking water standard (Table 2-1). A summary of the current status of each OU, the governing RODs or interim action RODs, and current groundwater remediation is listed in Table 2-1 for informational purposes.

A groundwater flow and contaminant transport model has been developed to support evaluations of the migration and fate of hexavalent chromium in the 100 Area OUs, support the design and assessment of interim and final groundwater P&T remedies, and guide actions to protect the Columbia River from hexavalent chromium discharging to surface water. The previous version of the groundwater model, named the 100 Area Groundwater Model (100AGWM) (SGW-46279, *Conceptual Framework and Numerical Implementation of 100 Area Groundwater Flow and Transport Model*), was developed in 2014 and used annually through 2024 for Columbia River protection assessments without incorporating updates such as the updated 100 Area geoframework model (GFM) (CP-64995, Rev. 2, *Geoframework Model of the Hanford Site 100 Area*), new observation data, or subsequent model recalibration. In 2025, the 100 Area Model Version 1.0 (CP-72657) was introduced, incorporating the updated GFM and aquifer-test and water-level data from 2014 to 2024. It also includes the transition to the MODFLOW 6 flow

simulator (Hughes et al., 2017, *Documentation for the MODFLOW 6 Framework, U.S. Geological Survey Techniques and Methods*) and applies PESTPP-IES (White, 2018, "*A model-independent iterative ensemble smoother for efficient history-matching and uncertainty quantification in very high dimensions*") for model calibration and uncertainty analysis.

To complete a predictive (forward-in-time) simulation of hexavalent chromium currently present in groundwater, a representation of the existing extent of contamination is required. This representation is referred to as the contaminant-transport "initial condition," or the "initial plume." The initial plume depicts the spatial distribution of hexavalent chromium concentrations and is typically developed using measured concentration data collected from monitoring locations.

Since 2011, a consistent and systematic approach has been used at the Hanford Site to estimate the spatial extent of groundwater contamination through the development of plume maps (DOE/RL-2011-118, *Hanford Site Groundwater Monitoring for 2011).* The initial condition plume represents the starting concentrations of hexavalent chromium within the 100 Area Model Version 1.0 domain and does not depict the full extent of contamination beyond the model boundaries. A plume map is a visual representation of groundwater contamination that illustrates the general extent and distribution of contaminants within an aquifer based on available monitoring data. Plume maps are developed within GWIAs, which are informally defined geographic regions of the Hanford Site that include groundwater OUs and the intervening regions (Figure 1-1), providing a consistent spatial framework for depicting contamination across and between individual OUs. For the 100 Area, plume mapping produces gridded concentration fields that provide a defensible representation of hexavalent chromium distributions and are used as initial conditions for predictive groundwater transport simulations. For the 100AGWM, initial 2014 hexavalent chromium distributions were created following the procedures used annually for the Hanford Site Groundwater Monitoring Report (DOE/RL-2015-07, *Hanford Site Groundwater Monitoring for 2014*), with plume delineated to the 10 µg/L standard.

For this ECF, the mapping follows the current annual plume mapping methodology documented in ECF-HANFORD-25-0022 but the lower concentration threshold extends below 10 µg/L down to 2.5 µg/L. This lower threshold is near background concentrations for total chromium in Hanford Site groundwater (2.4 µg/L, 90th percentile; DOE/RL-2020-60, citing DOE/RL-96-61, and was selected to provide additional resolution of concentration less than 10 µg/L to support evaluation of potential future risk given recent EPA updates to hexavalent chromium toxicity values. Inclusion of low-level concentrations (including hexavalent chromium and, where necessary, filtered total chromium) supports development of initial concentration distributions for groundwater modeling, model calibration, interpretation of plume migration, and estimation of total hexavalent chromium mass for P&T performance evaluation.

It is important to note that concentrations at or below 5 µg/L fall at or below the Practical Quantitation Limit (PQL) for most laboratory methods used for hexavalent chromium (EPA Method 7196, PQL of 5 µg/L) and filtered total chromium (EPA Method 6820, PQL of 10 µg/L). As such, concentrations between 2.5 and 5 µg/L are considered estimated values and may be associated with higher analytical uncertainty or nondetects. Isoconcentration contours at 2.5 µg/L should be interpreted with caution, as they are based on sparse data and may reflect analytical noise rather than representative plume extents. Use of this lower threshold is intended solely to provide additional context for plume extent in areas where concentration less than 10 µg/L may still be relevant for modeling and remedial evaluation.

Although both total chromium and hexavalent chromium are COCs within some 100 Area OUs, this ECF focuses on hexavalent chromium because it is the mobile and toxic form used in groundwater transport modeling. Filtered total chromium data are incorporated only where needed to support delineation of the hexavalent chromium plume. Because the model requires initial conditions for a year with adequate well coverage and enough time separation from the end of the simulation period to support model calibration, the plumes were developed using hexavalent chromium measurements collected in 2015. Initial plume distributions were generated for both the unconfined aquifer and the Rwic (RUM-2) aquifer.

Table 2-1. Summary of CERCLA Groundwater Regulatory Status for Hexavalent Chromium for Selected Operable Units

OU (GWIA)	CERCLA Decision Status	Administrative Record Link to ROD or Interim ROD	Administrative Record Link to Current Implementing Work Plan	Hexavalent[a] or Total Chromium Cleanup Level or Drinking Water Standard[b]	Current GW Remediation
100-BC-5 (100-BC)	ROD signed in 2021	DOE, 2021a, *Record of Decision Hanford 100 Area Superfund Site 100-BC-1, 100-BC-2, and 100-BC-5 Operable Units:* https://pdw.hanford.gov/document/AR-16727.	DOE/RL-2021-44, *Remedial Design/Remedial Action Work Plan for the 100-BC-1, 100-BC-2, and 100-BC-5 Operable Units*: https://pdw.hanford.gov/document/AR-29309.	Hexavalent chromium: 10 µg/L	MNA; ICs
100-KR-4 (100-KR)	Interim action ROD signed in 1996	EPA/ROD/R10-96/134, *Record of Decision for the USDOE Hanford 100 Area 100-HR-3 and 100-KR-4 Operable Units, Hanford Site, Benton County, Washington*: https://pdw.hanford.gov/document/D196097243. DOE, 2021b, *Explanation of Significant Differences for the 100-KR-4 Operable Unit Interim Action Record of Decision, Hanford Site, Benton County, Washington*: https://pdw.hanford.gov/document/AR-16729.	DOE/RL-2013-33, *Remedial Design/Remedial Action Work Plan for the 100-KR-4 Groundwater Operable Unit Interim Action*: https://pdw.hanford.gov/document/0073409H.	Hexavalent chromium: 20 µg/L[c] Total chromium: 100 µg/L	Interim action P&T for hexavalent chromium; soil flushing; ICs
100-NR-2 (100-NR)	Amended interim action ROD signed in 2010	EPA, 2010, *U.S. Department of Energy 100-NR-1 and NR-2 Operable Units Hanford Site 100 Area Benton County, Washington Amended Record of Decision, Decision Summary and Responsiveness Summary*: https://pdw.hanford.gov/document/0084198.	DOE/RL-2001-27, *Remedial Design/Remedial Action Work Plan for the 100-NR-2 Operable Unit*: https://pdw.hanford.gov/document/0075571H.	Hexavalent chromium: • 10 µg/L (where GW discharges to SW)[d] • 48 µg/L (upland GW) [d]	ICs
100-HR-3 (100-HR-D, 100-HR-H)	ROD signed in 2018	EPA, Ecology, and DOE, 2018, *Record of Decision Hanford 100 Area Superfund Site 100-DR-1, 100-DR-2, 100-HR-1, 100-HR-2, and 100-HR-3 Operable Units:* https://pdw.hanford.gov/document/0065047H.	DOE, 2019, DOE/RL-2017-13, *Remedial Design/Remedial Action Work Plan for the 100-DR-1, 100-DR-2, 100-HR-1, 100-HR-2, and 100-HR-3 Operable Units*: https://pdw.hanford.gov/document/0063897H.	Hexavalent chromium: • 10 µg/L (where GW discharges to SW)[d] • 48 µg/L (upland GW) [d] Total chromium[b]: • 65 µg/L (where GW discharges to SW) • 100 µg/L (upland GW)	P&T for hexavalent chromium and total chromium; ICs

Table 2-1. Summary of CERCLA Groundwater Regulatory Status for Hexavalent Chromium for Selected Operable Units

OU (GWIA)	CERCLA Decision Status	Administrative Record Link to ROD or Interim ROD	Administrative Record Link to Current Implementing Work Plan	Hexavalent[a] or Total Chromium Cleanup Level or Drinking Water Standard[b]	Current GW Remediation
100-FR-3 (100-FR)	ROD signed in 2014	EPA and DOE, 2014, *Record of Decision Hanford 100 Area Superfund Site 100-FR-1, 100-FR-2, 100FR-3, 100-IU-2, and 100-IU-6 Operable Units:* https://pdw.hanford.gov/document/0083577.	DOE/RL-2014-44, *Integrated Remedial Design Report/Remedial Action Work Plan for 100-F/IU*: https://pdw.hanford.gov/document/0080174H.	Hexavalent chromium: • 10 µg/L (where GW discharges to SW)[d] • 48 µg/L (upland GW) [d]	MNA; ICs

Note: Table was modified from Table 1-1, DOE/HFO-2024-41, *Annual Groundwater Monitoring Report for Calendar Year 2024*.

a. Hexavalent Chromium is identified as a COC in the associated ROD or interim ROD (except for the 100-KR-4 and 100-NR-2 OUs).

b. Cleanup level, drinking water standard, state surface water quality standard, or Model Toxics Control Act Method A (*Washington Administrative Code* [WAC] 173-340-720, "Groundwater Cleanup Standards") or Method B (WAC 173-340-900, "Tables") value.

c. This is a target value for the P&T system as it is twice the aquatic standards.

d. The reported surface water value of 10 µg/L is the state surface water quality standard (WAC 173-201A); the upland groundwater level of 48 µg/L is a Model Toxics Control Act Method B value (WAC 173-340-720).

COC: contaminant of concern

CERCLA: *Comprehensive Environmental Response, Compensation, and Liability Act of 1980*

GW: groundwater

GWIA: groundwater interest area

IC: institutional control

MNA: monitored natural attenuation

OU: operable unit

P&T: pump and treat

ROD: Record of Decision

SW: surface water

3 Methodology

The methodology employed in this ECF for delineating groundwater hexavalent chromium plumes in the 100 Area OUs, calculated over the corresponding GWIAs (100-BC, 100-HR-D, 100-HR-H, 100-FR, 100-KR (east and north), 100-KW[1], and 100-NR) is adapted from the systematic approach outlined in ECF-HANFORD-25-0022, as described below. Calculations for the unconfined aquifer represent low river stage conditions during 2015, while calculations for the Rwic (RUM-2) aquifer represent the 2015 annual average concentrations. Supplementary information, such as control points and data and well exclusions specific to hexavalent chromium, was adopted from ECF-HANFORD-16-0061, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2015 Hanford Site Groundwater Monitoring Report*. This approach ensures flexibility, traceability, and reproducibility in data selection and plume interpolation while honoring the conceptual site model, site-specific information, and historical plume migration patterns within the 100 Area GWIAs of the Hanford Site. While the regulatory focus is on the OUs, the calculations are performed over the broader GWIAs to capture the spatial extent of hexavalent chromium contamination in both the unconfined and Rwic (RUM-2) aquifers.

Hexavalent chromium plume maps were produced for the 100 Area GWIAs to represent conditions in 2015. The underlying products generated by the interpolation process are continuous, gridded concentration estimates, which will serve as the quantitative inputs to the 100 Area Model Version 1.0. The plume maps included in this ECF are provided as visualizations of those gridded datasets.

Interpolation was performed for the unconfined aquifer across the 100 Area and for the Rwic (RUM-2) aquifer in 100-HR-D and 100-HR-H. For the unconfined aquifer, plume maps represent the low river stage period of 2015, reflecting conditions when the river is at its lowest, providing conservative estimates of plume extent and maximum potential groundwater flow toward the Columbia River. For the Rwic (RUM-2) aquifer beneath 100-HR-D and 100-HR-H, plume maps represent 2015 annual average river stage conditions, consistent with the semiconfined nature of this unit and its slower response to seasonal hydrologic fluctuations.

The dataset primarily includes hexavalent chromium groundwater samples, supplemented where appropriate with filtered total chromium groundwater samples, to provide a more representative distribution of mobile chromium in groundwater. Filtered total chromium avoids inclusion of particulate-bound chromium and provides a conservative estimate of the dissolved fraction in groundwater.

The groundwater plume maps represent estimates of hexavalent chromium concentrations down to 2.5 µg/L, which is near background concentrations for total chromium in Hanford Site groundwater (2.4 µg/L, 90th percentile; DOE/RL-2020-60, citing DOE/RL-96-61), as well as at the PQL of 5 µg/L (Hanford Environmental Information System (HEIS) field PQL) for analyses performed using EPA Method 7196A (HEIS field METHOD_NAME = “7196_COL”). The PQL for filtered total chromium measured using EPA Method 6020 is 10 µg/L and is used only to help characterize mobile chromium where hexavalent chromium samples are sparse. Mapping to 2.5 µg/L also supports evaluation of mitigating risks associated with hexavalent chromium contamination in groundwater (based on the updated 2024 hexavalent chromium toxicity values released by EPA) and ensures that plume boundaries used in modeling are not truncated at regulatory thresholds. Use of the 5 µg/L PQL and the additional 2.5 µg/L threshold allows lower concentrations to be incorporated into the interpolation dataset and resulting delineated plume extents, improving characterization of the spatial distribution of contamination, mass estimates, and potential influence on groundwater flow and future plume migration.

It is important to note that concentrations between 2.5 and 5 µg/L are considered estimated values and may be associated with higher analytical uncertainty, nondetects, or other similar laboratory qualifiers.

[1] 100-KW, also called K West, is the region around the former KW Reactor and associated waste sites and is not designated as a GWIA; it is included within the 100-KR GWIA.

Isoconcentration contours at 2.5 µg/L should be interpreted with caution, as they are based on sparse data and may reflect analytical noise rather than representative plume extents.

The plume maps are developed through interpolation of point sample data to a numerical grid utilizing two-dimensional ordinary kriging, a geostatistical technique that provides unbiased linear estimates by accounting for spatial autocorrelation and measurement variability (Chilès and Delfiner, 1999). Sample data for 2015 were used as the primary basis, supplemented with additional information from other data sources, as discussed below and tabulated in Appendix A. Kriging interpolation input files are documented in Appendix B and summarized in Chapter 6.

Because groundwater concentration data often are skewed or tailed rather than normally distributed, the sample data values are transformed using multiple indicator kriging (MIK) before using the ordinary kriging interpolation technique to produce a piecewise, continuous estimate of the extent of hexavalent chromium contamination for each 100 Area GWIA, consistent with ECF-HANFORD-25-0022 and ECF-HANFORD-16-0061. In this approach, concentrations are converted into binary indicators at selected thresholds (e.g., 2.5 µg/L, 5 µg/L, 10 µg/L, 48 µg/L, 100 µg/L), kriged as cumulative distribution functions, and then back-transformed at specified probabilities to obtain continuous estimates. The 2.5 µg/L threshold is below the PQL and near background levels, and should be interpreted with caution, as it may reflect sparse data and analytical uncertainty. This method provides robust plume delineation under conditions of skewed datasets and heterogeneous monitoring density.

The plume-mapping process comprises the following sequential steps, adapted from ECF-HANFORD-25-0022:

1. **Acquisition, overview, compilation, and reduction of data**: Data are queried from the HEIS database and supplemented as necessary.

2. **Selection of data for hexavalent chromium (or filtered total chromium) and each GWIA**: A single representative concentration per monitoring location is determined using standardized rules.

3. **Development of interpolation dataset**: General and special selection rules are applied, incorporating exclusions and control points.

4. **Transformation of data**: Based on distributional characteristics specific to hexavalent chromium (and filtered total chromium where hexavalent chromium data are not available) in each GWIA, MIK is used for all GWIAs in this ECF.

5. **Application of ordinary kriging**: Interpolation of the transformed dataset using defined variogram models is applied.

6. **Back-transformation**: Interpolated grids are converted to original concentration units.

7. **Compilation and visualization**: Overlapping interpolated grids are compiled, and visualization of interpolation results is completed (i.e., generation of contaminant plume maps).

These steps are elaborated in the subsequent subsections to provide a standalone framework for replicating the calculations.

3.1 Data Acquisition and Overview

The HEIS database was queried on January 21, 2025, for data available through December 31, 2024, as documented in ECF-HANFORD-25-0022. The HEIS database is an electronic repository for analytical data for all media collected for the Hanford Sitewide Environmental and Groundwater Monitoring Programs. The queried results from the HEIS database are hereinafter referred to as the HEIS snapshot. The HEIS snapshot includes concentrations of constituents and field parameters in groundwater sampled across the Hanford Site from monitoring wells, boreholes sampled during well drilling, extraction wells,

piezometers, and aquifer tubes. The HEIS snapshot was filtered to only include samples for hexavalent chromium and filtered total chromium for 2015. This reduced HEIS dataset is hereinafter referred to as the 2015 chromium concentration table (Table A-1).

Supplemental data were integrated as control points to enhance spatial coverage:

- Historical annual average hexavalent chromium or filtered total chromium concentrations, consistent with plume-mapping rules and the data selection criteria defined in Section 3.2 (as applied to the year of data used), were used for years other than 2015 when 2015 data were not available for the unconfined aquifer. For select monitoring locations not sampled in 2015, data were selected from the year closest to 2015, without using data collected before 2010 or after 2018
- Historical annual average data from 2020 for the Rwic (RUM-2) aquifer in 100-HR-D and 100-HR-H, incorporated to address the limited number of monitoring locations in 2015
- Supplementary data points adopted from Tables A-6 of ECF-HANFORD-16-0061 or Table A-5 of ECF-HANFORD-25-0022, ensuring consistency with prior interpretations
- Additional control points specific to this ECF were introduced in 100-BC and 100-HR-D to constrain plume boundaries

Table A-5 provides details for these additional control points.

Spatial coordinates are reported in the *North American Datum of 1983* (NAD83, 1991) State Plane, Washington South FIPS 4602 coordinate system. Aquifer zone assignments for monitoring locations were carried over from the classifications used in the calculations for ECF-HANFORD-25-0022. These classifications are based on SGW-38815, *Water-Level Monitoring Plan, or the Hanford Site Soil and Groundwater Remediation Project*, reflecting the current aquifer zones for the wells used in the calculations for the plume representing conditions in 2015.

Data compilation and reduction followed protocols in ECF-HANFORD-25-0022, utilizing the open-source statistical computing language R for management and processing into comprehensive data tables. See Section 5.3 for more information about support software.

3.1.1 Data Types

Hexavalent chromium plumes were based primarily on data collected at each monitoring location to represent conditions in 2015. For the unconfined aquifer, this corresponds to low river stage conditions (September 1, 2015, to December 31, 2015, per ECF-HANFORD-16-0061), while for the Rwic (RUM-2) aquifer beneath 100-HR-D and 100-HR-H, plume mapping used annual average concentrations to reflect the semiconfined nature of this unit and its slower response to seasonal hydrologic fluctuations. General and special data selection rules developed for hexavalent and filtered total chromium per GWIA are based on data available during this timeframe and are discussed in Section 3.2.

In cases where 2015 low river stage samples (or annual average for the Rwic (RUM-2) aquifer) were unavailable, additional data points (control points) were included to represent inferred conditions. These control points are categorized by type as follows:

- **Type 1:** Point values that are based on hexavalent chromium or filtered total chromium sample concentrations but not determined based on the general or special data selection rules described in detail in Section 3.2. Examples include hexavalent chromium treatment system effluent applied to injection wells or historical concentrations from the HEIS snapshot outside the 2015 timeframe where no 2015 data were collected.
- **Type 2:** Point values determined by geologic constraints. For example, a hexavalent chromium concentration value of zero may be included in areas where basalt above the water table is thought to provide a barrier to contaminant migration.

- **Type 3:** Point values determined based on site-specific or historical information. Examples include estimated concentrations based on knowledge of plume sources, previous remediation activities and disposal history, historical plume configuration, etc.

The control points were primarily adopted from ECF-HANFORD-16-0061, but additional Type 1 and Type 3 control points were added to bound the plume at the ≥5 µg/L PQL threshold and the newly added ≥2.5 µg/L threshold. The control points are tabulated in Table A-5. Details on the new Type 1 control points added as part of this ECF, including the contaminant type, sampling year, aggregation method used to derive the representative value, and the number of detected and nondetect measurements contributing to that value, are listed in Table A-6.

3.1.2 Data Compilation and Reduction

Monitoring data were queried from the HEIS database and are also available through the U.S. Department of Energy's Environmental Dashboard Application (EDA) at https://ehs.hanford.gov/eda/. Information on monitoring well locations and screened intervals, which are also part of HEIS, was obtained via EDA. GWIA assignments were made using keywords correlating to a specific GWIA to define the appropriate interpolation dataset for each GWIA. This information, combined with the concentration data (2015 chromium concentration table) and additional information described above, were reduced and compiled into separate files comprising a comprehensive data table of all information required for the plume-mapping process described at the beginning of this chapter. The data table is managed using the open-source statistical computing/programming language "R." Section 3.2 provides details for data compilation and reduction.

Table 3-1 lists HEIS database fields referenced in the following sections or Appendix A for the data compilation and reduction process. Database field codes are described in HNF-38155*, Hanford Environmental Information* (*HEIS): Sample, Result, Sampling Site and Well Table Data Dictionary,* and HNF-69561, *Analytical Data Qualifier Codes in the Hanford Environmental Information System (HEIS)*.

Table 3-1.HEIS Database Fields for Chemistry Data

Field	Definition
COLLECTION_PURPOSE	Primary reason for sample collection
DILUT_FACTOR	Value representing the amount the sample was diluted by to determine the amount of the analyte in the sample
FILTERED_FLAG	Whether or not the sample was filtered in the field
LAB_QUALIFIER	Laboratory data qualifier
LOAD_DATE_TIME	System date/time when the record was initially loaded or when the record was updated by a reanalysis result
MEDIA	Media where samples were collected
METHOD_NAME	Method used to analyze the sample
OWNER_ID	Identifies the Hanford Site contractor that owns the sample record and is responsible for the sample and its attributes
REVIEW_QUALIFIER	Review data qualifier, indicates the quality of the record has been questioned by the reviewer*
SAMP_DATE_TIME	Date and time the sample was collected
STD_ANAL_UNITS_RPTD	Standard analysis units reported
STD_CON_LONG_NAME	Analyte name
STD_MDA	Minimum detectable activity

Table 3-1.HEIS Database Fields for Chemistry Data

Field	Definition
STD_REPORTING_LIMIT	Reporting limit for chemical constituents
STD_VALUE_RPTD	Reported concentration or activity
VALIDATION_QUALIFIER	Assigned when analytical data validation is performed
WELL_NAME	Name of well or borehole from which a sample was collected

*Field definitions are defined in HNF-38155, *Hanford Environmental Information System (HEIS): Sample, Result, Sampling Site and Well Table Data Dictionary*, and select code translations for REVIEW_QUALIFER are as follows:

R: Do not use; further review indicates the result is not valid.
Y: Result suspect; review provided insufficient evidence to show result valid or invalid.

3.2 Data Selection Rules

The 2015 hexavalent chromium interpolation datasets were developed following the general and special data selection rules established in ECF-HANFORD-25-0022. Candidate samples were filtered based on monitoring location and data quality. Only monitoring locations within the 100 Area GWIAs were included.

Key HEIS field considerations applied in this analysis included:

- REVIEW_QUALIFIER: Samples flagged as “R” (rejected) or “Y” (suspected error) were excluded.
- FILTERED_FLAG: Only filtered total chromium samples (“Y”) were used when hexavalent chromium measurements were unavailable; unfiltered total chromium samples (N) were excluded.
- LAB_QUALIFIER: Nondetects (“U”) were replaced with the standard reporting limit (STD_REPORTING_LIMIT) or the standard value reported (STD_VALUE_RPTD) if the standard reporting limit was blank. For hexavalent chromium samples flagged as nondetects with a negative standard value reported, the standard value reported was replaced by 1 µg/L. The value of 1 µg/L was chosen as a small, nonzero concentration that is below the PQL. Using a value below the PQL provides a conservative placeholder that reflects the sample was detected at a very low concentration while maintaining consistency and validity in the calculations for this ECF. This adjustment applied to only a single measurement for well 199-K-131, collected in December 2015.
- COLLECTION_PURPOSE: Characterization samples (COLLECTION_PURPOSE = “C”) were excluded unless they represented the only available sample for a location.

Under the general data selection rules, each monitoring location is assigned a single representative concentration based on rules associated with its sample type. Depending on the GWIA mapping rules, the representative value is either the annual maximum or annual average. Routine and post-development samples (COLLECTION_PURPOSE = “R” or “PD”) are included in the calculation, while characterization samples (COLLECTION_PURPOSE = “C”) are used only when no other sample collection purpose types are available; in those cases, the representative value is the annual maximum of the characterization results. For aquifer tubes, the representative concentration is the annual average of each individual aquifer tube, and for aquifer tube groups, the location’s representative value is the maximum of the aquifer tube-specific annual averages.

Special data selection rules were applied to restrict datasets for select GWIAs and areas, including 100-HR-D, 100-HR-H, and 100-KR, which comprises 100-KE (east 100-KR), 100-KN (north 100-KR), and 100-KW (west 100-KR), the region surrounding the former KW Reactor and associated waste sites, to the 2015 low river stage period, September 1 through December 31, 2015, for the unconfined aquifer. Only samples collected within this interval were considered for these GWIAs, and monitoring locations without measurements during the low stage period were excluded unless included as control points. Additionally, select monitoring locations in the 200-BP GWIA, where 200-BP meets the Columbia River between

100-BC and 100-KR, were incorporated into the 100-KW dataset. For 100-BC, 100-FR, and 100-NR, samples collected during the low river stage were used and averaged if available; otherwise, the annual average of all 2015 samples was used. For the Rwic (RUM-2) aquifer beneath 100-HR-D and 100-HR-H, annual average concentrations were used instead of low river stage to reflect the semiconfined nature of this unit and its slower response to seasonal hydrologic fluctuations.

Consistent with ECF-HANFORD-16-0061, hexavalent chromium data from the lower portion of the unconfined aquifer in 100-BC were excluded from this analysis. Monitoring results indicate that the upper and lower portions of the unconfined aquifer at 100-BC behave as hydraulically distinct zones due to differences in hydraulic properties between the Hanford formation and the underlying Rwie (DOE/HFO-2024-41). Recent sampling from vertically paired wells completed in 2024 continued to show limited vertical communication between these zones, indicating that the hexavalent chromium in the lower portion of the aquifer is largely isolated from the upper plume and is not expected to migrate in concert with groundwater flow in the upper unconfined aquifer.

Because the 100 Area Model Version 1.0 represents the unconfined aquifer as a single layer and the lower unconfined aquifer plume is unlikely to migrate with the upper aquifer, this calculation focuses on delineating the plume within the upper portion of the unconfined aquifer in the 100-BC. The wells excluded from the upper aquifer plume mapping are listed in Table A-4.

For each GWIA, parameters are specified in the data selection parameters table. These parameters define how hexavalent chromium concentration data at each monitoring location are selected and processed. These parameters determine how individual sample measurements are combined to produce the single representative value used in the interpolation:

- CT (Concentration Type): Specifies the aggregation method for routine or post-development samples. For all monitoring locations in this analysis, CT = MEAN_VALOR_ND_SRL.
- CTAQ (Concentration Type Aquifer Tubes): Specifies the aggregation method for aquifer tube samples. For all GWIAs in this analysis, CTAQ = MEAN_VALOR_ND_SRL; when aquifer tubes belong to a group, the maximum of the aquifer tube means is used.
- CTC (Concentration Type Characterization samples): Specifies the aggregation method for characterization samples. For all GWIAs in this analysis, CTC = MAX_VALOR_ND_SRL.
- MAXAQ: Indicates whether aquifer tube group maximums are used. For all GWIAs in this analysis, the aquifer tube group maximums are used (e.g., MAXAQ = Y, where Y = yes).

Finally, Type 1, Type 2, and Type 3 control points were appended following the procedures in ECF-HANFORD-25-0022. The resulting dataset reflects all available low river stage hexavalent chromium data for 2015 in the unconfined aquifer and annual average data for the Rwic (RUM-2) aquifer, incorporating the relevant HEIS fields and aggregation parameters to ensure technical consistency and reproducibility.

3.3 Development of the Interpolation Input Datasets

The 2015 chromium concentration table (described in Section 3.1), with records from Table A-2 and unfiltered total chromium samples excluded, was imported into an R workspace and saved as a data table in an R data file. All subsequent data processing was performed automatically in the R workspace using the systematic selection/aggregation process described in Section 3.2.

First, concentration data from the 2015 chromium concentration table were combined with the control points described earlier to develop a master table, including all hexavalent chromium concentration samples taken at any monitoring location during 2015. Samples with the “R” qualifier in the HEIS database REVIEW_QUALIFIER field were excluded from the concentration data table before further processing. Samples that were considered unrepresentative of the site groundwater conditions as part of the calculations documented in ECF-HANFORD-16-0061 were also excluded. After the appropriate samples were excluded, the location coordinates, monitoring location type (e.g., aquifer tube or well), and

keywords for GWIA assignments were appended to the concentration data by joining the concentration data table to a monitoring location and sample-type table using an SQL query within the R workspace.

An R script was then used to generate an interpolation dataset for each GWIA (100-BC, 100-FR, 100-HR-D, 100-HR-H, and 100-NR) or subarea (separate datasets for east 100-KR (100-KE), north 100-KR (100-KN), and 100-KW). The plume-mapping value at each data point location was determined based on the general and special data selection rules previously discussed.

3.4 Data Transformations and Numerical Interpolation

Consistent with ECF-HANFORD-25-0022, interpolation was performed on transformed concentration values to reduce the influence of data skewness and nonstationarity, thereby minimizing extrapolation effects and reducing the potential for unrealistic plume representations during kriging. The MIK approach used here can also be described as prescribed rank or prescribed category kriging for reasons described below (Cressie, 1993, *Statistics for Spatial Data*; Hohn, 1988, *Geostatistics and Petroleum Geology*). The sample data are evaluated and transformed at values that correspond with concentration levels of interest, such as CULs. Concentrations of interest when depicting hexavalent chromium contamination include 2.5, 5, 10, 20, 48, and 100 µg/L. In this case, sample concentrations are considered in binary transformation within a given concentration interval of interest. Each interval is then kriged and is used as the cumulative distribution function that is conditional to the data. The cumulative distribution function is used to back-transform the result into µg/L at probability levels defined for each GWIA.

The variant of MIK used here is accomplished using the program QUANTILE (CP-69640, *QUANTILE Software Management Plan*) that is based upon the U.S. Geological Survey kriging routines of Skrivan and Karlinger, 1980, *Semi Variogram Estimation and Universal Kriging Program*. QUANTILE is programmed in Fortran® 90/95 using a modular program structure. It has been developed to be independent of any specific computer platform, requiring simple American Standard Code for Information Interchange (ASCII) input files and producing ASCII output files. QUANTILE incorporates routines to conduct the logarithmic, quantile, and categorical indicator data transforms, undertake ordinary kriging of the transformed values, and complete the necessary back transformations. QUANTILE undertakes spatial interpolation in two dimensions.

A detailed description of the kriging interpolation input file structure and data required by QUANTILE is provided in the Program Verification Section of Attachment C in CP-69640.

3.5 Variogram Parameters

Variogram models used for indicator-kriging were taken directly from the set of established Hanford Site groundwater variogram structures documented in ECF-HANFORD-25-0022. No new variograms were developed for this calculation. For all grids, the variogram model (spherical), transformation (MIK), nugget (0 m), and sill (1 m²) are based on those used in ECF-HANFORD-25-0022. The variogram minimum and maximum ranges and anisotropy angles, which vary by GWIA or area, are similar to those used in ECF-HANFORD-16-0061, and both are summarized in Table 3-2 for comparison. The variogram parameters from ECF-HANFORD-16-0061 were not otherwise adopted because this calculation uses the updated interpolation grids and data selection rules from the most recent plume-mapping analysis (ECF-HANFORD-25-0022). These more recent variogram structures reflect the current distribution of mapped contaminants, monitoring network density, and spatial continuity, providing a technically consistent basis for calculating the hexavalent chromium plumes to the PQL (5 µg/L) and the newly added 2.5 µg/L threshold, which should be interpreted with caution due to analytical uncertainty and sparse data.

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Table 3-2.Comparison of Kriging Interpolation Parameters Between ECF-HANFORD-16-0061 and ECF-HANFORD-25-0022

GWIA or Area	Parameter	ECF-HANFORD-16-0061	ECF-HANFORD-25-0022
Unconfined Aquifer (Low River Stage)			
100-BC (Upper Unconfined Aquifer)	Minimum and Maximum Range (m)	700 and 900	700 and 900[a]
	Angle (Degrees)	35	40[a]
100-HR-D	Minimum and Maximum Range (m)	2,000 and 2,000	2,150 and 2,150
	Angle (Degrees)	-40	-40
100-FR	Minimum and Maximum Range (m)	500 and 1,000[a]	500 and 1,000[a]
	Angle (Degrees)	45[a]	45[a]
100-HR-H	Minimum and Maximum Range (m)	1,000 and 1,300	1,000 and 1,000
	Angle (Degrees)	80	80
100-KE[b] and 100-KW[b] (combined)	Minimum and Maximum Range (m)	650 and 1,000	--[c]
	Angle (Degrees)	300	--[c]
100-KE[b]	Minimum and Maximum Range (m)	--[c]	670 and 1,000
	Angle (Degrees)	--[c]	-55
100-KN[b]	Minimum and Maximum Range (m)	650 and 1,170	650 and 1,170
	Angle (Degrees)	344	-16
100-KW[b]	Minimum and Maximum Range (m)	--[c]	650 and 1,170
	Angle (Degrees)	--[c]	-16
100-NR	Minimum and Maximum Range (m)	--[d]	650 and 1,170
	Angle (Degrees)	--[d]	-16
Rwic (RUM-2) Aquifer (Annual Average)			
100-HR-D	Minimum and Maximum Range (m)	--[e]	1,200 and 1,500
	Angle (Degrees)	--[e]	-120
100-HR-H	Minimum and Maximum Range (m)	--[e]	2,500 and 3,000
	Angle (Degrees)	--[e]	-40

Note: Positive angle values are clockwise from the north and negative angle values are counterclockwise from the north.

References:

ECF-HANFORD-16-0061, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2015 Hanford Site Groundwater Monitoring Report.*

ECF-HANFORD-25-0022, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2024 Hanford Site Groundwater Monitoring Report*.

a. No low river stage map was generated, range and angle are based on annual average interpolation parameters.

b. For these calculations 100-KR is split into three partially overlapping areas: east (100-KE), north (100-KN), and west (100-KW).

c. Different combinations of grids were used in the two ECFs. 100-KE and 100-KW were combined for ECF-HANFORD-16-0061 but are separate for ECF-HANFORD-25-0022.

d. No hexavalent chromium map was created for 100-NR in ECF-HANFORD-16-0061, but 100-NR monitoring locations were included in the 100-KE, 100-KN, and 100-KW areas to ensure plume continuity across GWIA boundaries.

e. No hexavalent chromium map was created for the Rwic (RUM-2) aquifer in 100-HR-D and 100-HR-H.

GWIA: groundwater interest area

Rwic (RUM-2): Ringold Formation Wooded Island member unit C (Ringold Formation – 1st water-bearing Intra-RUM unit)

4 Assumptions and Inputs

This chapter delineates the assumptions, limitations, and inputs integral to the calculations in this ECF, ensuring transparency and reproducibility.

4.1 Assumptions and Limitations

Assumptions and limitations of the sample and supporting data used to form the inputs to the hexavalent chromium plume mapping are summarized as follows. The dataset extracted for this ECF is assumed to be representative of the extent of hexavalent chromium contamination for the low river stage of 2015 (defined as September 1 through December 31, 2015) in the unconfined aquifer and for the annual average of 2015 in the Rwic (RUM-2) aquifer. The low river stage dataset reflects a specific hydrologic condition most relevant to shallow groundwater and near river monitoring locations, whereas the annual averaging approach used for Rwic (RUM-2) is appropriate given its semiconfined nature and slower response to seasonal fluctuations. Sampling dates within each averaging period vary, and both datasets are assumed to represent stable conditions over their respective time periods. Control points, when used, represent either historical sampling results or values considered representative given the scale of the plume and the rate of migration of contamination over time.

Aquifer tubes are small-diameter, flexible tubes installed near the Columbia River shoreline that are screened on one end. Most aquifer tube sites include two or three individual tubes at multiple depths. Although aquifer tubes are not constructed as resource-protection wells and are not used as compliance locations, they provide valuable information on near-shore conditions. Depending on river stage, samples from aquifer tubes may reflect a mixture of groundwater and river water, representing a limitation of the dataset. Aquifer tubes are generally sampled once annually in the fall during low river stage; therefore, they capture hexavalent chromium concentrations during a specific hydrologic condition relevant to this ECF.

Assumptions associated with the interpolation approach also apply. Ordinary kriging honors measured values at sample locations when replicates and small-scale variability are absent; however, when multi-month datasets are used, the resulting plume depiction represents a composite condition rather than an instantaneous snapshot. As demonstrated in prior studies, use of transform-based kriging methods mitigates bias related to skewness and data support, but these transformations are not mass-conservative and may underpredict total mass depending on distribution characteristics. Variogram models used in this ECF are consistent with those developed collaboratively with groundwater project scientists and refined over multiple mapping cycles. No experimental variograms were developed for this ECF. The nugget was set to zero consistent with previous annual plume-mapping ECFs.

A limitation of the mapping approach is the presence of visible boundary effects where individual interpolated concentration grids are mosaicked together for adjacent GWIAs. These edge effects do not affect the underlying calculation of representative concentrations but may appear in the final plume maps where grid extents meet. The extent of each grid used in this mapping is shown in each of the plume map figures presented in Chapter 7.

An additional limitation of this ECF is the inclusion of a 2.5 µg/L contour threshold in the plume maps. Concentrations at or below 2.5 µg/L are below the PQL for hexavalent chromium (5 µg/L) and may reflect analytical uncertainty, nondetects, or sparse data rather than representative plume extents. The 2.5 µg/L threshold is included solely to provide additional context for concentration less than 10 µg/L and potential plume extent but should be interpreted with caution.

4.2 Inputs

On January 21, 2025, the HEIS database was queried for all groundwater constituent concentration samples available starting from the first available sample date of October 7, 1951, to December 31, 2024, and the table of the database snapshot was saved in the HEIS database as

“GW_REPORT_CY2024_GWSR.” The HEIS snapshot included concentrations of constituents and field parameters in groundwater, measured across the Hanford Site in monitoring wells, injection wells for which sampling data are available, extraction wells, and aquifer tubes (5,575,131 records). These data were downloaded on January 22, 2025, and exported to text files (“qry_GW_REPORT_CY2024_GWSR_1.txt,” “qry_GW_REPORT_CY2024_GWSR_2.txt,” “qry_GW_REPORT_CY2024_GWSR_3.txt”).

Groundwater remediation goals (CULs), set as part of the CERCLA process, are often based on water quality standards. CULs vary among the groundwater OUs. For consistency in plume maps, contour levels used in generating the hexavalent chromium plume maps are chosen as follows:

- 2.5 µg/L hexavalent chromium, below the PQL, included to provide additional context for low-level concentrations, to be interpreted with caution due to analytical uncertainty
- 5 µg/L hexavalent chromium, corresponding to the PQL for hexavalent chromium measurements using EPA Method 7196A, allowing low-level concentrations to be represented in the plume maps
- 10 µg/L hexavalent chromium, which is the CUL established in the 100-HR-3 ROD and applies where groundwater discharges to surface water. This CUL is based on the Washington State chronic aquatic life criterion for hexavalent chromium of 10 µg/L (*Washington Administrative Code* [WAC] 173-201A-240, “Water Quality Standards for Surface Waters of the State of Washington,” “Toxic Substances,” Table 240(3))
- 48 µg/L hexavalent chromium, which is the groundwater cleanup level (CUL) established in the 100-HR-3 ROD. The CUL is based on Method B groundwater cleanup level under the Model Toxics Control Act (WAC 173-340-720, “Model Toxics Control Act—Cleanup,” “Groundwater Cleanup Standards”)
- Intermediate hexavalent chromium concentration levels to help define plumes:
  - 20 µg/L to provide finer resolution near compliance thresholds
  - 100 µg/L total chromium, the CUL established in the 100-HR-3 ROD, corresponding to the total chromium primary drinking water standard (40 CFR 141, “National Primary Drinking Water Regulations,” as noted in DOE/RL-2020-60, Table 1-3)

5 Software Applications

Software used to perform this calculation was in accordance with Central Plateau Cleanup Company (CPCCo)'s controlled software management procedure, which implements DOE O 414.1D, *Quality Assurance*. All model input files, selected output files, and other relevant files for the development of this ECF are archived to the Hanford Site's Environmental Model Management Archive (EMMA) internal file directory referenced under this ECF number and revision (ECF-HANFORD-25-0108, Rev. 0) in accordance with requirements of CPCCo's quality assurance modeling project plan.

5.1 Approved Software

Software used to perform the calculations for this ECF is managed in accordance with CPCCo's controlled software management procedure under the following software lifecycle documentation:

- CP-69640, *QUANTILE Software Management Plan*
- HNF-69989, *ArcGIS Pro Software Management Plan*

Brief descriptions of the software are provided in the following sections.

5.1.1 QUANTILE

The QUANTILE program (CP-69640) was used to perform the spatial interpolation of sampled chromium (hexavalent and filtered total chromium) concentration data. QUANTILE is a program for spatial interpolation in two dimensions programmed in Fortran 90/95 using a modular program structure, based upon the U.S. Geological Survey kriging routines of Skrivan and Karlinger (1980). QUANTILE incorporates routines to conduct the logarithmic, quantile, and categorical data transforms; performs ordinary kriging of the transformed values; and completes the necessary back-transformations. QUANTILE also supports simple kriging of untransformed data values. It has been developed to be independent of any specific model platform, requiring simple ASCII input files and producing ASCII output files. Acceptance tests for this software are provided in CP-69640.

The workstation type and property number from which software is run is as follows:

- **Software title**: QUANTILE
- **Software version**: 1.2
- **Hanford Information Systems Inventory (HISI) identification number**: 3500 (Safety Software graded Level D)
- **Workstation type and property number**: Microsoft Windows® 11 Business, Dell® Precision 7670, Intel® Core™ i9-12950HX, 2.3 GHz, 16 GB RAM INTERA Incorporated property number 01187

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® Intel is a registered trademark of the Intel Corporation, Santa Clara, California.

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5.1.2 ArcGIS Pro (Controlled Calculation Software)

ArcGIS® Pro[2] version 3.5.2 is graded level D and is approved for use under Hanford Mission Integrated Solutions (HMIS) Geospatial & Operations Site Systems (HISI #1583) under HNF-69989. ArcGIS Pro was used to perform interpolation of water-level elevation and display geospatial data as maps. The following describes the ArcGIS Pro-controlled visualization software:

- **Software title:** ArcGIS Pro
- **Software version:** Version 3.2.2
- **HISI identification number:** 1583 (safety software, graded level D)
- **Workstation type:** Microsoft Windows 11 Enterprise, 13th Gen Intel Core i5-13500, 2500 MHz, 14 Cores, 20 Logical Processors(s), 16 GB RAM, property number WF51698

5.2 Software Installation and Checkout

Safety software installations are checked and tested in accordance with controlled software management procedures. Executables are obtained from the CPCCo software owner (who maintains the configuration-managed copies in Azure DevOps®). Installation tests identified in CP-69640 are performed on the software to confirm successful installation. Software installation and checkout forms are required and must be approved for installations used to perform calculations. Appendix C provides a copy of the software installation and checkout form. Approved users are registered in the HISI authorized users list for safety software.

No software installation and checkout form is required for ArcGIS Pro. Per HNF-69989, Section Installation Plan/Training, “ArcGIS Pro will be installed using an access-controlled Software Distribution install. ArcGIS License Manager will be installed by an assigned analyst who has administrator access to the server on which the License Manager runs. The License Manager will be installed following vendor supplied installation instructions.” The workstation ArcGIS Pro was installed by an HMIS administrator and did not require a software installation and checkout form nor formal installation testing.

5.2.1 Statement of Valid Software Application

The software identified above was used consistent with its intended uses, as identified in CP-69640 and HNF-69989, and is a valid use of this software for this application. The software was used within its limitations, as identified in CP-69640 and HNF-69989.

5.3 Support Software

The following program is classified as support software.

5.3.1 R

The R programming environment Version 2.14.0 (R Development Core Team, 2012, *R: A language and environment for statistical computing*; Ihaka and Gentleman, 1996, “R: A Language for Data Analysis and Graphics”) was used to perform a variety of data-processing tasks, through the Wrapper.r script and associated functions (archived to the EMMA internal file directory referenced under this ECF number and revision), including the tabulation and formatting of data in preparation for analysis using the software program QUANTILE.

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[2] ArcGIS Pro refers to the professional release of ArcGIS software. In this document, ArcGIS will refer to all versions of ArcGIS software.

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6 Calculation

Calculations were performed following the process described in Chapter 3. The interpolation dataset along with the specific data selection and interpolation parameters for hexavalent chromium and filtered total chromium in each 100 Area GWIA are described and tabulated. In summary, plumes in the unconfined aquifer plumes represent low river stage conditions in 2015, while the Rwic (RUM-2) aquifer plumes represents the annual average concentration for 2015. The 100-BC interpolation dataset includes only monitoring wells screened in the upper portion of the unconfined aquifer.

Performing calculations included the following steps:

1. Create inputs for R script:
   a. Compile and reduce sampling data from the HEIS snapshot (Table A-1 and Table A-2).
   b. Compile spatial coordinates and assign GWIA keywords to monitoring locations (Table A-3).
   c. Compile excluded monitoring locations (Table A-4).
   d. Compile control point data (Table A-5)
   e. Assign data selection parameters (described in Section 3.2)
2. Using inputs from step 1, execute R workspace scripts called *Wrapper.r* to develop the interpolation dataset for each GWIA in the 100 Area100 Area.
3. Run batch processes to interpolate datasets for each GWIA of the 100 Area on grids with a 5 m spacing.
4. Aggregate resulting hexavalent chromium distributions (ASCII grid files) from step 3 to a single, 100 Area-wide mosaic by combining all grids into a single grid, with the 5 m grid spacing used in step 3. The maximum concentration was applied at each grid cell where grids overlap in the mosaic. The spatial extents of the rectangular grids used in the mosaicking process are indicated on the individual plume maps for each GWIA presented in Chapter 7. Some portions of the grids are blanked out where data were not interpolated (e.g., near the Columbia River boundary).

Details on the calculations in step 1 are discussed in Section 6.1 and the plume mapping calculations are discussed in Section 6.2.

6.1 Development of Interpolation Datasets

Data were compiled and reduced as follows:

- Hexavalent chromium and filtered total chromium concentrations in groundwater:
  - A subset of the HEIS snapshot was extracted containing hexavalent chromium and filtered total concentration samples for 2015 (8,450 records). This subset, the 2015 chromium concentration table, was saved as the database text file “tbl_GW_Data_2025-10-18_All.csv” (Table A-1). Due to the large number of records, Table A-1 is included in electronic format only. Table A-1 is archived to the EMMA internal file directory referenced under this ECF number and revision.
  - Hexavalent chromium concentrations as individual data points, which were excluded from the 2015 chromium concentration table based on ECF-HANFORD-16-0061, are listed in Table A-2 (3 records). This information is included in Table A-1, and it is extracted in a separate table (Table A-2) to facilitate review of the excluded data. Unfiltered total chromium concentrations are also excluded from the 2015 chromium concentration table.
- **Monitoring locations and type:** The tabulated spatial coordinates, modified from Table A-3 of ECF-HANFORD-25-0022, and location type for the monitoring locations were saved as the database text file “tbl_WellInfo_ForMaps.csv” (formatted into Table A-3). Due to the large number of records, Table A-3 is included in electronic format only. Table A-3 is archived to the EMMA internal file directory referenced under this ECF number and revision. Two additional columns were added to this

table to represent the aquifer tube group and the list of GWIAs for which each monitoring location was considered in the interpolation:

- Aquifer Tube Group: Aquifer tubes were assigned an aquifer tube group number by groundwater project scientists as documented in ECF-HANFORD-25-0022. If an aquifer tube was not determined to be part of a group, then the aquifer tube group number is left blank. Aquifer tubes are generally grouped based on the location and relative proximity of the tubes.
- Mapping Area/Plume: The set of locations selected for a GWIA included locations within and, in many cases, outside the GWIA boundary, ensuring continuity in the depiction of plumes extending across more than one GWIA. This column lists one or more keywords corresponding to GWIAs for each monitoring location used in any interpolation input dataset.

· **List of monitoring locations or values to be excluded:** Select monitoring locations were excluded from the interpolation datasets based on previous 2015 hexavalent chromium mapping (ECF-HANFORD-16-0061), reflecting erroneous samples or samples not representative of site conditions. Excluded monitoring locations are saved in the table “tbl_RemoveData.csv” (Table A-4). Details on these excluded monitoring locations, including the reason for exclusion, are provided in Table A-4.

· **Other data:** Supplemental data points and/or other data were included to reflect known conditions at the site as discussed in Section 3.1.1. These control points are included in the interpolation input datasets based on previous 2015 hexavalent chromium mapping (ECF-HANFORD-16-0061), data from other years where data were sparse (detailed in Table A-6), and to bound plumes based on conceptual models of plume migration and are saved as the database table “tbl_SoftData.csv” (Table A-5).

· **Data selection parameters:** Data selection and aggregation parameters are described in Section 3.2 and are the same for each GWIA.

6.2 Hexavalent Chromium Plume Mapping by GWIA

The following sections describe the data selection process and interpolation details for each 100 Area GWIA. Plume maps were developed for the unconfined aquifer to represent the low river stage conditions for 2015 and for the Rwic (RUM-2) aquifer to represent the 2015 annual average conditions.

For the 100-BC and 100-FR GWIAs, interpolation datasets were developed using the general data selection process described in Section 3.2 and detailed in ECF-HANFORD-25-0022. In 100-BC, lower unconfined aquifer wells were excluded and are listed in Table A-4. For the 100-HR-D, 100-HR-H, 100-KR, and 100-NR GWIAs, special data selection rules were applied prior to the general rules. For the Rwic (RUM-2) aquifer, only wells screened within the Rwic (RUM-2) interval were included in the hexavalent chromium dataset. These assignments were adopted from the assignments used in the plume mapping calculations documented in ECF-HANFORD-25-0022.

The number of wells, aquifer tubes, and control points that were selected through special data selection rules, where applicable, and the general data selection rules used to produce each plume are listed in Table 6-1. The complete set of interpolation data for the entire 100 Area is tabulated in Table A-7, which details the contaminant type (hexavalent chromium versus filtered total chromium), sampling year, aggregation method used to derive the representative value, the number of detected and nondetect measurements contributing to that value, and also the control points used in the calculations. Due to the large number of records, Table A-7 is included in electronic format only. Table A-7 is archived to the EMMA internal file directory referenced under this ECF number and revision.

Several Type 1 control points representing average 2015 effluent concentrations from P&T systems, as documented in ECF-HANFORD-16-0061, were added to contaminant- and GWIA-specific interpolation datasets. Generally, treatment system effluent concentrations were applied to injection wells screened in the unconfined aquifer within the following areas:

· 100-HR-D and 100-HR-H (DX and HX P&T systems)

- 100-KR and 100-NR (KR4 and KX P&T systems)
- K West (KW P&T system), the region around the former KW Reactor and associated waste sites

Excluded values, taken from ECF-HANFORD-16-0061 are tabulated in Table A-2. Some monitoring locations were excluded across all GWIAs in the 100 Area, as documented in ECF-HANFORD-16-0061. Monitoring locations excluded from all GWIAs are listed in Table A-4. Control points are detailed in Table A-5.

A summary of the kriging transform types, variogram parameters (ranges and principal directions[3]), interpolation dataset file names are provided in Table 6-2.

Appendix B consists of QUANTILE input files and are also archived to the EMMA internal file directory referenced under this ECF number and revision.

Table 6-1. Number of Values Used for 2015 Hexavalent Chromium Plume Mapping

Contaminant	Aquifer Tube Value[a]	Groundwater Well Value[a]	Type 1 Control Point[b]	Type 2 Control Point[c]	Type 3 Control Point[d]
Low River Stage[e] for Unconfined Aquifer					
Chromium (filtered total)	16	82	9[f]	--	--
Introduced in this Environmental Calculation File			9	--	--
Hexavalent chromium	106	349	77[f]	9[f]	14[f]
Introduced in this Environmental Calculation File			27	--	9
Carried over from ECF-HANFORD-16-0061			50	6	5
Carried over from ECF-HANFORD-25-0022			--	3	--
Annual Average for Rwic (RUM-2) Aquifer					
Hexavalent chromium	--	15	20[f]	--	7[f]
Introduced in this ECF			20	--	5
Carried over from ECF-HANFORD-25-0022			--	--	2

a. Monitoring locations and associated values were determined using the general and/or special data selection rules described in Section 3.2 and are taken from ECF-HANFORD-25-0022, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2024 Hanford Site Groundwater Monitoring Report*

b. Type 1 control points are based on either hexavalent chromium or filtered total chromium concentration measurements but were not determined based on the general or special data selection rules described in Section 3.2 (e.g. measurements from different time periods were used to improve data coverage in select areas).

c. Type 2 control points determined by geologic constraints were added to interpolation datasets where their location intersects the calculation grid.

d. Type 3 control points were introduced to bound plumes in select areas. These control points were either carried over from previous ECFs to bound ≥10 µg/L plume areas or were added as part of this ECF to bound the ≥5 µg/L portion of the plumes in the unconfined aquifer and the ≥ 2.5 µg/L portion of the plumes in the Rwic (RUM-2) aquifer.

e. Low river stage for the Columbia River was from September 1 to December 31, 2015 as described in ECF-HANFORD-16-0016, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2015 Hanford Site Groundwater Monitoring Report*.

f. These values indicate the total number of control points for each category (e.g., Type 1 control points for hexavalent chromium).

--: no data

Rwic (RUM-2): Ringold Formation Wooded Island member unit C (Ringold Formation – 1st water-bearing Intra-RUM unit)

[3] Positive angle values are clockwise from the north and negative angle values are counterclockwise from the north.

Table 6-2.Kriging Interpolation Parameters

Contaminant[a]	GWIA or Area	Aquifer	Transform Type[b]	Minimum Range (m)	Maximum Range (m)	Angle (Degrees)	Interpolation Dataset File Name
Hexavalent chromium	100-BC	Unconfined	MIK	700	900	40	100-BC-5_Hexavalent Chromium_LO.dat
Hexavalent chromium	100-HR-D	Unconfined	MIK	2,150	2,150	-40	100-HR-3-D_Hexavalent Chromium_LO.dat
Hexavalent chromium	100-FR	Unconfined	MIK	500	1,000	45	100-FR-3_Hexavalent Chromium_LO.dat
Hexavalent chromium	100-HR-H	Unconfined	MIK	1,000	1,300	80	100-HR-3-H_Hexavalent Chromium_LO.dat
Hexavalent chromium	100-KE	Unconfined	MIK	670	1,000	-55	100-KR-4-KE_Hexavalent Chromium_LO.dat
Hexavalent chromium	100-KN	Unconfined	MIK	650	1,170	-16	100-KR-4-KN_Hexavalent Chromium_LO.dat
Hexavalent chromium	100-KW	Unconfined	MIK	650	1,170	344	100-KW_Hexavalent Chromium_LO.dat
Hexavalent chromium	100-NR	Unconfined	MIK	650	1,170	-16	100-NR-2_Hexavalent Chromium_LO.dat
Hexavalent chromium	100-HR-D	Rwic (RUM-2)	MIK	1,500	1,500	-120	100-HR-3-D_Hexavalent Chromium.dat
Hexavalent chromium	100-HR-H	Rwic (RUM-2)	MIK	2,500	3,000	-40	100-HR-3-H_Hexavalent Chromium.dat

Note: Positive angle values are clockwise from the north and negative angle values are counterclockwise from the north.

a. Hexavalent chromium for either the low river stage in 2015, defined as September 1 through December 31, 2015, as documented in ECF-HANFORD-16-0061, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2015 Hanford Site Groundwater Monitoring Report*, for the unconfined aquifer or 2015 annual average for the Rwic (RUM-2) aquifer.

b. QUANTILE incorporates routines to conduct the data transformations, undertake ordinary kriging of the transformed values, and complete the necessary back transformations.

GWIA: groundwater interest area

MIK: multiple indicator kriging (categorical indicator transform)

Rwic (RUM-2): Ringold Formation Wooded Island member unit C (Ringold Formation - 1st water-bearing Intra-RUM unit)

7 Results

This chapter presents hexavalent chromium groundwater plume maps for each 100 Area GWIA (100-BC, 100-HR-D, 100-HR-H, 100-FR, 100-KR, and 100-NR) for the unconfined aquifer, as well as plume maps for 100-HR-D and 100-HR-H for the Rwic (RUM-2) aquifer. The plume maps represent continuous, gridded estimates of the spatial distribution of hexavalent chromium concentrations above 2.5 µg/L, as well as the PQL of 5 µg/L, generated using two-dimensional ordinary kriging. The 5 µg/L threshold corresponds to the PQL for hexavalent chromium and represents the lowest concentration reliably measured across the dataset. The 2.5 µg/L threshold is below the PQL and should be interpreted with caution, as it may reflect sparse data or analytical uncertainty rather than plume extents.

The unconfined aquifer plume maps represent low river stage conditions during 2015 (September 1 through December 31, 2015), while the Rwic (RUM-2) aquifer plume maps represent the 2015 annual average conditions. The figures show the extent of the interpolation area used to generate the plumes; contamination may exist beyond these boundaries at concentrations below 2.5 µg/L. The concentration contour levels used in the plume maps are based on hexavalent chromium concentration standards (e.g., ambient surface water quality criteria, CULs, or the total chromium primary drinking water standard) as discussed in Section 4.2.

The spatial extent of each plume reflects the monitoring data available for the 2015 low river stage period and may differ from other years because sampling locations and monitoring frequency change over time. Because the interpolation dataset incorporates data collected throughout the 2015 low river stage period (September 1 through December 31), as well as limited supplemental data in the form of annual averages from other years, the resulting maps represent a composite condition rather than an instantaneous snapshot in time. Additionally, for the 100-BC GWIA, only wells screened in the upper portion of the unconfined aquifer were included in the interpolation dataset; therefore, the resulting plume map represents conditions in the upper portion of the unconfined aquifer only. Because the 100 Area Model Version 1.0 represents the unconfined aquifer as a single layer and does not distinguish between vertically discrete intervals, inclusion of lower aquifer data would introduce vertical variability the model cannot resolve and could lead to inaccurate representation of the upper aquifer plume.

Select figures include control points used to bound the ≥5 µg/L and ≥2.5 µg/L portions of the hexavalent chromium plume for this calculation. These control points are specific to this ECF and differ from those used in previous plume-mapping calculations. Bounding control points are typically located along the plume margins and are identified by the prefix CP_100AGWM_ followed by a unique identifier.

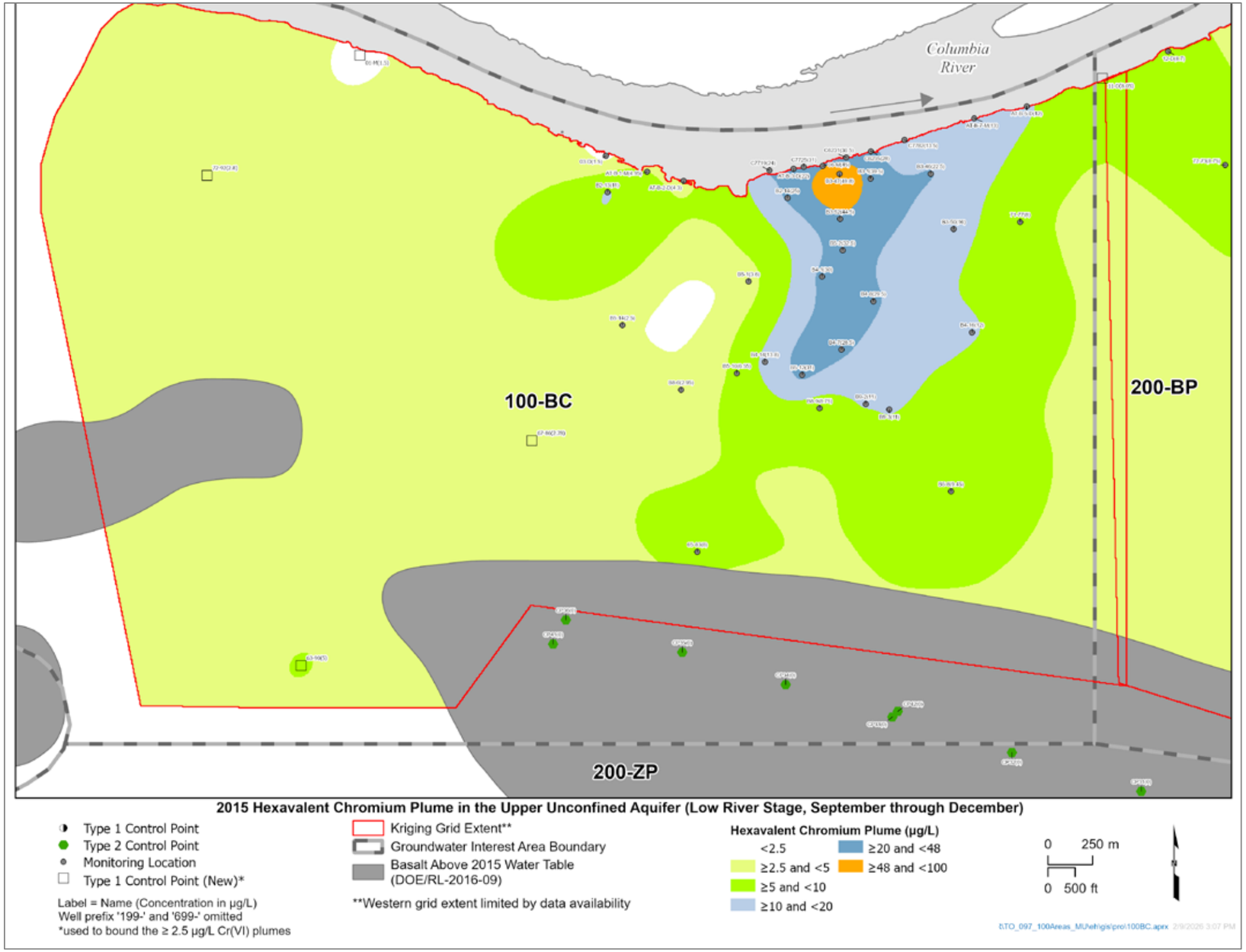
The following low river stage hexavalent chromium plume maps for the unconfined aquifer depict basalt and mud above the 2015 water table, as shown in Figure 1-5 in DOE/RL-2016-09, *Hanford Site Groundwater Monitoring for 2015,* and were prepared by GWIA for the following areas:

- 100-BC in Figure 7-1 (representing upper unconfined aquifer only)
- 100-KR (including sub-regions KE, KN, and KW) in Figure 7-2
- 100-NR in Figure 7-3
- 100-HR-D in Figure 7-4
- 100-HR-H in Figure 7-5
- 100-FR in Figure 7-6

Figure 7-7 provides a map of the hexavalent chromium plumes for the entire 100 Area and shows the locations of the new Type 1 control points added for this ECF to supplement areas with sparse or absent 2015 monitoring data. The figure includes only these newly added Type 1 control points and does not display other control points or routine monitoring locations. The new Type 1 control points are symbolized to distinguish between values derived from total filtered chromium versus hexavalent chromium measurements and are further subdivided to indicate whether the representative concentration was

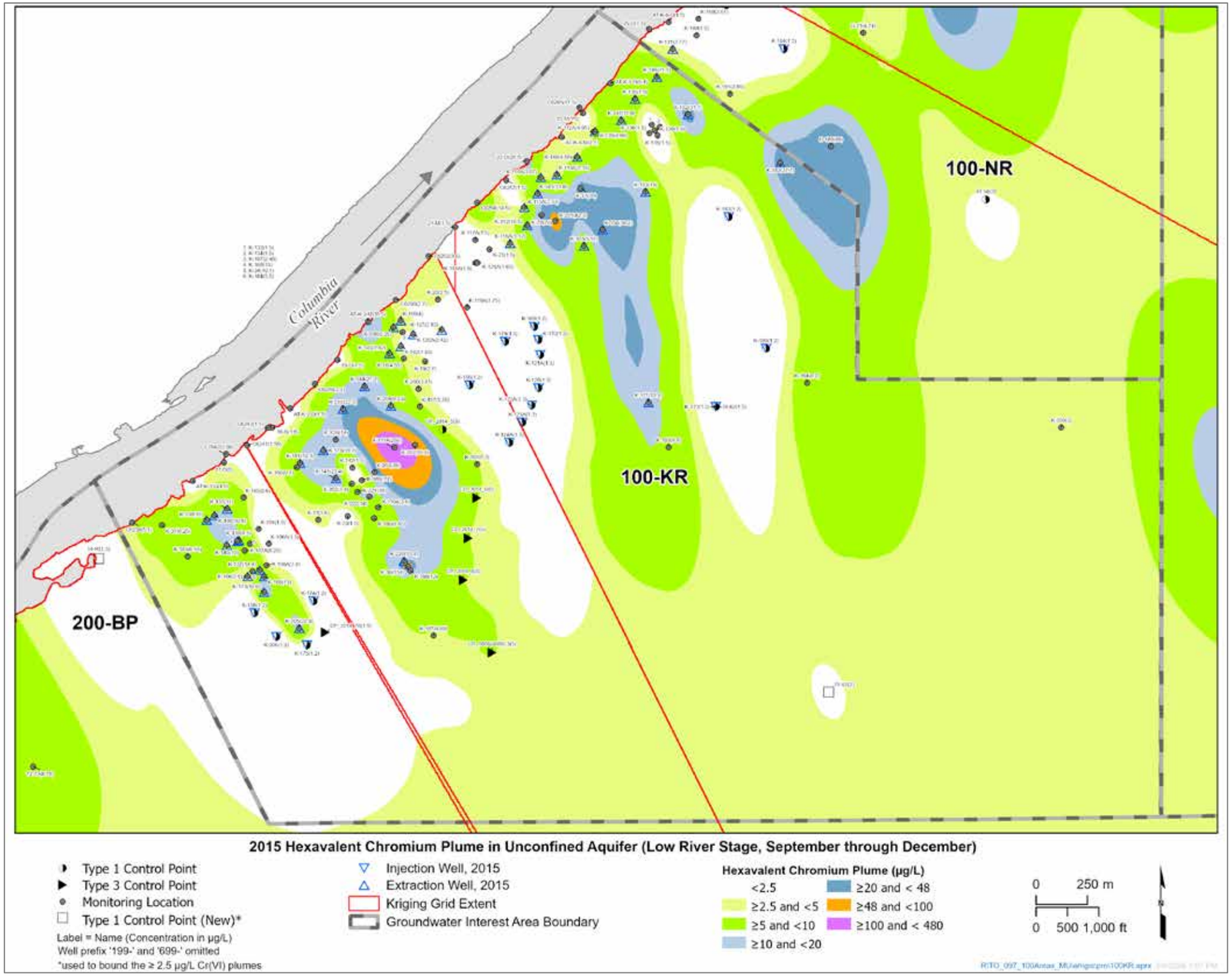
based on detected or nondetected values. The grid outline for the 100 Area Model Version 1.0 is shown for reference to provide spatial context relative to the kriging grid extents.

The Rwic (RUM-2) aquifer annual average plume map for 100-HR-D and 100-HR-H is provided in Figure 7-8.



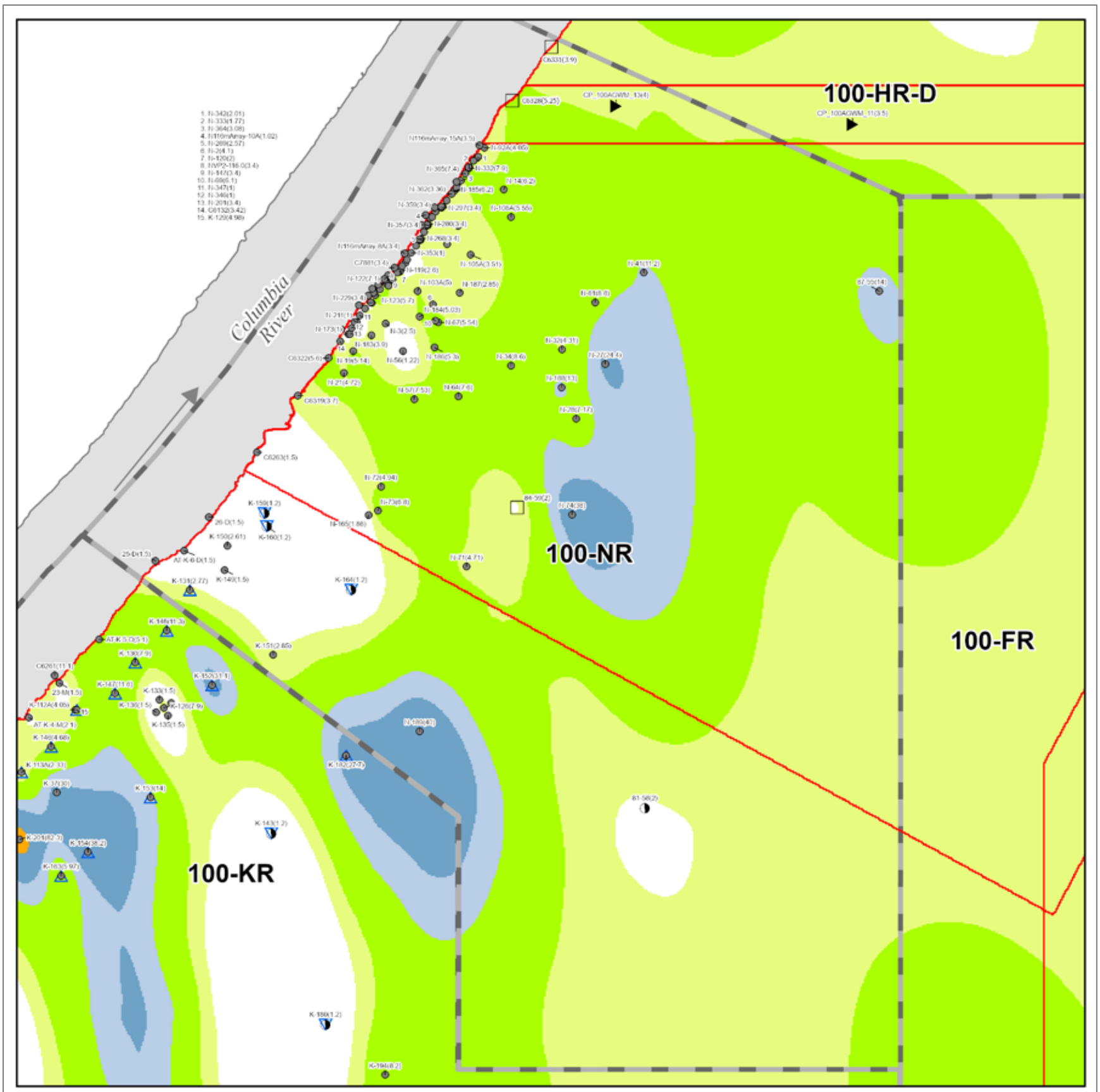
Note: This figure represents conditions for 100-BC in the upper portion of the unconfined aquifer only; data from the lower portion of the unconfined aquifer were excluded. More detail on the new Type 1 control points shown in the figure is provided in Figure 7-7. This figure also includes new Type 3 control points used to bound the ≥5 µg/L hexavalent chromium plumes for this calculation. These control points are specific to this ECF and are identified by the prefix CP_100AGWM_. Complete references are available in Chapter 8.

Figure 7-1. 2015 Low River Stage Hexavalent Chromium Plume in Upper Unconfined Aquifer of 100-BC



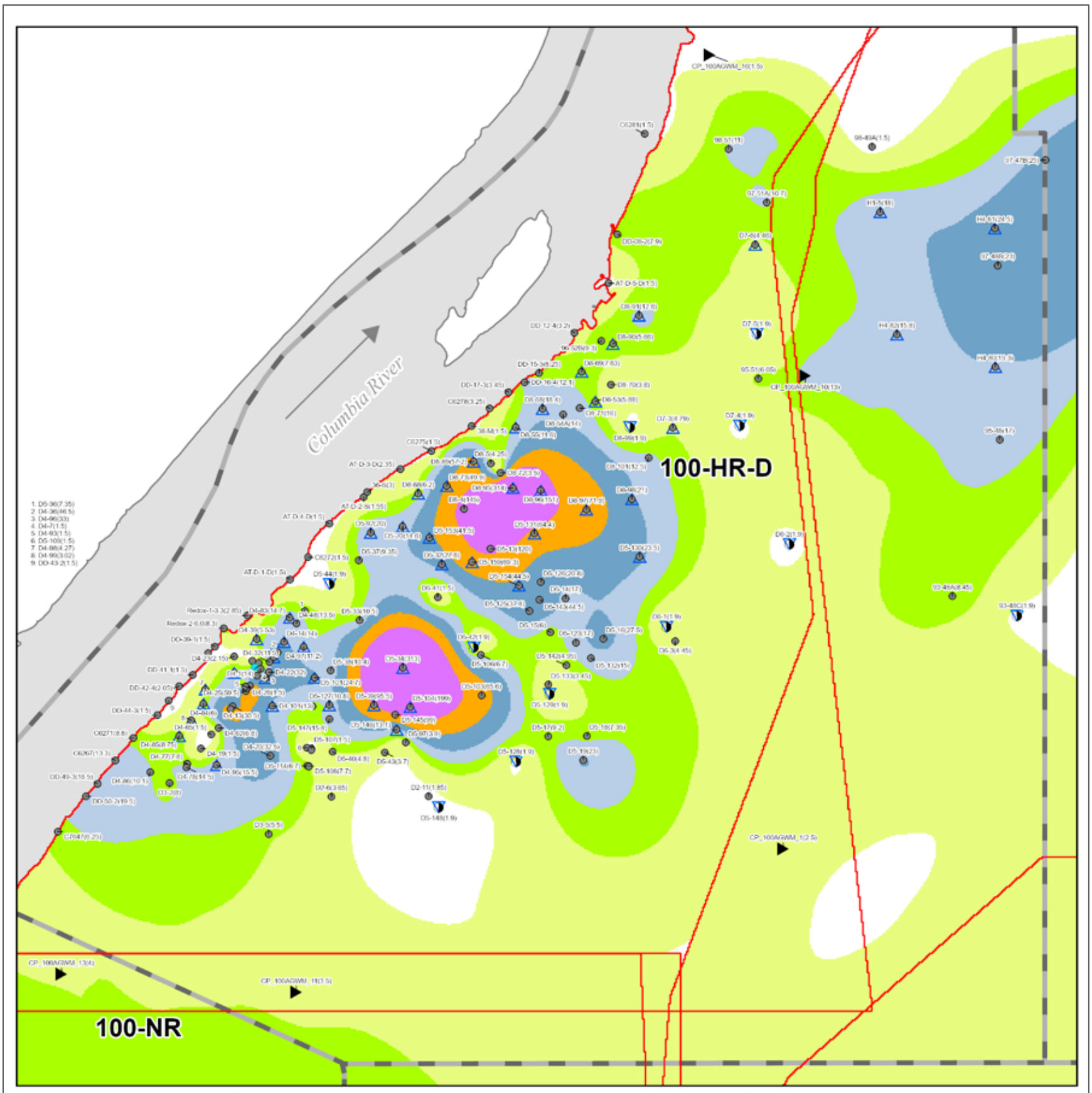
Note: More detail on the new Type 1 control points shown in the figure is provided in Figure 7-7. This figure also includes new Type 3 control points used to bound the ≥5 µg/L hexavalent chromium plumes for this calculation. These control points are specific to this ECF and are identified by the prefix CP_100AGWM_.

Figure 7-2. 2015 Low River Stage Hexavalent Chromium Plume in Unconfined Aquifer of 100-KR



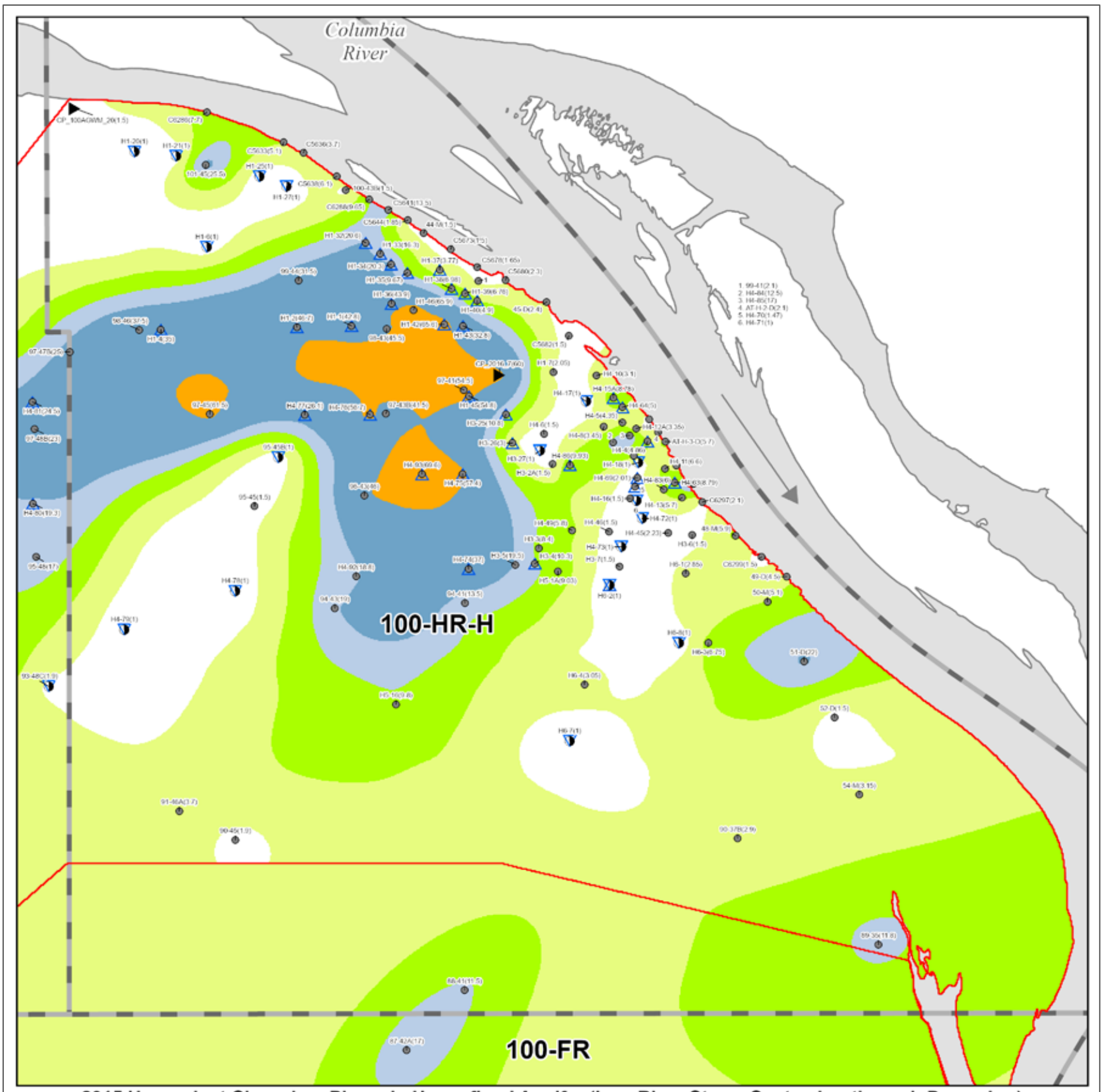
Note: More detail on the new Type 1 control points shown in the figure is provided in Figure 7-7. This figure also includes new Type 3 control points used to bound the ≥5 µg/L hexavalent chromium plumes for this calculation. These control points are specific to this ECF and are identified by the prefix CP_100AGWM_.

Figure 7-3. 2015 Low River Stage Hexavalent Chromium Plume in Unconfined Aquifer of 100-NR



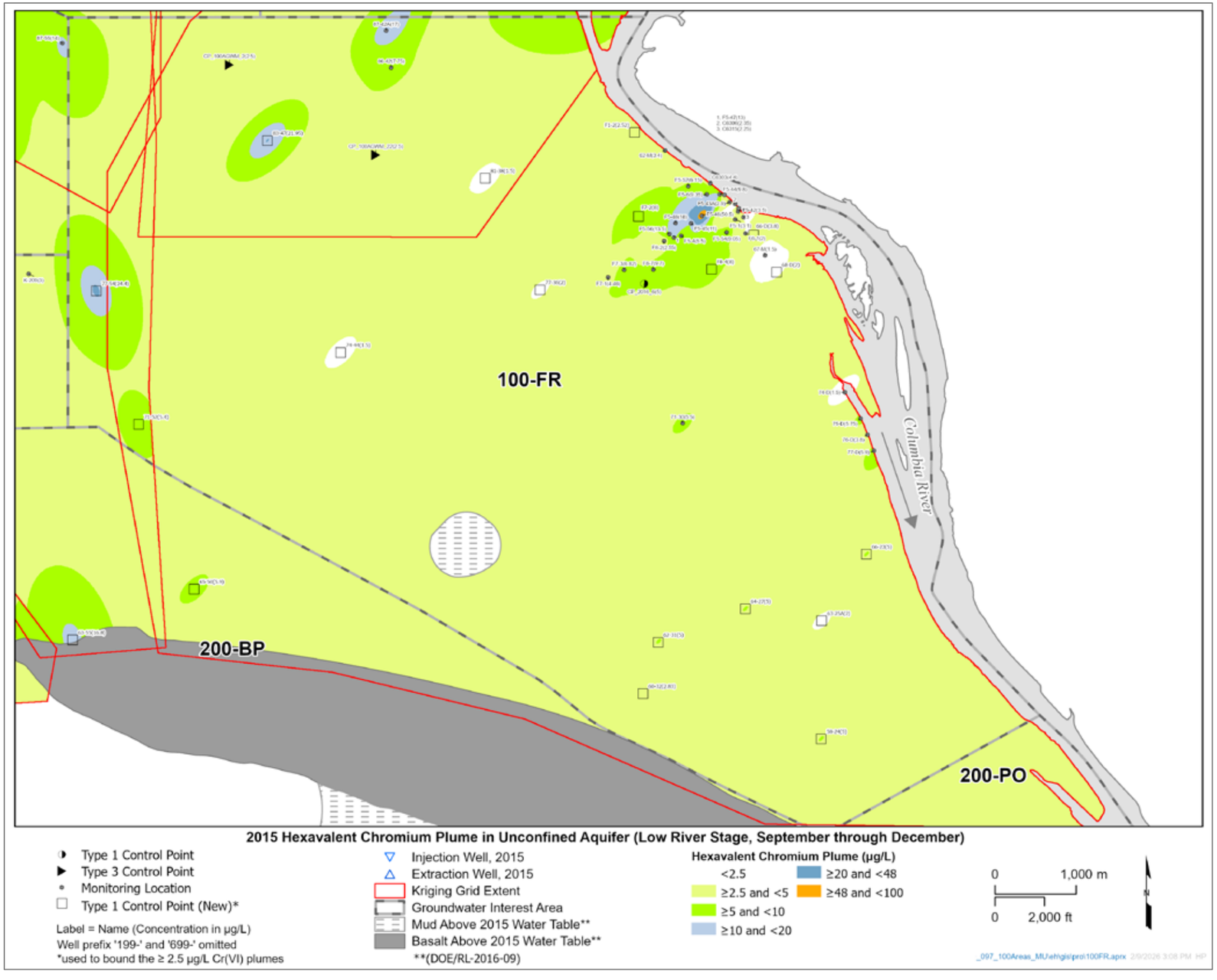
Note: This figure includes new Type 3 control points used to bound the ≥5 µg/L hexavalent chromium plumes for this calculation. These control points are specific to this ECF and are identified by the prefix CP_100AGWM_.

Figure 7-4. 2015 Low River Stage Hexavalent Chromium Plume in Unconfined Aquifer of 100-HR-D



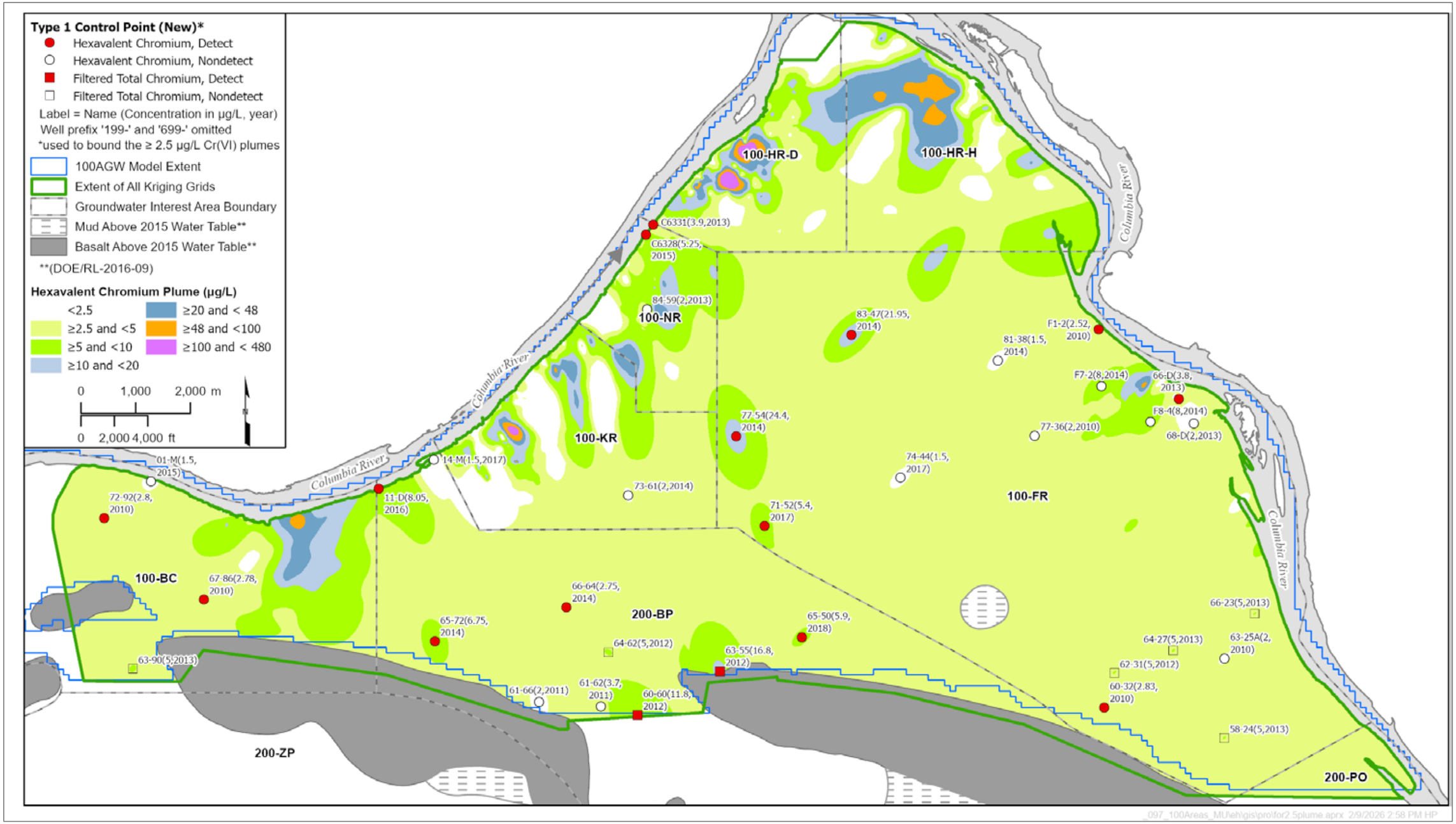
Note: This figure includes new Type 3 control points used to bound the ≥5 µg/L hexavalent chromium plumes for this calculation. These control points are specific to this ECF and are identified by the prefix CP_100AGWM_.

Figure 7-5. 2015 Low River Stage Hexavalent Chromium Plume in Unconfined Aquifer of 100-HR-H



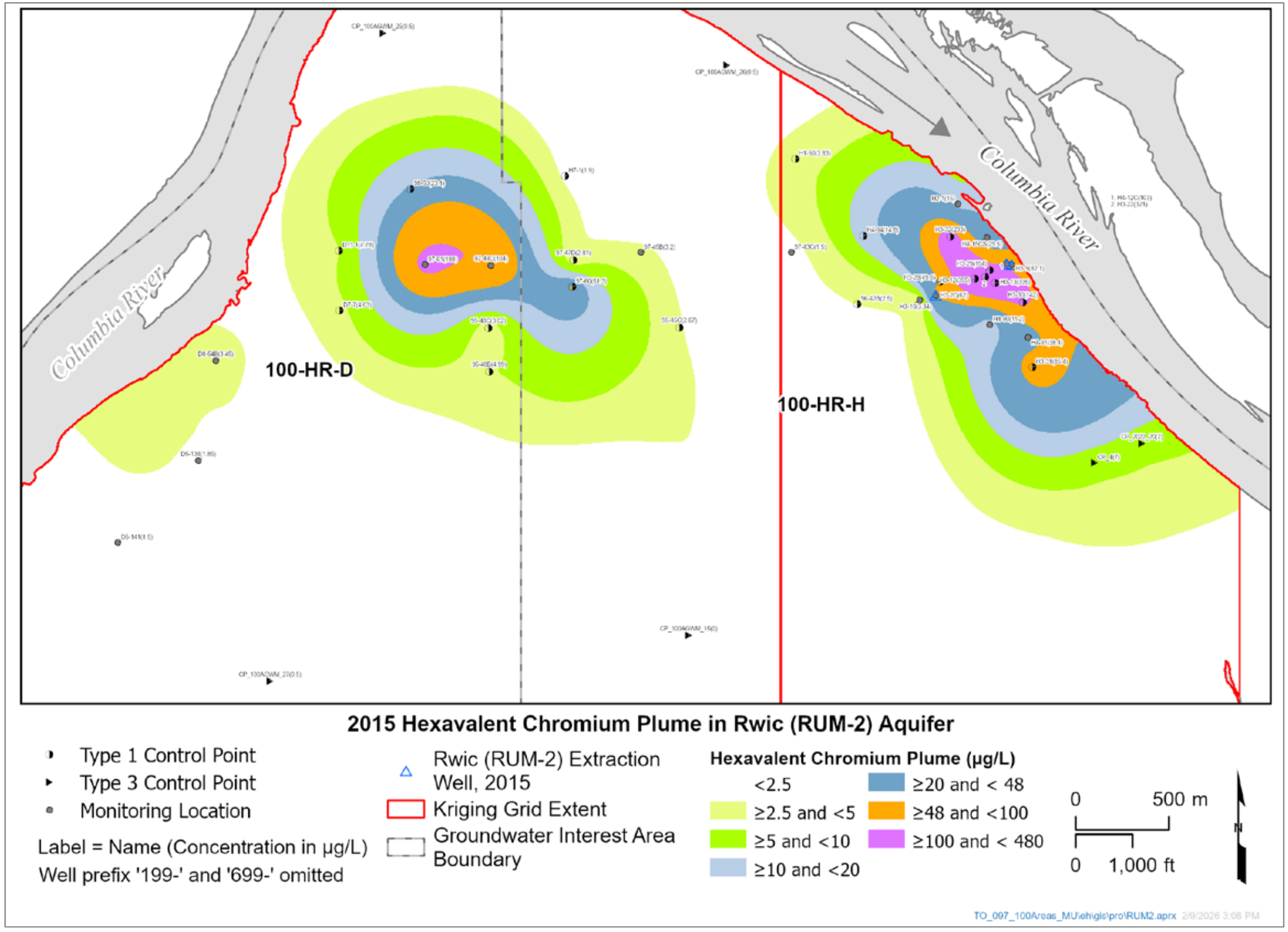
Note: More detail on the new Type 1 control points shown in the figure is provided in Figure 7-7. This figure also includes new Type 3 control points used to bound the ≥5 µg/L hexavalent chromium plumes for this calculation. These control points are specific to this ECF and are identified by the prefix CP_100AGWM_. Complete references are available in Chapter 8.

Figure 7-6. 2015 Low River Stage Hexavalent Chromium Plume in Unconfined Aquifer of 100-FR



Note: Complete references are available in Chapter 8. Terms used in this figure are defined in the Terms list in the front matter of this document.

Figure 7-7. 100 Area Hexavalent Chromium Plumes and New Type 1 Control Points



Note: This figure includes new Type 3 control points used to bound the ≥2.5 µg/L hexavalent chromium plumes for this calculation. These control points are specific to this ECF and are identified by the prefix CP_100AGWM_. Terms used in this figure are defined in the Terms list in the front matter of this document.

Figure 7-8. 2015 Annual Average Hexavalent Chromium Plume in Rwic (RUM-2) Aquifer of 100-HR-D and 100-HR-H

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Appendix A

Data Used to Develop Kriging Interpolation Inputs

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A1 Introduction

Table A-1 contains the 2015 chromium concentration table, which is a subset of the concentrations in groundwater obtained from the Hanford Environmental Information System (HEIS) snapshot for calendar year 2024 exported to text files (qry_GW_REPORT_CY2024_GWSR_1.txt, qry_GW_REPORT_CY2024_GWSR_2.txt, qry_GW_REPORT_CY2024_GWSR_3.txt), for hexavalent chromium and filtered total chromium sampled during 2015.

Table A-1 is available in electronic format only. A hardcopy of Table A-1 is not included in this environmental calculation file (ECF) due to the large number of records (8,450 records). The contents of this appendix are archived to the Hanford Site's internal file directory referenced under this ECF number and revision (ECF-HANFORD-25-0108, Rev. 0) in the Environmental Model Management Archive.

Table A-2, also a subset of the chromium concentrations in groundwater sampled in 2015 obtained from the HEIS snapshot, lists sampled hexavalent chromium concentration data excluded from the 2015 chromium concentration table based on ECF-HANFORD-16-0061.

Table A-3 lists the spatial coordinates, location type (e.g., groundwater wells or aquifer tubes), aquifer tube group assignment, and assigned mapping area(s) for the monitoring locations used in the interpolation calculations. Table A-3 is available in electronic format only. A hardcopy of Table A-3 is not included in this ECF due to the large number of records (704 records).

Table A-4 lists monitoring locations excluded from the interpolation dataset because the data does not represent site groundwater conditions for the mapped plumes as documented in ECF-HANFORD-16-0061. The excluded data is composed of wells screened in confined aquifers and monitoring locations with lower contaminant concentrations than nearby monitoring locations. Additionally, this table identifies wells monitoring the lower unconfined aquifer in 100-BC that were excluded from the 100-BC hexavalent chromium interpolation dataset, reflecting the fact that the 100 Area Model Version 1.0 does not distinguish between upper and lower portions of the unconfined aquifer. For consistency with current geoframework terminology used in the 100 Area geoframework model (CP-64995, Rev. 2, *Geoframework Model of the Hanford Site 100 Area*), the use of the term RUM in ECF-HANFORD-16-0061 is clarified here relative to the current stratigraphic framework. In ECF-HANFORD-16-0061, RUM was used broadly to describe the undifferentiated Ringold Formation upper mud within which discrete water-bearing intervals were identified based on the geologic interpretation available at that time (CP-64995, Rev. 1, *Geoframework Model of the Hanford Site 100 Area*). Under the current geoframework model, the first water-bearing interval within the RUM corresponds to the Ringold Formation Wooded Island member unit C (Ringold Formation – 1st water-bearing Intra-RUM unit) Rwic (RUM-2) unit. The historical terminology is retained in Table A-4 for consistency with ECF-HANFORD-16-0061.

Table A-5 lists supplemental sampled data points and/or other data, collectively referred to as control points, included to improve interpolations as discussed in Section 3.1.1 in the main text of this ECF. Many of these control points were adopted from ECF-HANFORD-16-0061.

Table A-6 details the new Type 1 control points added as part of this ECF, including the contaminant type, sampling year, aggregation method used to derive the representative value, and the number of detected and nondetect measurements contributing to that value.

Table A-7 lists the complete set of monitoring locations and control points that make up the interpolation datasets. This table includes information on how individual sample measurements are combined to derive the single representative value used in the interpolation, as described in more detail in Section 3.1.2 of the main text. The table also indicates whether the aggregated samples are based on hexavalent chromium or filtered total chromium, the number of measurements used, and the number of those measurements that were nondetects.

Spatial coordinates of data used in this calculation are presented in the *North America Datum of 1983* (NAD83, 1991) State Plane, Washington South FIPS 4602 coordinate system.

Table A-1. 2015 Chromium Concentration Table

Due to the large number of records in the file (8,450 records), Table A-1 is in electronic format only. Table A-1 is archived to the Hanford Site's internal file directory referenced under this Environmental Calculation File number and revision (ECF-HANFORD-25-0108, Rev. 0) in the Environmental Model Management Archive.

Table A-2. Samples Excluded from the 2015 Chromium Concentration Table

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	METHOD_NAME	LOAD_DATE_TIME	Reason for Exclusion
199-K-111A	11/3/2015 8:45	N	Hexavalent Chromium	86.8	µg/L		QY		NA	3	1	GW	R	PNLGW	7196_CR6	12/2/2015 12:54	Excluded based on ECF-HANFORD-16-0061 Table A-3
199-K-111A	11/3/2015 8:45	Y	Hexavalent Chromium	92.5	µg/L		QY		NA	3	1	GW	R	PNLGW	7196_CR6	12/2/2015 12:54	Excluded based on ECF-HANFORD-16-0061 Table A-3
199-K-152	10/27/2015 12:55	Y	Hexavalent Chromium	14.3	µg/L	X	HQ		NA	3	1	GW	R	PNLGW	7196_CR6	11/26/2015 6:01	Excluded based on ECF-HANFORD-16-0061 Table A-3

References:

ECF-HANFORD-16-0061, 2016, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2015 Hanford Site Groundwater Monitoring Report*

HEIS field codes and translations are defined in HNF-38155, *Hanford Environmental Information System (HEIS) Sample, Result, and Sampling Site Data Dictionary.* Lab and review qualifier field codes defined in HNF-38155 are as follows:

H = Record laboratory holding time exceeded before the sample was analyzed.

Q = Record is where associated quality control sample is out of limits.

X = The result-specific translation of this qualifier code is provided in the RESULT_COMMENT field for this record, but for this sample no comment was present.

Y = Record is a suspected error and there is insufficient evidence to show result valid or invalid.

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Table A-3. Monitoring Location and Type

Due to the large number of records in the file (704 records), Table A-3 is in electronic format only. Table A-3 is archived to the Hanford Site's internal file directory referenced under this Environmental Calculation File number and revision (ECF-HANFORD-25-0108, Rev. 0) in the Environmental Model Management Archive.

Table A-4. Data Removed from Hexavalent Chromium Interpolation Datasets

Name	GWIA or Area	Reason for Exclusion	Mapping Area/Plume
14-D	200-BP	Tube missing; no longer exists, as documented in ECF-HANFORD-25-0022 Table A-4.	100-KW;100-KR-4;100-NR-2
199-B2-12	100-BC	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
199-B2-15	100-BC	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
199-B2-16	100-BC	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
199-B3-51	100-BC	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
199-B4-18	100-BC	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
199-B4-4	100-BC	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
199-B5-5	100-BC	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
199-B5-6	100-BC	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
199-B5-9	100-BC	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
199-B5-11	100-BC	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
199-B5-13	100-BC	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
199-D5-134	100-HR-D, 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-D5-141	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-D8-54B	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-F5-43B	100-FR	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-FR-3

Table A-4. Data Removed from Hexavalent Chromium Interpolation Datasets

Name	GWIA or Area	Reason for Exclusion	Mapping Area/Plume
199-F5-53	100-FR	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-FR-3
199-H1-3	100-FR	This well is sampled without a sufficient purge volume to get representative groundwater in the conveyance line prior to sampling, as documented in ECF-HANFORD-16-0061 Table A-5.	100-FR-3
199-H2-1	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-H3-10	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-H3-2C	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-H3-9	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-H4-12C	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-H4-15CP	100-HR-D; 100-HR-H	Completed in Basalt confined, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-H4-15CQ	100-HR-D; 100-HR-H	Well screened in Rwia, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-H4-15CR	100-HR-D; 100-HR-H	Well screened in Rwia, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-H4-15CS	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-H4-2	100-HR-D; 100-HR-H	Completed in Basalt confined, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-H4-90	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-H4-91	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-K-109A	100-HR-D; 100-HR-H	Well decommissioned in 2008. Data from 2008 no longer considered representative of plume conditions, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
199-K-13	100-KR	Unclear which part of the unconfined aquifer the well is screened, as documented in ECF-HANFORD-25-0022 Table A-4.	100-KR-4;100-NR-2

Table A-4. Data Removed from Hexavalent Chromium Interpolation Datasets

Name	GWIA or Area	Reason for Exclusion	Mapping Area/Plume
199-K-192	100-KR	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-KR-4;100-NR-2
199-K-195	100-KR	Well decommissioned in 2011. Data no longer considered representative of plume conditions. A replacement well (199-K-205) has been drilled, as documented in ECF-HANFORD-16-0061 Table A-5.	100-KR-4;100-NR-2
199-K-27	100-KR	Well decommissioned in 2008. Data from 2008 no longer considered representative of plume conditions, as documented in ECF-HANFORD-16-0061 Table A-5.	100-KR-4;100-NR-2
199-K-32B	100-KR	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-KR-4;100-NR-2
199-N-182	100-KR	Remove from dataset (different screened interval), as documented in ECF-HANFORD-16-0061 Table A-5.	100-KR-4;100-NR-2
199-N-70	100-NR	Well screened more than 15 ft below water table. Concentrations of analytes lower compared to concentrations detected by nearby water table wells, as documented in ECF-HANFORD-16-0061 Table A-5.	100-KR-4;100-NR-2
199-N-77	100-NR	Well screened more than 15 ft below water table. Concentrations of analytes lower compared to concentrations detected by nearby water table wells, as documented in ECF-HANFORD-16-0061 Table A-5.	100-KR-4;100-NR-2
199-N-80	100-NR	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-KR-4;100-NR-2
699-66-91	100-FR	Completed in Basalt confined, as documented in ECF-HANFORD-16-0061.	100-FR-3
699-97-43C	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
699-97-45B	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
699-97-48C	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
699-97-60	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
699-97-61	100-HR-D; 100-HR-H	Screened in RUM aquifer, as documented in ECF-HANFORD-16-0061 Table A-5.	100-HR-3-D;100-HR-3-H
C8840	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5

Table A-4. Data Removed from Hexavalent Chromium Interpolation Datasets

Name	GWIA or Area	Reason for Exclusion	Mapping Area/Plume
C8841	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8842	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8843	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8844	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8845	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8846	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8847	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8848	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8849	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8850	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8851	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5

Table A-4. Data Removed from Hexavalent Chromium Interpolation Datasets

Name	GWIA or Area	Reason for Exclusion	Mapping Area/Plume
C8852	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8853	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8854	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8855	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8856	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8857	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8858	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8859	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8860	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C8861	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C9441	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5

Table A-4. Data Removed from Hexavalent Chromium Interpolation Datasets

Name	GWIA or Area	Reason for Exclusion	Mapping Area/Plume
C9442	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C9443	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C9444	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C9445	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5
C9446	100-BC	Hyporheic sampling points. Some samples were non-representative. Nearby conventional aquifer tubes yield data more representative of groundwater, as documented in ECF-HANFORD-16-0061 Table A-5.	100-BC-5

References:

ECF-HANFORD-16-0061, 2016, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2015 Hanford Site Groundwater Monitoring Report*

ECF-HANFORD-25-0022, 2025, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2024 Hanford Site Groundwater Monitoring Report*

GWIA: Groundwater Interest Area

RUM: Ringold Upper Mud unit (Term used in this table consistent with usage in ECF-HANFORD-16-0061 and not intended to reflect current geoframework nomenclature.)

Rwia: Ringold Formation Wooded Island member unit A

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
Unconfined Aquifer							
01-M	1.5	µg/L	2015	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2015 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
11-D	8.05	µg/L	2016	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2016 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
14-M	1.5	µg/L	2017	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2017 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
199-D5-128	1.9	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-DX P&T System, as documented in ECF-HANFORD-16-0061.
199-D5-129	1.9	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-DX P&T System, as documented in ECF-HANFORD-16-0061.
199-D5-148	1.9	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-DX P&T System, as documented in ECF-HANFORD-16-0061.
199-D5-42	1.9	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-DX P&T System, as documented in ECF-HANFORD-16-0061.
199-D5-44	1.9	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-DX P&T System, as documented in ECF-HANFORD-16-0061.
199-D6-1	1.9	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-DX P&T System, as documented in ECF-HANFORD-16-0061.
199-D6-2	1.9	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-DX P&T System, as documented in ECF-HANFORD-16-0061.
199-D7-4	1.9	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-DX P&T System, as documented in ECF-HANFORD-16-0061.

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
199-D7-5	1.9	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-DX P&T System, as documented in ECF-HANFORD-16-0061.
199-D8-99	1.9	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-DX P&T System, as documented in ECF-HANFORD-16-0061.
199-F1-2	2.52	µg/L	2010	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2010 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
199-F7-2	8	µg/L	2014	Hexavalent Chromium	100-FR-3;100-KR-4; 100-NR-2;100-HR-3-D; 100-HR-3-H	1	Was not sampled during 2015 including the 2014 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
199-F8-4	8	µg/L	2014	Hexavalent Chromium	100-FR-3;100-KR-4; 100-NR-2;100-HR-3-D; 100-HR-3-H	1	Was not sampled during 2015 including the 2014 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
199-H1-20	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H1-21	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H1-25	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H1-27	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H1-6	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H3-27	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H4-17	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
199-H4-18	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H4-71	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H4-72	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H4-73	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H4-78	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H4-79	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2014 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H6-2	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H6-7	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-H6-8	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
199-K-121A	1.3	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KR-4 P&T System, as documented in ECF-HANFORD-16-0061.
199-K-122A	1.3	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KR-4 P&T System, as documented in ECF-HANFORD-16-0061.
199-K-123A	1.3	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KR-4 P&T System, as documented in ECF-HANFORD-16-0061.

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
199-K-124A	1.3	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KR-4 P&T System, as documented in ECF-HANFORD-16-0061.
199-K-128	1.3	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KR-4 P&T System, as documented in ECF-HANFORD-16-0061.
199-K-143	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KX P&T System, as documented in ECF-HANFORD-16-0061.
199-K-156	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KX P&T System, as documented in ECF-HANFORD-16-0061.
199-K-158	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KW P&T System, as documented in ECF-HANFORD-16-0061.
199-K-159	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KX P&T System, as documented in ECF-HANFORD-16-0061.
199-K-160	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KX P&T System, as documented in ECF-HANFORD-16-0061.
199-K-164	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KX P&T System, as documented in ECF-HANFORD-16-0061.
199-K-169	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KX P&T System, as documented in ECF-HANFORD-16-0061.
199-K-170	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KX P&T System, as documented in ECF-HANFORD-16-0061.
199-K-172	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KX P&T System, as documented in ECF-HANFORD-16-0061.

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
199-K-174	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KW P&T System, as documented in ECF-HANFORD-16-0061.
199-K-175	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KW P&T System, as documented in ECF-HANFORD-16-0061.
199-K-179	1.3	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KR-4 P&T System, as documented in ECF-HANFORD-16-0061.
199-K-180	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KX P&T System, as documented in ECF-HANFORD-16-0061.
199-K-206	1.2	µg/L	2015	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Average 2015 P&T Effluent concentration for 100-KW P&T System, as documented in ECF-HANFORD-16-0061.
66-D	3.8	µg/L	2013	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2013 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
68-D	2	µg/L	2013	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2013 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-58-24	5	µg/L	2013	Chromium (Filtered Total)	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2013 filtered total chromium annual average to bound the ≥ 2.5 µg/L plume
699-60-32	2.83	µg/L	2010	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2010 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-60-60	11.8	µg/L	2012	Chromium (Filtered Total)	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2012 filtered total chromium annual average to bound the ≥ 2.5 µg/L plume

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
699-61-62	3.7	µg/L	2011	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2011 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-61-66	2	µg/L	2011	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2011 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-62-31	5	µg/L	2012	Chromium (Filtered Total)	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2012 filtered total chromium annual average to bound the ≥ 2.5 µg/L plume
699-63-25A	2	µg/L	2010	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2010 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-63-55	16.8	µg/L	2012	Chromium (Filtered Total)	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2012 filtered total chromium annual average to bound the ≥ 2.5 µg/L plume
699-63-90	5	µg/L	2013	Chromium (Filtered Total)	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2013 filtered total chromium annual average to bound the ≥ 2.5 µg/L plume
699-64-27	5	µg/L	2013	Chromium (Filtered Total)	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2013 filtered total chromium annual average to bound the ≥ 2.5 µg/L plume
699-64-62	5	µg/L	2013	Chromium (Filtered Total)	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2012 filtered total chromium annual average to bound the ≥ 2.5 µg/L plume
699-65-50	5.9	µg/L	2013	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2018 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-65-72	6.75	µg/L	2012	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2014 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
699-66-23	5	µg/L	2018	Chromium (Filtered Total)	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2013 filtered total chromium annual average to bound the ≥ 2.5 µg/L plume
699-66-64	2.75	µg/L	2014	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2014 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-67-86	2.78	µg/L	2010	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2010 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-68-105	1	µg/L	2014	Chromium (Filtered Total)	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2014 filtered total chromium annual average to bound the ≥ 2.5 µg/L plume
699-71-52	5.4	µg/L	2017	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2017 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-72-92	2.8	µg/L	2010	Hexavalent Chromium	100-FR-3;100-BC-5;100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2010 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-73-61	2	µg/L	2014	Hexavalent Chromium	100-FR-3;100-BC-5; 100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2014 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-74-44	1.5	µg/L	2017	Hexavalent Chromium	100-FR-3;100-KR-4; 100-NR-2;100-HR-3-D; 100-HR-3-H	1	Was not sampled during 2015 including the 2017 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-77-36	2	µg/L	2010	Hexavalent Chromium	100-FR-3;100-KR-4; 100-NR-2;100-HR-3-D; 100-HR-3-H	1	Was not sampled during 2015 including the 2010 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-77-54	24.35	µg/L	2013	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2014 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
699-81-38	1.5	µg/L	2014	Hexavalent Chromium	100-FR-3	1	Was not sampled during 2015 including the 2014 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-81-58	2	µg/L	2010	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	This location historically exhibited concentration below 10 µg/L since about 1993 and the last measurement in 2010 was 2 µg/L, as documented in ECF-HANFORD-16-0061.
699-83-47	21.95	µg/L	2014	Hexavalent Chromium	100-FR-3	1	Was not sampled during 2015 including the 2014 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-84-59	2	µg/L	2013	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Was not sampled during 2015 including the 2013 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
699-93-48C	1.9	µg/L	2015	Hexavalent Chromium	100-HR-3-D; 100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-DX P&T System, as documented in ECF-HANFORD-16-0061.
699-95-45B	1	µg/L	2015	Hexavalent Chromium	100-HR-3-D; 100-HR-3-H	1	Average 2015 P&T Effluent concentration for 100-HX P&T System, as documented in ECF-HANFORD-16-0061.
C6328	5.25	µg/L	2015	Hexavalent Chromium	100-HR-3-D;100-NR-2	1	Was not sampled during low river stage 2015 including the annual average 2015 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
C6331	3.9	µg/L	2013	Hexavalent Chromium	100-HR-3-D;100-NR-2	1	Was not sampled during 2015 including the 2013 hexavalent chromium annual average to bound the ≥ 2.5 µg/L plume
CP_100AGWM_1	2.5	µg/L	N/A	Hexavalent Chromium	100-HR-3-D; 100-HR-3-H	3	Included to bound the ≥5 µg/L plume
CP_100AGWM_2	2.5	µg/L	N/A	Hexavalent Chromium	100-HR-3-D; 100-HR-3-H	3	Included to bound the ≥5 µg/L plume

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
CP_100AGWM_3	5	µg/L	N/A	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	3	Included to bound the ≥5 µg/L plume
CP_100AGWM_10	13	µg/L	N/A	Hexavalent Chromium	100-HR-3-H	3	Included to bound the ≥5 µg/L plume
CP_100AGWM_11	3.5	µg/L	N/A	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	3	Included to bound the ≥5 µg/L plume
CP_100AGWM_13	4	µg/L	N/A	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	3	Included to bound the ≥5 µg/L plume
CP_100AGWM_16	1.5	µg/L	N/A	Hexavalent Chromium	100-HR-3-D; 100-HR-3-H; 100-KR-4;100-NR-2	3	Included to bound the ≥5 µg/L plume
CP_100AGWM_20	1.5	µg/L	N/A	Hexavalent Chromium	100-HR-3-D; 100-HR-3-H	3	Included to bound the ≥5 µg/L plume
CP_100AGWM_22	2.5	µg/L	N/A	Hexavalent Chromium	100-HR-3-D; 100-HR-3-H; 100-FR-3	3	Included to bound the ≥5 µg/L plume
CP_2014_5	5	µg/L	N/A	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	1	Eastern side of the Cr{VI) plume in the vicinity of KE reactor. These points are intended to constrain expansion of the Cr{VI) plume in the upgradient direction and the concentrations are consistent with nearby well measurements, as documented in ECF-HANFORD-16-0061.
CP_2014_6	5	µg/L	N/A	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	3	Eastern side of the Cr{VI) plume in the vicinity of KE reactor. These points are intended to constrain expansion of the hexavalent chromium plume in the upgradient direction and the concentrations are consistent with nearby well measurements, as documented in ECF-HANFORD-16-0061.

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
CP_2014_7	5	µg/L	N/A	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	3	Eastern side of the hexavalent chromium plume in the vicinity of KE reactor. These points are intended to constrain expansion of the hexavalent chromium plume in the upgradient direction and the concentrations are consistent with nearby well measurements, as documented in ECF-HANFORD-16-0061.
CP_2014_8	5	µg/L	N/A	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	3	Eastern side of the hexavalent chromium plume in the vicinity of KE reactor. These points are intended to constrain expansion of the hexavalent chromium plume in the upgradient direction and the concentrations are consistent with nearby well measurements, as documented in ECF-HANFORD-16-0061.
CP_2014_70	1.9	µg/L	N/A	Hexavalent Chromium	100-KR-4;100-NR-2;100-KW	3	Eastern side of the hexavalent chromium plume in the vicinity of KE reactor. These points are intended to constrain expansion of the hexavalent chromium plume in the upgradient direction and the concentrations are consistent with nearby well measurements, as documented in ECF-HANFORD-16-0061.
CP_2016_6	5	µg/L	N/A	Hexavalent Chromium	100-FR-3	1	Control point used to constrain area above 10 µg/L that was generated by data interpolation process in area that was not supported by data (south of well 199-F8-7), as documented in ECF-HANFORD-16-0061.
CP_2016_7	60	µg/L	N/A	Hexavalent Chromium	100-HR-3-D; 100-HR-3-H	3	Location added to make continuous area above 48 µg/L between wells 199-H1-45 and 199-H1-7 based on inferred groundwater flow direction during low river stage, as documented in ECF-HANFORD-16-0061.

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
CP30	0	µg/L	N/A	Hexavalent Chromium	100-BC-5	2	Geologic Control to represent boundary where basalt is present above water table
CP31	0	µg/L	N/A	Hexavalent Chromium	100-BC-5	2	Geologic Control to represent boundary where basalt is present above water table
CP32	0	µg/L	N/A	Hexavalent Chromium	100-BC-5	2	Geologic Control to represent boundary where basalt is present above water table
CP33	0	µg/L	N/A	Hexavalent Chromium	100-BC-5	2	Geologic Control to represent boundary where basalt is present above water table, as documented in ECF-HANFORD-16-0061.
CP34	0	µg/L	N/A	Hexavalent Chromium	100-BC-5	2	Geologic Control to represent boundary where basalt is present above water table, as documented in ECF-HANFORD-16-0061.
CP35	0	µg/L	N/A	Hexavalent Chromium	100-BC-5	2	Geologic Control to represent boundary where basalt is present above water table, as documented in ECF-HANFORD-16-0061.
CP36	0	µg/L	N/A	Hexavalent Chromium	100-BC-5	2	Geologic Control to represent boundary where basalt is present above water table, as documented in ECF-HANFORD-16-0061.
CP41	0	µg/L	N/A	Hexavalent Chromium	100-BC-5	2	Geologic Control. Value selected to represent inferred paleochannel with expected low concentration, as documented in ECF-HANFORD-16-0061.
CP42	0	µg/L	N/A	Hexavalent Chromium	100-BC-5	2	Geologic Control. Value selected to represent inferred paleochannel with expected low concentration, as documented in ECF-HANFORD-16-0061.

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
Rwic (RUM-2) Aquifer							
199-D7-7	4.03	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
199-D11-1	4.78	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
199-H1-50	3.83	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
199-H3-12	354.70	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
199-H3-13	335.28	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
199-H3-22	321.22	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
199-H3-28	49.58	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
199-H3-29	153.50	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
199-H3-30	141.67	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
199-H3-31	85.40	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
199-H3-32	233.27	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
199-H4-94	14.80	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
199-H7-1	1.90	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
699-95-45C	2.67	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
699-95-48B	4.99	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
699-95-48C	3.02	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
699-96-42B	2.50	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
699-97-47D	2.81	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
699-97-60	51.30	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
699-98-50	23.06	µg/L	2020	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	1	This well was not present or sampled in 2015 annual average for 2020 was included to bound ≥2.5µg/L plume.
CP_100AGWM_15	0	µg/L	N/A	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	3	Bound plume extent in the Rwic (RUM-2) southeast of 100-D.

Table A-5. Other Input Data Used in the Interpolation

Name	Value	Unit	Year	Contaminant	Mapping Area/Plume	Data Type	Reason
CP_100AGWM_24	0.5	µg/L	N/A	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	3	Bound plume extent in the Rwic (RUM-2) southeast of 100-D.
CP_100AGWM_25	0.5	µg/L	N/A	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	3	Bound plume extent in the Rwic (RUM-2) southeast of 100-D.
CP_100AGWM_26	0.5	µg/L	N/A	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	3	Bound plume extent in the Rwic (RUM-2) southeast of 100-D.
CP_100AGWM_27	0.5	µg/L	N/A	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	3	Bound plume extent in the Rwic (RUM-2) southeast of 100-D.
CP_2022_20	7.00	µg/L	N/A	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	3	Used to control the extent of the plume near the river, as described in ECF-HANFORD-25-0022.
CP_4	7.00	µg/L	N/A	Hexavalent Chromium	100-HR-3-H;100-HR-3-D	3	Bound plume extent in the RUM-2 southeast of 100-H, as described in ECF-HANFORD-25-0022.

References:

ECF-HANFORD-16-0061, 2016, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2015 Hanford Site Groundwater Monitoring Report.*

ECF-HANFORD-25-0022, 2025, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2024 Hanford Site Groundwater Monitoring Report.*

Notes:

Section 3.1.1 of the main text defines the variable Data Type.

A notation of N/A in the Year column denotes a control point that is not associated with a particular year.

HEIS: Hanford Environmental Information System

P&T: pump and treat

Rwic (RUM-2): Ringold Formation Wooded Island member unit C (Ringold Formation – 1st water-bearing Intra-RUM unit)

Table A-6. Details of New Type 1 Control Points

Name	Groundwater Interest Area	Type	Value	Year	Contaminant	Collection Purpose[a]	Nondetect Measurement Count	Detected Measurement Count	Total Measurements Count	Data Aggregation Method[b]
Unconfined Aquifer										
01-M	100-BC	Aquifer Tube	1.5	2015	Hexavalent Chromium	R	2	0	2	MEAN_VALOR_ND_SRL
11-D	200-BP	Aquifer Tube	8.05	2016	Hexavalent Chromium	R	0	2	2	MEAN_VALOR_ND_SRL
14-M	200-BP	Aquifer Tube	1.5	2017	Hexavalent Chromium	R	1	0	1	MEAN_VALOR_ND_SRL
199-F1-2	100-FR	Groundwater Well	2.52	2010	Hexavalent Chromium	R	2	4	6	MEAN_VALOR_ND_SRL
199-F7-2	100-FR	Groundwater Well	8	2014	Hexavalent Chromium	R	2	0	2	MEAN_VALOR_ND_SRL
199-F8-4	100-FR	Groundwater Well	8	2014	Hexavalent Chromium	R	2	0	2	MEAN_VALOR_ND_SRL
66-D	100-FR	Aquifer Tube	3.8	2013	Hexavalent Chromium	R	0	1	1	MEAN_VALOR_ND_SRL
68-D	100-FR	Aquifer Tube	2	2013	Hexavalent Chromium	R	2	0	2	MEAN_VALOR_ND_SRL
699-58-24	100-FR	Groundwater Well	5	2013	Chromium (Filtered Total)	R	1	0	1	MEAN_VALOR_ND_SRL
699-60-32	100-FR	Groundwater Well	2.83	2010	Hexavalent Chromium	R	0	6	6	MEAN_VALOR_ND_SRL
699-60-60	200-BP	Piezometer	11.8	2012	Chromium (Filtered Total)	R	0	1	1	MEAN_VALOR_ND_SRL
699-61-62	200-BP	Groundwater Well	3.7	2011	Hexavalent Chromium	R	2	0	2	MEAN_VALOR_ND_SRL
699-61-66	200-BP	Groundwater Well	2	2011	Hexavalent Chromium	R	2	0	2	MEAN_VALOR_ND_SRL
699-62-31	100-FR	Groundwater Well	5	2012	Chromium (Filtered Total)	R	1	0	1	MEAN_VALOR_ND_SRL

Table A-6. Details of New Type 1 Control Points

Name	Groundwater Interest Area	Type	Value	Year	Contaminant	Collection Purpose[a]	Nondetect Measurement Count	Detected Measurement Count	Total Measurements Count	Data Aggregation Method[b]
699-63-25A	100-FR	Groundwater Well	2	2010	Hexavalent Chromium	R	6	0	6	MEAN_VALOR_ND_SRL
699-63-55	200-BP	Groundwater Well	16.8	2012	Chromium (Filtered Total)	R	0	1	1	MEAN_VALOR_ND_SRL
699-63-90	100-BC	Groundwater Well	5	2013	Chromium (Filtered Total)	R	1	0	1	MEAN_VALOR_ND_SRL
699-64-27	100-FR	Groundwater Well	5	2013	Chromium (Filtered Total)	R	1	0	1	MEAN_VALOR_ND_SRL
699-64-62	200-BP	Groundwater Well	5	2012	Chromium (Filtered Total)	R	1	0	1	MEAN_VALOR_ND_SRL
699-65-50	200-BP	Groundwater Well	5.9	2018	Hexavalent Chromium	R	0	1	1	MEAN_VALOR_ND_SRL
699-65-72	200-BP	Groundwater Well	6.75	2014	Hexavalent Chromium	R	0	2	2	MEAN_VALOR_ND_SRL
699-66-23	100-FR	Piezometer	5	2013	Chromium (Filtered Total)	R	1	0	1	MEAN_VALOR_ND_SRL
699-66-64	200-BP	Groundwater Well	2.75	2014	Hexavalent Chromium	R	0	2	2	MEAN_VALOR_ND_SRL
699-67-86	100-BC	Groundwater Well	2.78	2010	Hexavalent Chromium	R	4	2	6	MEAN_VALOR_ND_SRL
699-68-105	100-BC	Groundwater Well	1	2014	Chromium (Filtered Total)	R	1	0	1	MEAN_VALOR_ND_SRL
699-71-52	100-FR	Groundwater Well	5.4	2017	Hexavalent Chromium	R	0	2	2	MEAN_VALOR_ND_SRL
699-72-92	100-BC	Piezometer	2.8	2010	Hexavalent Chromium	R	4	2	6	MEAN_VALOR_ND_SRL

Table A-6. Details of New Type 1 Control Points

Name	Groundwater Interest Area	Type	Value	Year	Contaminant	Collection Purpose[a]	Nondetect Measurement Count	Detected Measurement Count	Total Measurements Count	Data Aggregation Method[b]
699-73-61	100-KR	Groundwater Well	2	2014	Hexavalent Chromium	R	2	0	2	MEAN_VALOR_ND_SRL
699-74-44	100-FR	Groundwater Well	1.5	2017	Hexavalent Chromium	R	2	0	2	MEAN_VALOR_ND_SRL
699-77-36	100-FR	Groundwater Well	2	2010	Hexavalent Chromium	R	6	0	6	MEAN_VALOR_ND_SRL
699-77-54	100-FR	Groundwater Well	24.4	2014	Hexavalent Chromium	R	0	2	2	MEAN_VALOR_ND_SRL
699-81-38	100-FR	Groundwater Well	1.5	2014	Hexavalent Chromium	R	2	2	0	MEAN_VALOR_ND_SRL
699-83-47	100-FR	Groundwater Well	21.95	2014	Hexavalent Chromium	R	0	2	2	MEAN_VALOR_ND_SRL
699-84-59	100-NR	Groundwater Well	2	2013	Hexavalent Chromium	R	1	1	0	MEAN_VALOR_ND_SRL
C6328	100-NR	Aquifer Tube	5.25	2015	Hexavalent Chromium	R	0	2	2	MEAN_VALOR_ND_SRL + MAX OF GROUP 59
C6331	100-NR	Aquifer Tube	3.9	2013	Hexavalent Chromium	R	0	1	1	MEAN_VALOR_ND_SRL + MAX OF GROUP 58
Rwic (RUM-2) Aquifer										
199-D11-1	100-HR-D	Groundwater Well	4.78	2020	Hexavalent Chromium	C	1	2	3	MAX_VALOR_ND_SRL
199-D7-7	100-HR-D	Groundwater Well	4.03	2020	Hexavalent Chromium	C	0	3	3	MAX_VALOR_ND_SRL
199-H1-50	100-HR-H	Groundwater Well	3.83	2020	Hexavalent Chromium	R	0	3	3	MEAN_VALOR_ND_SRL
199-H3-12	100-HR-H	Groundwater Well	354.67	2020	Hexavalent Chromium	R	0	3	3	MEAN_VALOR_ND_SRL
199-H3-13	100-HR-H	Groundwater Well	335.28	2020	Hexavalent Chromium	R	0	4	4	MEAN_VALOR_ND_SRL

Table A-6. Details of New Type 1 Control Points

Name	Groundwater Interest Area	Type	Value	Year	Contaminant	Collection Purpose[a]	Nondetect Measurement Count	Detected Measurement Count	Total Measurements Count	Data Aggregation Method[b]
199-H3-22	100-HR-H	Groundwater Well	321.22	2020	Hexavalent Chromium	R	0	9	9	MEAN_VALOR_ND_SRL
199-H3-28	100-HR-H	Groundwater Well	49.58	2020	Hexavalent Chromium	R	0	6	6	MEAN_VALOR_ND_SRL
199-H3-29	100-HR-H	Groundwater Well	153.5	2020	Hexavalent Chromium	R	0	10	10	MEAN_VALOR_ND_SRL
199-H3-30	100-HR-H	Groundwater Well	141.67	2020	Hexavalent Chromium	R	0	3	3	MEAN_VALOR_ND_SRL
199-H3-31	100-HR-H	Groundwater Well	85.4	2020	Hexavalent Chromium	C	0	4	4	MAX_VALOR_ND_SRL
199-H3-32	100-HR-H	Groundwater Well	233.27	2020	Hexavalent Chromium	R	0	3	3	MEAN_VALOR_ND_SRL
199-H4-94	100-HR-H	Groundwater Well	14.8	2020	Hexavalent Chromium	C	0	3	3	MAX_VALOR_ND_SRL
199-H7-1	100-HR-H	Groundwater Well	1.9	2020	Hexavalent Chromium	R	4	0	4	MEAN_VALOR_ND_SRL
699-95-45C	100-HR-H	Groundwater Well	2.67	2020	Hexavalent Chromium	R	2	1	3	MEAN_VALOR_ND_SRL
699-95-48B	100-HR-D	Groundwater Well	4.99	2020	Hexavalent Chromium	C	1	2	3	MAX_VALOR_ND_SRL
699-95-48C	100-HR-D	Groundwater Well	3.02	2020	Hexavalent Chromium	C	2	2	4	MAX_VALOR_ND_SRL
699-96-42B	100-HR-H	Groundwater Well	2.5	2020	Hexavalent Chromium	R	1	0	1	MEAN_VALOR_ND_SRL
699-97-47D	100-HR-H	Groundwater Well	2.81	2020	Hexavalent Chromium	C	3	2	5	MAX_VALOR_ND_SRL

Table A-6. Details of New Type 1 Control Points

Name	Groundwater Interest Area	Type	Value	Year	Contaminant	Collection Purpose[a]	Nondetect Measurement Count	Detected Measurement Count	Total Measurements Count	Data Aggregation Method[b]
699-97-60	100-HR-H	Groundwater Well	51.3	2020	Hexavalent Chromium	R	0	2	2	MEAN_VALOR_ND_SRL
699-98-50	100-HR-D	Groundwater Well	23.06	2020	Hexavalent Chromium	C	0	3	3	MAX_VALOR_ND_SRL

Notes:

a. A collection purpose of “C” is defined as characterization and “R” is defined as routine in HNF-38155, *Hanford Environmental Information System (HEIS): Sample, Result, Sampling Site and Well Table Data Dictionary.*

b. This defines how individual sample measurements are combined to derive the single representative value used in the interpolation and is described in more detail in Section 3.2 of the main text.

Rwic (RUM-2): Ringold Formation Wooded Island member unit C (Ringold Formation – 1st water-bearing Intra-RUM unit)

Table A-7. Interpolation Dataset Used for Plume Delineation

Due to the large number of records in the file (662 records), Table A-7 is in electronic format only. Table A-7 is archived to the Hanford Site's internal file directory referenced under this Environmental Calculation File number and revision (ECF-HANFORD-25-0108, Rev. 0) in the Environmental Model Management Archive.

A2 References

CP-64995, 2021, *Geoframework Model of the Hanford Site 100 Area*, Rev. 1, Central Plateau Cleanup Company, Richland, Washington. Available at: https://pdw.hanford.gov/document/AR-18528.

CP-64995, 2025, *Geoframework Model of the Hanford Site 100 Area,* Rev. 2, Central Plateau Cleanup Company, Richland, Washington. Available at: https://pdw.hanford.gov/document/AR-37122.

ECF-HANFORD-16-0061, 2016, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2015 Hanford Site Groundwater Monitoring Report*, Rev. 0, CH2M HILL Plateau Remediation Company, Richland, Washington. Available at: https://pdw.hanford.gov/document/0075373H.

ECF-HANFORD-25-0022, 2025, *Calculation and Depiction of Groundwater Contamination for the Calendar Year 2024 Hanford Site Groundwater Monitoring Report*, Rev. 0, Central Plateau Cleanup Company, Richland, Washington. Available at: https://pdw.hanford.gov/document/AR-36792.

HNF-38155, 2025, *Hanford Environmental Information System* (*HEIS): Sample, Result, Sampling Site and Well Table Data Dictionary*, Rev. 3, Central Plateau Cleanup Company, Richland, Washington. Available at: https://ehs.hanford.gov/eda/textreport/openfile?title=HNF-38155_-_Rev_03.pdf.

Appendix B

Kriging Interpolation Inputs per Groundwater Interest Area

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100-HR-3-H_Hexavalent Chromium_LO.dat B-14

100-KR-4-KE_Hexavalent Chromium_LO.dat B-21

100-KR-4-KN_Hexavalent Chromium_LO.dat B-28

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B1 Introduction

This appendix contains the kriging input files used to create the groundwater hexavalent chromium plume maps shown in Chapter 7. The kriging input files contain kriging parameters for the transform type, minimum range, maximum range, and angle along with concentration thresholds (line 10) and their corresponding probabilities (line 11) for kriging input files using multiple indicator kriging. The contents of this appendix are also archived to the Hanford Site's internal file directory referenced under this Environmental Calculation File number and revision (ECF-HANFORD-25-0108, Rev. 0) in the Environmental Model Management Archive.

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100-BC-5_Hexavalent Chromium_LO.dat

```
VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                          \nst, nugget effect
1    0.078    40.0    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
11  3
  5  8   10     20     48   52.5   100    500   1000   2000   5000
0.99999  .5    0.5  0.5  0.1  0.5   0.5  0.5  0.5  0.5  0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,FILTERED,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
562697.66,146033.08,1.5,01-M,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
564077.43,145469.25,1.5,03-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 131,100-BC
565293.93,145412.05,45,06-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 133,100-BC
566862.63,145903.91,8.05,11-D,_2016,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
567231.72,146055.17,8.7,12-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 124,200-BP
567870,146429,1.5,14-M,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
564086.52,145264.56,11,199-B2-13,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
565095.99,145232.26,25,199-B2-14,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
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565899.57,145369.04,22.5,199-B3-46,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
565388.66,145368.95,49.75,199-B3-47,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-BC
566028.9,145058.21,16,199-B3-50,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
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565289.81,144791.53,30,199-B4-1,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
564969.25,144313.98,13.75,199-B4-14,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-BC
566132.01,144479.91,12,199-B4-16,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
565398.86,144382.85,28.5,199-B4-7,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
565578.45,144653.79,29.5,199-B4-8,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
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564170.23,144520.06,2.5,199-B5-14,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
565405.43,144939.7,32.5,199-B5-2,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
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564498.83,144157.79,2.95,199-B8-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
565276.43,144054.45,8.75,199-B8-9,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
565534.79,144078.08,11,199-B9-2,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
565667.36,144046.72,11,199-B9-3,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
580011.04,148805.3,2.516666667,199-F1-2,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
581475.93,147541.82,3.8,66-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
581758.43,147085.18,2,68-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
582308.82,141345.92,5,699-58-24,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580115.08,141901.98,2.833333333,699-60-32,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
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582315.48,142798,2,699-63-25A,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
573094.39,142562.32,16.8,699-63-55,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
562367.22,142612.35,5,699-63-90,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
581375.46,142946.08,5,699-64-27,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
571055.77,142913.86,5,699-64-62,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
574590.79,143187.85,5.9,699-65-50,_2018,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
567883.67,143107.92,6.75,699-65-72,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
564590.47,143249.09,8,699-65-83,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-BC
582864.76,143617.19,5,699-66-23,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
570290.74,143734.12,2.75,699-66-64,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
563661.65,143873.05,2.783333333,699-67-86,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
557803.35,144206.12,1,699-68-105,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
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567551.54,145418.78,8.75,699-72-73,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,200-BP
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564308.89,145379.94,4.95,AT-B-1-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 137,100-BC
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565130.48,145397.27,22,AT-B-3-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 135,100-BC
566438.06,145746.81,12,AT-B-5-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 126,100-BC
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564994.21,145388.39,24,C7719,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 136,100-BC
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565752.63,145558.52,13.5,C7782,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 129,100-BC
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567080.5,141906.5,0,CP31,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 2,
566355.13,142124.11,0,CP32,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 2,
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564505.41,142686.28,0,CP35,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 2,
563852.57,142867.62,0,CP36,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 2,
563781,142732,0,CP41,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 2,
565715,142355,0,CP42,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 2,

100-FR-3_Hexavalent Chromium_LO.dat

```
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
     1000.0 500.0    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
10  3
  5    10    20    48  51.0   100    480   1000   2000   4800
0.99999 0.8  0.5  0.5  0.5 0.5  0.5  0.5  0.5  0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,FILTERED,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
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580011.04,148805.3,2.516666667,199-F1-2,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
581250.12,147736.87,3.1,199-F5-1,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-FR
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581183.87,147948.07,2.9,199-F5-43A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
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580706.88,147683.92,11,199-F5-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
580841.34,147781.51,50.5,199-F5-46,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
580495.51,147508.45,13,199-F5-47,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
580517.58,147690.1,18,199-F5-48,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
580672.81,148143.82,6.15,199-F5-52,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
581145.51,147576.44,9.05,199-F5-54,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
581076.1,147797.57,1.5,199-F5-55,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-FR
580440.62,147556.36,13.5,199-F5-56,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
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581375.87,147564.51,2,199-F6-1,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
579687.17,147022.43,4.46,199-F7-1,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-FR
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579884.71,147112.53,6.82,199-F7-3,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-FR
580373.89,147468.47,2.55,199-F8-2,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
580958.51,147123.53,8,199-F8-4,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580242.91,147116.74,9.7,199-F8-7,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-FR
580387.63,148586.32,3.4,62-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 93,100-FR
581118.76,148037.98,2.65,64-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 97,100-FR
581475.93,147541.82,3.8,66-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
581616.35,147291.43,1.5,67-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 111,100-FR
581758.43,147085.18,2,68-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
582308.82,141345.92,5,699-58-24,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580115.08,141901.98,2.833333333,699-60-32,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
571588.58,141763.91,11.8,699-60-60,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
570914.86,141921.66,3.7,699-61-62,_2011,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
569787.59,142007.96,2,699-61-66,_2011,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
580302.6,142532.47,5,699-62-31,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
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582315.48,142798,2,699-63-25A,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
573094.39,142562.32,16.8,699-63-55,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
562367.22,142612.35,5,699-63-90,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
581375.46,142946.08,5,699-64-27,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
571055.77,142913.86,5,699-64-62,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
574590.79,143187.85,5.9,699-65-50,_2018,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
567883.67,143107.92,6.75,699-65-72,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
582864.76,143617.19,5,699-66-23,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
570290.74,143734.12,2.75,699-66-64,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
563661.65,143873.05,2.783333333,699-67-86,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
557803.35,144206.12,1,699-68-105,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
580603.35,145226.91,5.5,699-71-30,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-FR
573907.9,145214.84,5.4,699-71-52,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
561839.42,145359.75,2.8,699-72-92,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
571420.82,145781.53,2,699-73-61,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
576393.09,146098.78,1.5,699-74-44,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
578847.21,146868.94,2,699-77-36,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
578172.35,148241.56,1.5,699-81-38,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
575492.04,148705.25,21.95,699-83-47,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
575492.04,148705.25,21.95,699-83-47,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
577015.89,149603.91,7.75,699-86-42,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
576955.15,150059.12,17,699-87-42A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-FR
577221.55,150333.76,11.5,699-88-41,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
582600.48,145608.44,1.5,74-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 128,100-FR
582793.49,145283.99,5.75,75-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 142,100-FR
582878.75,145087.33,3.8,76-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 143,100-FR
582957.22,144889.26,5.9,77-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 144,100-FR
580942.3,148180.04,4.4,C6303,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 218,100-FR
581251.35,147924,2.35,C6306,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 101,100-FR
581294.05,147874.11,2.8,C6309,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 219,100-FR
581354.49,147761.41,2.25,C6315,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 105,100-FR
575031.6,149636.53,2.5,CP_100AGWM_2,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
576834.44,148528.14,2.5,CP_100AGWM_22,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-BC
580131,146944,5,CP_2016_6,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,

100-HR-3-D_Hexavalent Chromium_LO.dat

VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1 0.0 \nst, nugget effect
1 0.05 -40. 0.0 0.0 \it,cc,ang1,ang2,ang3
2150. 2150. 0.0 \a_hmax, a_hmin, a_vert
THICK POROS ACTIVITY NINTERVAL INTERVALS
32.809 0.25 2.83E-08 9
0.99 1.99 2.50 3.50 4.50 5.50 6.50 7.50 8.50
TRANSFORM MIK BACKTRAN
9 3
1 5 10 20 48 60 100 150 175
0.9 0.9 0.35 0.1 0.5 0.5 0.5 0.5 0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,FILTERED,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
573328.16,151120.73,1.85,199-D2-11,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
573000.21,151119.86,3.65,199-D2-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572453.96,151165.65,8,199-D3-2,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572787.66,150994.54,5.5,199-D3-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572752.85,151558.89,14,199-D4-1,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572800.1,151425.94,13,199-D4-101,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
572665.86,151424.47,30.5,199-D4-13,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572839.81,151641.64,14,199-D4-14,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
572936.64,151424.86,8.25,199-D4-15,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572559.35,151282.04,1.5,199-D4-19,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572794.04,151257.47,32.5,199-D4-20,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572788.45,151539.29,32,199-D4-22,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572672.46,151592.87,2.15,199-D4-23,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
572711.44,151476.24,59.5,199-D4-25,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572712.33,151488.88,1.5,199-D4-26,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572724.23,151493.48,49.5,199-D4-27,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572749.47,151528,21,199-D4-31,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572790.87,151573.75,11.5,199-D4-32,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572804.6,151590.03,25.25,199-D4-34,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
572818.19,151606.22,46.5,199-D4-36,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572671.32,151537.86,16.2125,199-D4-38,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
572747.45,151650.84,5.525,199-D4-39,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-HR-D
572754.61,151571.61,9.75,199-D4-4,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572881.3,151703.46,13.5,199-D4-48,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572740.54,151556.5,16.5,199-D4-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572659.03,151414.64,91.5,199-D4-55,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572733.34,151577.92,1.7,199-D4-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
572619.52,151351.07,6.8,199-D4-62,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572594.77,151329.74,1.5,199-D4-65,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572760.87,151551.25,1.5,199-D4-7,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572513.33,151231.01,7.8,199-D4-77,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572511.28,151218.26,14.5,199-D4-78,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572859.43,151723.42,14.6666666666667,199-D4-83,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
572568.04,151433.52,6,199-D4-84,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-HR-D
572486.16,151324.2,8.75,199-D4-85,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
572389.06,151202.14,10.05,199-D4-86,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D

572714.05,151486.31,1.5,199-D4-92,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572710.39,151491.2,1.5,199-D4-93,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572612.82,151226.7,15.5,199-D4-95,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
572777.03,151519.78,33,199-D4-96,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
572906.23,151625.33,11.1666666666667,199-D4-97,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
572574.52,151481.65,4.26666666666667,199-D4-98,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-HR-D
572527.36,151377.08,3.01666666666667,199-D4-99,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-HR-D
572943.04,151521.52,24.6666666666667,199-D5-101,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573505.87,151460.87,65.6,199-D5-103,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-HR-D
573265.48,151422.43,198.925925925926,199-D5-104,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,27,27,MEAN_VALOR_ND_SRL,100-HR-D
573503.74,151597.97,6.7,199-D5-106,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572932.37,151283.14,1.5,199-D5-107,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572923.34,151222.9,7.7,199-D5-108,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572917.37,151285.57,1.5,199-D5-109,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572931.57,151277.61,1.5,199-D5-110,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572918.04,151223.75,6.7,199-D5-114,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572923.15,151221.12,5,199-D5-115,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573824.21,151639.41,17,199-D5-123,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573667.39,151746.18,37.75,199-D5-125,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
573705.71,151843.28,20.75,199-D5-126,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
572992.26,151428.31,10.8333333333333,199-D5-127,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573622.4,151237.35,1.9,199-D5-128,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573735.5,151465.13,1.9,199-D5-129,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573535.53,151955.18,120,199-D5-13,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
574039.2,151928.51,23.5,199-D5-130,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573684.39,152006.75,64.375,199-D5-131,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
573875.35,151586.87,15,199-D5-132,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573731.55,151497.37,3.45,199-D5-133,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573789.63,151787.99,17,199-D5-14,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573791.87,151563.26,4.95,199-D5-142,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
573701.53,151784.26,44.5,199-D5-143,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573215.62,151396.28,99,199-D5-145,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
573219.79,151345.59,13.1,199-D5-146,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-HR-D
572993.13,151380.78,15.75,199-D5-147,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
573361.48,151083.48,1.9,199-D5-148,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573738.61,151673.75,6,199-D5-15,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573329.77,151992.82,41.5,199-D5-153,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
573632.26,151831.74,44.5,199-D5-154,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
573474.25,151910.82,69.3333333333333,199-D5-159,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573917.45,151652.51,27.5,199-D5-16,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573730.52,151322.83,9.2,199-D5-17,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573861.7,151325.18,7.35,199-D5-18,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573849.12,151243.19,23,199-D5-19,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573239.97,152030.15,14.55,199-D5-20,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,12,12,MEAN_VALOR_ND_SRL,100-HR-D
573372.04,151903.39,27.8333333333333,199-D5-32,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573095.03,151714.54,10.5,199-D5-33,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573240.42,151554.12,312.516129032258,199-D5-34,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,31,31,MEAN_VALOR_ND_SRL,100-HR-D
572909.82,151746.32,7.35,199-D5-36,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573092.24,151916.37,9.35,199-D5-37,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572996.82,151545.59,10.375,199-D5-38,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-HR-D

573142.86,151428.43,95.5,199-D5-39,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,12,12,MEAN_VALOR_ND_SRL,100-HR-D
573003.26,151272.02,4.8,199-D5-40,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573358.16,151792.19,1.5,199-D5-41,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
573479.77,151622.67,1.9,199-D5-42,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573179.98,151269.43,3.7,199-D5-43,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572993.58,151835.74,1.9,199-D5-44,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573131.93,152009.82,20,199-D5-92,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573250.11,151302.47,3.9,199-D5-97,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
574129.87,151691.71,1.9,199-D6-1,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
574544.61,151970.2,1.9,199-D6-2,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
574159.09,151643.85,4.45,199-D6-3,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
574151.38,152363.41,4.7875,199-D7-3,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,7,MEAN_VALOR_ND_SRL,100-HR-D
574377.07,152369.64,1.9,199-D7-4,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
574434.31,152678.72,1.9,199-D7-5,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
574429.2,152980.43,4.4625,199-D7-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
574069.46,152262.43,12.5,199-D8-101,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573447.19,152090.21,145,199-D8-4,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573537.15,152243.5,4.25,199-D8-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573889.86,152452.26,5.88333333333333,199-D8-53,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,4,MEAN_VALOR_ND_SRL,100-HR-D
573781.17,152408.03,14,199-D8-54A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573620.95,152364.35,11.5714285714286,199-D8-55,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-HR-D
573711.67,152427.1,18.4285714285714,199-D8-68,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-HR-D
573843.61,152552.2,7.625,199-D8-69,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,7,MEAN_VALOR_ND_SRL,100-HR-D
573942.1,152508.74,3.8,199-D8-70,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
573837.1,152429.39,16,199-D8-71,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573570.48,152211.77,3.5,199-D8-72,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573388.7,152167.38,49.9230769230769,199-D8-73,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,13,13,MEAN_VALOR_ND_SRL,100-HR-D
573292.33,152141.26,6.2,199-D8-88,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,7,MEAN_VALOR_ND_SRL,100-HR-D
573478.64,152249.65,57.1666666666667,199-D8-89,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573948.64,152646.23,5.6625,199-D8-90,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,7,MEAN_VALOR_ND_SRL,100-HR-D
574036.89,152741.44,12.625,199-D8-91,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
573611.96,152160.61,313.608695652174,199-D8-95,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,23,23,MEAN_VALOR_ND_SRL,100-HR-D
573706,152152.24,151.375,199-D8-96,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
573859.56,152087.42,71.875,199-D8-97,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
574013.12,152123.02,21,199-D8-98,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
574006.77,152364.37,1.9,199-D8-99,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
580060.04,147770.4,8,199-F7-2,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580958.51,147123.53,8,199-F8-4,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
576702.31,153384.49,42.8333333333333,199-H1-1,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
576451.07,153378.26,46.6666666666667,199-H1-2,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
575706.04,154183.61,1,199-H1-20,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575896.84,154163.8,1,199-H1-21,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
576279.64,154069.97,1,199-H1-25,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
576403.86,154024.21,1,199-H1-27,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
576767.07,153766,20.5714285714286,199-H1-32,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,14,14,MEAN_VALOR_ND_SRL,100-HR-H
576833.29,153716.23,16.2642857142857,199-H1-33,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,14,14,MEAN_VALOR_ND_SRL,100-HR-H
576883.13,153667.06,20.25,199-H1-34,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
576958.26,153628.14,9.66666666666667,199-H1-35,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
576885.62,153486.51,43.875,199-H1-36,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577106.92,153641.63,3.77142857142857,199-H1-37,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,14,14,MEAN_VALOR_ND_SRL,100-HR-H

577161,153555.01,6.97857142857143,199-H1-38,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,14,14,MEAN_VALOR_ND_SRL,100-HR-H
577223.54,153533.4,6.76153846153846,199-H1-39,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,13,12,MEAN_VALOR_ND_SRL,100-HR-H
575826.78,153366.87,35,199-H1-4,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-HR-H
577279.34,153500.19,4.9,199-H1-40,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,8,MEAN_VALOR_ND_SRL,100-HR-H
577127.18,153391.65,65.6,199-H1-42,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-HR-H
577213.74,153384.28,32.75,199-H1-43,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577240.96,153062.41,54.75,199-H1-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
576986.9,153456.95,65.9,199-H1-46,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,C,4,4,MAX_VALOR_ND_SRL,100-HR-H
574850.72,153090.3,18,199-H1-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
576037.81,153745.74,1,199-H1-6,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577629.6,153172.1,2.05,199-H1-7,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,1,MEAN_VALOR_ND_SRL,100-HR-H
577410.36,152978.49,10.75,199-H3-25,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-H
577440.83,152846.5,3,199-H3-26,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-HR-H
577567.05,152811.14,1,199-H3-27,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577624.61,152750.07,1.5,199-H3-2A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_SRL,100-HR-H
577562.09,152363.17,8.4,199-H3-3,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577544.29,152293.21,10.2666666666667,199-H3-4,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
577454.7,152287.5,19.5,199-H3-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
578266.47,152425.33,1.5,199-H3-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
577931.74,152279.97,1.5,199-H3-7,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
577827.21,153155.81,3.1,199-H4-10,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-H
578141.91,152728.43,6.6,199-H4-11,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
578009.15,152912.73,3.35,199-H4-12A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
578219.3,152595.27,5.7,199-H4-13,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577904.31,153053.42,8.78333333333333,199-H4-15A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
577981.91,152591.57,1.5,199-H4-16,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
577779.18,153037.64,1,199-H4-17,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578018.29,152756.48,1,199-H4-18,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578060.86,152853.96,4.85714285714286,199-H4-4,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,14,14,MEAN_VALOR_ND_SRL,100-HR-H
578156.39,152433.39,2.225,199-H4-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,2,MEAN_VALOR_ND_SRL,100-HR-H
577883.86,152439.87,1.5,199-H4-46,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
577713.83,152445.15,5.8,199-H4-49,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577944.94,152939.78,4.35,199-H4-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577585.32,152888.39,1.5,199-H4-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
578185.83,152665.53,8.79,199-H4-63,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-HR-H
577946.11,153010.58,5,199-H4-64,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577998.26,152787.29,6.5,199-H4-65,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
578014.05,152686.66,2.0125,199-H4-69,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,7,MEAN_VALOR_ND_SRL,100-HR-H
578003.82,152646.45,1.47142857142857,199-H4-70,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,2,MEAN_VALOR_ND_SRL,100-HR-H
578010.64,152581.53,1,199-H4-71,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578036.28,152500.14,1,199-H4-72,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577940.58,152369.98,1,199-H4-73,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577239.07,152268.83,37,199-H4-74,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-HR-H
577212.36,152704.64,57.375,199-H4-75,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
576787.32,152976.85,56.6666666666667,199-H4-76,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_SRL,100-HR-H
576487.79,152975.43,26.125,199-H4-77,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
576168.23,152166.12,1,199-H4-78,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575659.13,151989.31,1,199-H4-79,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577860.69,152921.7,3.45,199-H4-8,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
575238.97,152568.16,19.25,199-H4-80,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D

575236.93,153035.36,24.5,199-H4-81,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
574906.99,152677.72,15.8,199-H4-82,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-HR-D
578135.04,152634.01,6,199-H4-83,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577902.58,152848.73,12.5,199-H4-84,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577980.02,152880.81,17,199-H4-85,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577704.55,152745.65,9.93333333333333,199-H4-86,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
576723.3,152233.84,18.75,199-H4-92,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-H
577025.75,152703.33,69.625,199-H4-93,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
576906.8,151646.31,9.8,199-H5-16,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577650.08,152257.72,9.025,199-H5-1A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-H
578236.56,152247.63,2.85,199-H6-1,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577886.5,152194.11,1,199-H6-2,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578340.4,151929.35,6.75,199-H6-3,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577771.59,151737.1,3.05,199-H6-4,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577704.08,151478.02,1,199-H6-7,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578205.59,151928.15,1,199-H6-8,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
573120.65,152146.43,3,36-S,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 35,100-HR-D
573471.85,152368.72,1.5,38-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 30,100-HR-D
577033.11,153810.53,1.5,44-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 7,100-HR-H
577597.84,153493.8,2.4,45-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 11,100-HR-H
578193.92,152743.53,2.75,47-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 21,100-HR-H
578465.52,152420.8,5.9,48-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 29,100-HR-H
578699.76,152232.86,4.5,49-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 33,100-HR-H
578611.82,152118.08,5.1,50-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 37,100-HR-H
578779.25,151843.76,22,51-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 41,100-HR-H
578919.48,151586.18,1.5,52-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 46,100-HR-H
579033.52,151231.94,3.15,54-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 53,100-HR-H
576675.9,154008.65,1.5,699-100-43B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
576032.4,154124.17,25.5,699-101-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576393.09,146098.78,1.5,699-74-44,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
578847.21,146868.94,2,699-77-36,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
578172.35,148241.56,1.5,699-81-38,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
572969.75,149903.97,14,699-87-55,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
579121.74,150543.51,11.75,699-89-35,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-H
578474.69,151031.32,2.9,699-90-37B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576169.25,151024.53,1.9,699-90-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-H
575910.95,151156.64,3.7,699-91-46A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-H
575094.13,151795.3,8.45,699-93-48A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
575312.13,151728.96,1.9,699-93-48C,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
577223.05,152111.68,13.5,699-94-41,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576625.6,152087.9,19,699-94-43,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576257,152556.28,1.5,699-95-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
576365.99,152780.01,1,699-95-45B,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575253.42,152323.05,17,699-95-48,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
574439.5,152528.59,6.05,699-95-51,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
576761.45,152605.31,46,699-96-43,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
573910.16,152656.22,9.3,699-96-52B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
577217.5,153090.38,54.5,699-97-41,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576859.84,152981.3,41.5,699-97-43B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576051.7,152978.95,61.5,699-97-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H

575408.55,153265.29,25,699-97-47B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
575247.59,152909.76,23,699-97-48B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
574468.12,153122.09,10.65,699-97-51A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
576863.24,153371.37,45.5,699-98-43,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
575726.86,153365.63,37.5,699-98-46,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
574823.37,153310.15,1.5,699-98-49A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
574339.32,153302.71,11,699-98-51,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
577283.99,153590.74,2.1,699-99-41,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576458.77,153592.4,31.5,699-99-44,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
572860.65,151852.07,1.5,AT-D-1-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 40,100-HR-D
573108.25,152129.78,1.55,AT-D-2-S,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 36,100-HR-D
573233.23,152224.32,2.35,AT-D-3-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 34,100-HR-D
572992.24,152039.56,1.5,AT-D-4-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 38,100-HR-D
573934.8,152850.6,1.5,AT-D-5-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 20,100-HR-D
578068.73,152955.06,2,AT-H-1-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 17,100-HR-H
578109.84,152896.44,2.1,AT-H-2-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 18,100-HR-H
578142.22,152853.07,5.7,AT-H-3-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,4,4,MEAN_VALOR_ND_SRL + MAX OF GROUP 19,100-HR-H
576390.6,154227.98,5.1,C5633,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 1,100-HR-H
576481.4,154179.43,3.7,C5636,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 2,100-HR-H
576634.08,154070.38,6.1,C5638,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 3,100-HR-H
576871.56,153916.62,13.5,C5641,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 5,100-HR-H
576960.87,153869.32,1.85,C5644,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 6,100-HR-H
577157.45,153736.67,1.5,C5673,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 8,100-HR-H
577278.65,153653.5,1.65,C5678,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 9,100-HR-H
577409.4,153593.79,2.3,C5680,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 10,100-HR-H
577699.79,153338.71,1.5,C5682,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 13,100-HR-H
572270.42,151242.23,13.3,C6267,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 52,100-HR-D
572332.3,151317.57,8.8,C6271,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 51,100-HR-D
572920.42,151926.86,1.5,C6272,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 39,100-HR-D
573337.49,152284.93,1.5,C6275,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 32,100-HR-D
573533.98,152428.19,3.25,C6278,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 28,100-HR-D
574056.82,153353.31,1.5,C6281,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 12,100-HR-D
576037.53,154364.5,7.7,C6286,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 0,100-HR-H
576783.38,153964.05,9.65,C6288,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 4,100-HR-H
578313.22,152575.13,2.1,C6297,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 24,100-HR-H
578585.36,152323.62,1.5,C6299,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 31,100-HR-H
571741.35,150541.11,5.25,C6328,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
571872.77,150720.49,3.9,C6331,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
572076.62,151002.47,6.25,C7647,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 56,100-HR-D
578271.58,152659.02,24,C7650,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,4,4,MEAN_VALOR_ND_SRL + MAX OF GROUP 23,100-HR-H
574525.82,150944.26,2.5,CP_100AGWM_1,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-NR
574277.61,153619.72,1.5,CP_100AGWM_16,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-HR
575031.6,149636.53,2.5,CP_100AGWM_2,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
575434.43,154381.55,1.5,CP_100AGWM_20,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-HR
576834.44,148528.14,2.5,CP_100AGWM_22,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-BC
577385,153158,60,CP_2016_7,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
573964.58,153015.37,7.9,DD-06-2,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 15,100-HR-D
573819.66,152683.58,3.2,DD-12-4,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 22,100-HR-D
573700.6,152547.32,8.25,DD-15-3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 25,100-HR-D
573651.17,152516.99,12.1,DD-16-4,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,4,4,MEAN_VALOR_ND_SRL + MAX OF GROUP 26,100-HR-D

573597.16,152483.3,3.45,DD-17-3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 27,100-HR-D
572606.55,151625.86,1.5,DD-39-1,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 44,100-HR-D
572532.89,151530.89,1.5,DD-41-1,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 47,100-HR-D
572486.19,151492.48,2.05,DD-42-4,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 48,100-HR-D
572450.5,151443.24,1.5,DD-43-2,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 49,100-HR-D
572412.68,151394.28,1.5,DD-44-3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 50,100-HR-D
572210.8,151163.3,16.5,DD-49-3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 54,100-HR-D
572172.63,151121.57,19.5,DD-50-2,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 55,100-HR-D
572716.34,151730.81,2.85,Redox-1-3.3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 42,100-HR-D
572636.66,151687.8,8.3,Redox-2-6.0,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 43,100-HR-D
572583.21,151603.03,1.5,Redox-3-3.3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 45,100-HR-D

100-HR-3-H_Hexavalent Chromium_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 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
11  3
1     5    10     20     48    100   315  480   1000   2000   4800
0.9  0.9     0.5  0.1      0.5  0.5  0.5     0.5   0.5     0.5  0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,FILTERED,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
573328.16,151120.73,1.85,199-D2-11,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
573000.21,151119.86,3.65,199-D2-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572453.96,151165.65,8,199-D3-2,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572787.66,150994.54,5.5,199-D3-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572752.85,151558.89,14,199-D4-1,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572800.1,151425.94,13,199-D4-101,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
572665.86,151424.47,30.5,199-D4-13,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572839.81,151641.64,14,199-D4-14,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
572936.64,151424.86,8.25,199-D4-15,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572559.35,151282.04,1.5,199-D4-19,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572794.04,151257.47,32.5,199-D4-20,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572788.45,151539.29,32,199-D4-22,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572672.46,151592.87,2.15,199-D4-23,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
572711.44,151476.24,59.5,199-D4-25,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572712.33,151488.88,1.5,199-D4-26,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572724.23,151493.48,49.5,199-D4-27,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572749.47,151528,21,199-D4-31,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572790.87,151573.75,11.5,199-D4-32,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572804.6,151590.03,25.25,199-D4-34,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
572818.19,151606.22,46.5,199-D4-36,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572671.32,151537.86,16.2125,199-D4-38,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
572747.45,151650.84,5.525,199-D4-39,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-HR-D
572754.61,151571.61,9.75,199-D4-4,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572881.3,151703.46,13.5,199-D4-48,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572740.54,151556.5,16.5,199-D4-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572659.03,151414.64,91.5,199-D4-55,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572733.34,151577.92,1.7,199-D4-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
572619.52,151351.07,6.8,199-D4-62,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572594.77,151329.74,1.5,199-D4-65,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572760.87,151551.25,1.5,199-D4-7,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572513.33,151231.01,7.8,199-D4-77,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572511.28,151218.26,14.5,199-D4-78,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572859.43,151723.42,14.6666666666667,199-D4-83,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
572568.04,151433.52,6,199-D4-84,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-HR-D
572486.16,151324.2,8.75,199-D4-85,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
572389.06,151202.14,10.05,199-D4-86,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
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572714.05,151486.31,1.5,199-D4-92,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572710.39,151491.2,1.5,199-D4-93,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572612.82,151226.7,15.5,199-D4-95,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
572777.03,151519.78,33,199-D4-96,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
572906.23,151625.33,11.1666666666667,199-D4-97,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
572574.52,151481.65,4.26666666666667,199-D4-98,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-HR-D
572527.36,151377.08,3.01666666666667,199-D4-99,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-HR-D
572943.04,151521.52,24.6666666666667,199-D5-101,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573505.87,151460.87,65.6,199-D5-103,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-HR-D
573265.48,151422.43,198.925925925926,199-D5-104,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,27,27,MEAN_VALOR_ND_SRL,100-HR-D
573503.74,151597.97,6.7,199-D5-106,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572932.37,151283.14,1.5,199-D5-107,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572923.34,151222.9,7.7,199-D5-108,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572917.37,151285.57,1.5,199-D5-109,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572931.57,151277.61,1.5,199-D5-110,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
572918.04,151223.75,6.7,199-D5-114,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572923.15,151221.12,5,199-D5-115,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573824.21,151639.41,17,199-D5-123,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573667.39,151746.18,37.75,199-D5-125,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
573705.71,151843.28,20.75,199-D5-126,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
572992.26,151428.31,10.8333333333333,199-D5-127,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573622.4,151237.35,1.9,199-D5-128,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573735.5,151465.13,1.9,199-D5-129,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573535.53,151955.18,120,199-D5-13,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
574039.2,151928.51,23.5,199-D5-130,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573684.39,152006.75,64.375,199-D5-131,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
573875.35,151586.87,15,199-D5-132,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573731.55,151497.37,3.45,199-D5-133,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573789.63,151787.99,17,199-D5-14,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573791.87,151563.26,4.95,199-D5-142,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
573701.53,151784.26,44.5,199-D5-143,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573215.62,151396.28,99,199-D5-145,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
573219.79,151345.59,13.1,199-D5-146,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-HR-D
572993.13,151380.78,15.75,199-D5-147,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
573361.48,151083.48,1.9,199-D5-148,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573738.61,151673.75,6,199-D5-15,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573329.77,151992.82,41.5,199-D5-153,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
573632.26,151831.74,44.5,199-D5-154,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
573474.25,151910.82,69.3333333333333,199-D5-159,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573917.45,151652.51,27.5,199-D5-16,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573730.52,151322.83,9.2,199-D5-17,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573861.7,151325.18,7.35,199-D5-18,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573849.12,151243.19,23,199-D5-19,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573239.97,152030.15,14.55,199-D5-20,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,12,12,MEAN_VALOR_ND_SRL,100-HR-D
573372.04,151903.39,27.8333333333333,199-D5-32,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573095.03,151714.54,10.5,199-D5-33,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573240.42,151554.12,312.516129032258,199-D5-34,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,31,31,MEAN_VALOR_ND_SRL,100-HR-D
572909.82,151746.32,7.35,199-D5-36,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573092.24,151916.37,9.35,199-D5-37,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572996.82,151545.59,10.375,199-D5-38,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-HR-D

573142.86,151428.43,95.5,199-D5-39,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,12,12,MEAN_VALOR_ND_SRL,100-HR-D
573003.26,151272.02,4.8,199-D5-40,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573358.16,151792.19,1.5,199-D5-41,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
573479.77,151622.67,1.9,199-D5-42,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573179.98,151269.43,3.7,199-D5-43,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572993.58,151835.74,1.9,199-D5-44,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573131.93,152009.82,20,199-D5-92,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573250.11,151302.47,3.9,199-D5-97,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
574129.87,151691.71,1.9,199-D6-1,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
574544.61,151970.2,1.9,199-D6-2,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
574159.09,151643.85,4.45,199-D6-3,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
574151.38,152363.41,4.7875,199-D7-3,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,7,MEAN_VALOR_ND_SRL,100-HR-D
574377.07,152369.64,1.9,199-D7-4,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
574434.31,152678.72,1.9,199-D7-5,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
574429.2,152980.43,4.4625,199-D7-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
574069.46,152262.43,12.5,199-D8-101,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573447.19,152090.21,145,199-D8-4,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573537.15,152243.5,4.25,199-D8-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573889.86,152452.26,5.88333333333333,199-D8-53,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,4,MEAN_VALOR_ND_SRL,100-HR-D
573781.17,152408.03,14,199-D8-54A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573620.95,152364.35,11.5714285714286,199-D8-55,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-HR-D
573711.67,152427.1,18.4285714285714,199-D8-68,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-HR-D
573843.61,152552.2,7.625,199-D8-69,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,7,MEAN_VALOR_ND_SRL,100-HR-D
573942.1,152508.74,3.8,199-D8-70,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
573837.1,152429.39,16,199-D8-71,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573570.48,152211.77,3.5,199-D8-72,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
573388.7,152167.38,49.9230769230769,199-D8-73,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,13,13,MEAN_VALOR_ND_SRL,100-HR-D
573292.33,152141.26,6.2,199-D8-88,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,7,MEAN_VALOR_ND_SRL,100-HR-D
573478.64,152249.65,57.1666666666667,199-D8-89,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-D
573948.64,152646.23,5.6625,199-D8-90,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,7,MEAN_VALOR_ND_SRL,100-HR-D
574036.89,152741.44,12.625,199-D8-91,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
573611.96,152160.61,313.608695652174,199-D8-95,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,23,23,MEAN_VALOR_ND_SRL,100-HR-D
573706,152152.24,151.375,199-D8-96,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
573859.56,152087.42,71.875,199-D8-97,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
574013.12,152123.02,21,199-D8-98,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
574006.77,152364.37,1.9,199-D8-99,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
580060.04,147770.4,8,199-F7-2,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580958.51,147123.53,8,199-F8-4,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
576702.31,153384.49,42.8333333333333,199-H1-1,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
576451.07,153378.26,46.6666666666667,199-H1-2,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
575706.04,154183.61,1,199-H1-20,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575896.84,154163.8,1,199-H1-21,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
576279.64,154069.97,1,199-H1-25,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
576403.86,154024.21,1,199-H1-27,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
576767.07,153766,20.5714285714286,199-H1-32,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,14,14,MEAN_VALOR_ND_SRL,100-HR-H
576833.29,153716.23,16.2642857142857,199-H1-33,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,14,14,MEAN_VALOR_ND_SRL,100-HR-H
576883.13,153667.06,20.25,199-H1-34,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
576958.26,153628.14,9.66666666666667,199-H1-35,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
576885.62,153486.51,43.875,199-H1-36,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577106.92,153641.63,3.77142857142857,199-H1-37,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,14,14,MEAN_VALOR_ND_SRL,100-HR-H

577161,153555.01,6.97857142857143,199-H1-38,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,14,14,MEAN_VALOR_ND_SRL,100-HR-H
577223.54,153533.4,6.76153846153846,199-H1-39,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,13,12,MEAN_VALOR_ND_SRL,100-HR-H
575826.78,153366.87,35,199-H1-4,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-HR-H
577279.34,153500.19,4.9,199-H1-40,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,8,MEAN_VALOR_ND_SRL,100-HR-H
577127.18,153391.65,65.6,199-H1-42,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-HR-H
577213.74,153384.28,32.75,199-H1-43,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577240.96,153062.41,54.75,199-H1-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
576986.9,153456.95,65.9,199-H1-46,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,C,4,4,MAX_VALOR_ND_SRL,100-HR-H
574850.72,153090.3,18,199-H1-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
576037.81,153745.74,1,199-H1-6,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577629.6,153172.1,2.05,199-H1-7,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,1,MEAN_VALOR_ND_SRL,100-HR-H
577410.36,152978.49,10.75,199-H3-25,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-H
577440.83,152846.5,3,199-H3-26,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-HR-H
577567.05,152811.14,1,199-H3-27,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577624.61,152750.07,1.5,199-H3-2A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_SRL,100-HR-H
577562.09,152363.17,8.4,199-H3-3,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577544.29,152293.21,10.2666666666667,199-H3-4,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
577454.7,152287.5,19.5,199-H3-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
578266.47,152425.33,1.5,199-H3-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
577931.74,152279.97,1.5,199-H3-7,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
577827.21,153155.81,3.1,199-H4-10,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-H
578141.91,152728.43,6.6,199-H4-11,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
578009.15,152912.73,3.35,199-H4-12A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
578219.3,152595.27,5.7,199-H4-13,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577904.31,153053.42,8.78333333333333,199-H4-15A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
577981.91,152591.57,1.5,199-H4-16,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
577779.18,153037.64,1,199-H4-17,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578018.29,152756.48,1,199-H4-18,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578060.86,152853.96,4.85714285714286,199-H4-4,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,14,14,MEAN_VALOR_ND_SRL,100-HR-H
578156.39,152433.39,2.225,199-H4-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,2,MEAN_VALOR_ND_SRL,100-HR-H
577883.86,152439.87,1.5,199-H4-46,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
577713.83,152445.15,5.8,199-H4-49,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577944.94,152939.78,4.35,199-H4-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577585.32,152888.39,1.5,199-H4-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
578185.83,152665.53,8.79,199-H4-63,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-HR-H
577946.11,153010.58,5,199-H4-64,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577998.26,152787.29,6.5,199-H4-65,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
578014.05,152686.66,2.0125,199-H4-69,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,7,MEAN_VALOR_ND_SRL,100-HR-H
578003.82,152646.45,1.47142857142857,199-H4-70,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,2,MEAN_VALOR_ND_SRL,100-HR-H
578010.64,152581.53,1,199-H4-71,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578036.28,152500.14,1,199-H4-72,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577940.58,152369.98,1,199-H4-73,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577239.07,152268.83,37,199-H4-74,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-HR-H
577212.36,152704.64,57.375,199-H4-75,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
576787.32,152976.85,56.6666666666667,199-H4-76,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_SRL,100-HR-H
576487.79,152975.43,26.125,199-H4-77,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
576168.23,152166.12,1,199-H4-78,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575659.13,151989.31,1,199-H4-79,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577860.69,152921.7,3.45,199-H4-8,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
575238.97,152568.16,19.25,199-H4-80,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D

575236.93,153035.36,24.5,199-H4-81,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-D
574906.99,152677.72,15.8,199-H4-82,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-HR-D
578135.04,152634.01,6,199-H4-83,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577902.58,152848.73,12.5,199-H4-84,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577980.02,152880.81,17,199-H4-85,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577704.55,152745.65,9.93333333333333,199-H4-86,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-HR-H
576723.3,152233.84,18.75,199-H4-92,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-H
577025.75,152703.33,69.625,199-H4-93,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
576906.8,151646.31,9.8,199-H5-16,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577650.08,152257.72,9.025,199-H5-1A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-H
578236.56,152247.63,2.85,199-H6-1,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577886.5,152194.11,1,199-H6-2,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578340.4,151929.35,6.75,199-H6-3,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577771.59,151737.1,3.05,199-H6-4,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577704.08,151478.02,1,199-H6-7,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578205.59,151928.15,1,199-H6-8,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
573120.65,152146.43,3,36-S,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 35,100-HR-D
573471.85,152368.72,1.5,38-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 30,100-HR-D
577033.11,153810.53,1.5,44-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 7,100-HR-H
577597.84,153493.8,2.4,45-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 11,100-HR-H
578193.92,152743.53,2.75,47-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 21,100-HR-H
578465.52,152420.8,5.9,48-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 29,100-HR-H
578699.76,152232.86,4.5,49-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 33,100-HR-H
578611.82,152118.08,5.1,50-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 37,100-HR-H
578779.25,151843.76,22,51-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 41,100-HR-H
578919.48,151586.18,1.5,52-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 46,100-HR-H
579033.52,151231.94,3.15,54-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 53,100-HR-H
576675.9,154008.65,1.5,699-100-43B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
576032.4,154124.17,25.5,699-101-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576393.09,146098.78,1.5,699-74-44,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
578847.21,146868.94,2,699-77-36,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
578172.35,148241.56,1.5,699-81-38,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
572969.75,149903.97,14,699-87-55,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
579121.74,150543.51,11.75,699-89-35,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-H
578474.69,151031.32,2.9,699-90-37B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576169.25,151024.53,1.9,699-90-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-H
575910.95,151156.64,3.7,699-91-46A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-H
575094.13,151795.3,8.45,699-93-48A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
575312.13,151728.96,1.9,699-93-48C,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
577223.05,152111.68,13.5,699-94-41,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576625.6,152087.9,19,699-94-43,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576257,152556.28,1.5,699-95-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-H
576365.99,152780.01,1,699-95-45B,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575253.42,152323.05,17,699-95-48,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
574439.5,152528.59,6.05,699-95-51,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
576761.45,152605.31,46,699-96-43,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
573910.16,152656.22,9.3,699-96-52B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
577217.5,153090.38,54.5,699-97-41,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576859.84,152981.3,41.5,699-97-43B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576051.7,152978.95,61.5,699-97-45,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H

575408.55,153265.29,25,699-97-47B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
575247.59,152909.76,23,699-97-48B,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
574468.12,153122.09,10.65,699-97-51A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
576863.24,153371.37,45.5,699-98-43,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
575726.86,153365.63,37.5,699-98-46,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
574823.37,153310.15,1.5,699-98-49A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
574339.32,153302.71,11,699-98-51,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
577283.99,153590.74,2.1,699-99-41,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
576458.77,153592.4,31.5,699-99-44,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
572860.65,151852.07,1.5,AT-D-1-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 40,100-HR-D
573108.25,152129.78,1.55,AT-D-2-S,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 36,100-HR-D
573233.23,152224.32,2.35,AT-D-3-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 34,100-HR-D
572992.24,152039.56,1.5,AT-D-4-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 38,100-HR-D
573934.8,152850.6,1.5,AT-D-5-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 20,100-HR-D
578068.73,152955.06,2,AT-H-1-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 17,100-HR-H
578109.84,152896.44,2.1,AT-H-2-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 18,100-HR-H
578142.22,152853.07,5.7,AT-H-3-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,4,4,MEAN_VALOR_ND_SRL + MAX OF GROUP 19,100-HR-H
576390.6,154227.98,5.1,C5633,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 1,100-HR-H
576481.4,154179.43,3.7,C5636,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 2,100-HR-H
576634.08,154070.38,6.1,C5638,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 3,100-HR-H
576871.56,153916.62,13.5,C5641,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 5,100-HR-H
576960.87,153869.32,1.85,C5644,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 6,100-HR-H
577157.45,153736.67,1.5,C5673,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 8,100-HR-H
577278.65,153653.5,1.65,C5678,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 9,100-HR-H
577409.4,153593.79,2.3,C5680,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 10,100-HR-H
577699.79,153338.71,1.5,C5682,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 13,100-HR-H
572270.42,151242.23,13.3,C6267,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 52,100-HR-D
572332.3,151317.57,8.8,C6271,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 51,100-HR-D
572920.42,151926.86,1.5,C6272,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 39,100-HR-D
573337.49,152284.93,1.5,C6275,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 32,100-HR-D
573533.98,152428.19,3.25,C6278,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 28,100-HR-D
574056.82,153353.31,1.5,C6281,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 12,100-HR-D
576037.53,154364.5,7.7,C6286,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 0,100-HR-H
576783.38,153964.05,9.65,C6288,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 4,100-HR-H
578313.22,152575.13,2.1,C6297,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 24,100-HR-H
578585.36,152323.62,1.5,C6299,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 31,100-HR-H
572076.62,151002.47,6.25,C7647,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 56,100-HR-D
578271.58,152659.02,24,C7650,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,4,4,MEAN_VALOR_ND_SRL + MAX OF GROUP 23,100-HR-H
574525.82,150944.26,2.5,CP_100AGWM_1,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-NR
574600.54,152538.66,13,CP_100AGWM_10,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
574277.61,153619.72,1.5,CP_100AGWM_16,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-HR
575031.6,149636.53,2.5,CP_100AGWM_2,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
575434.43,154381.55,1.5,CP_100AGWM_20,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-HR
576834.44,148528.14,2.5,CP_100AGWM_22,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-BC
577385,153158,60,CP_2016_7,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
573964.58,153015.37,7.9,DD-06-2,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 15,100-HR-D
573819.66,152683.58,3.2,DD-12-4,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 22,100-HR-D
573700.6,152547.32,8.25,DD-15-3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 25,100-HR-D
573651.17,152516.99,12.1,DD-16-4,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,4,4,MEAN_VALOR_ND_SRL + MAX OF GROUP 26,100-HR-D
573597.16,152483.3,3.45,DD-17-3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 27,100-HR-D

572606.55,151625.86,1.5,DD-39-1,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 44,100-HR-D
572532.89,151530.89,1.5,DD-41-1,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 47,100-HR-D
572486.19,151492.48,2.05,DD-42-4,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 48,100-HR-D
572450.5,151443.24,1.5,DD-43-2,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 49,100-HR-D
572412.68,151394.28,1.5,DD-44-3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 50,100-HR-D
572210.8,151163.3,16.5,DD-49-3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 54,100-HR-D
572172.63,151121.57,19.5,DD-50-2,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 55,100-HR-D
572716.34,151730.81,2.85,Redox-1-3.3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 42,100-HR-D
572636.66,151687.8,8.3,Redox-2-6.0,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 43,100-HR-D
572583.21,151603.03,1.5,Redox-3-3.3,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 45,100-HR-D

100-KR-4-KE_Hexavalent Chromium_LO.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                         \nst, nugget effect
1    0.05   -55.0   0.0   0.0              \it,cc,ang1,ang2,ang3
     1000.0 670.0    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
11 3
  1     2    10    20    48    100   200   280   480   700   750
0.5     0.5  0.99  0.9   0.5   0.5   0.5   0.1   0.5   0.5   0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,FILTERED,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
562697.66,146033.08,1.5,01-M,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
566862.63,145903.91,8.05,11-D,_2016,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
567231.72,146055.17,8.7,12-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 124,200-BP
567870,146429,1.5,14-M,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
568480,146895.93,2,17-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 119,100-KR
568712.6,147064.32,1.5,18-S,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 115,100-KR
569032.06,147394.82,1.5,19-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 110,100-KR
573000.21,151119.86,3.65,199-D2-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572787.66,150994.54,5.5,199-D3-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
580011.04,148805.3,2.516666667,199-F1-2,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580060.04,147770.4,8,199-F7-2,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580958.51,147123.53,8,199-F8-4,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
568697.4,146502.39,1.5,199-K-106A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
568579.94,146468.81,8.25,199-K-107A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568687.2,146396.14,2.8,199-K-108A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568938,146617.76,3.6,199-K-11,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569230.01,146677.91,3.6,199-K-110A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569308.17,146968.88,250,199-K-111A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570278.6,148503.44,4.05,199-K-112A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570098.07,148294.45,2.33333333333333,199-K-113A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-KR
570020.3,148280.55,3.66666666666667,199-K-114A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,3,MEAN_VALOR_ND_SRL,100-KR
569939.99,148135.42,2.33333333333333,199-K-115A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-KR
569871.15,147960.5,3.12,199-K-116A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-KR
569702.56,147976.98,1.5,199-K-117A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
569703.06,147865.9,1.5,199-K-118A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
569661.8,147649.69,1.75,199-K-119A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-KR
569399.62,147518.48,2.41666666666667,199-K-120A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570017.17,147418.26,1.3,199-K-121A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569975.07,147172.86,1.3,199-K-122A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569931.1,147090.24,1.3,199-K-123A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569867.94,146991.67,1.3,199-K-124A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569712.87,147866.01,1.65,199-K-125A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-KR
570574.73,148509.65,7.9,199-K-126,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569539.23,147539,2.83333333333333,199-K-127,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,2,MEAN_VALOR_ND_SRL,100-KR
570009.54,147257.52,1.3,199-K-128,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570283.65,148503.07,4.98,199-K-129,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-KR
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570478.99,148661.18,7.9,199-K-130,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570662,148903.85,2.76666666666667,199-K-131,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-NR
568495.12,146670.82,11,199-K-132,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_SRL,100-KR
570560.09,148536.26,1.5,199-K-133,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570600.09,148525.3,1.5,199-K-134,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570589.3,148484.1,1.5,199-K-135,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570549.02,148494.98,1.5,199-K-136,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
568653.37,146374.51,14.4,199-K-137,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-KR
568395.22,146616.64,10,199-K-138,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
568551.39,146518.39,9.5,199-K-139,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568493.07,146493.66,10,199-K-140,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
569024.22,146818.49,23.375,199-K-141,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
569104.26,146870.94,1.5,199-K-142,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570934.41,148088.28,1.2,199-K-143,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569163.34,147265.96,21.1666666666667,199-K-144,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569284.6,147425.66,7.41666666666667,199-K-145,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570197.6,148379.78,4.68333333333333,199-K-146,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570411.64,148558.07,11.6,199-K-147,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-KR
570584.74,148767.86,11.3333333333333,199-K-148,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570778.25,148970.74,1.5,199-K-149,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-NR
570787.67,149051.93,2.61,199-K-150,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,1,MEAN_VALOR_ND_SRL,100-NR
570941.32,148686.44,2.85,199-K-151,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
570736.25,148585.89,31.1428571428571,199-K-152,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
570530.04,148210.08,14,199-K-153,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570321.06,148027.01,38.1666666666667,199-K-154,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569674.01,147270.91,1.2,199-K-156,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569432.18,147167.94,5.55,199-K-157,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568627.45,146164.41,1.2,199-K-158,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570911.73,149159.61,1.2,199-K-159,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
570919.58,149116.02,1.2,199-K-160,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
570004.64,148202.3,13.75,199-K-161,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
569340,147459.97,1.83333333333333,199-K-162,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,4,MEAN_VALOR_ND_SRL,100-KR
570230.66,147947.93,5.96666666666667,199-K-163,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
571202.22,148903.74,1.2,199-K-164,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
568674.96,146342.42,13.0125,199-K-165,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
568594.56,146342.97,2.6,199-K-166,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-KR
568544.37,146513.63,13,199-K-168,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-KR
569988.97,147554.98,1.2,199-K-169,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570009.01,147491.37,1.2,199-K-170,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570544.03,147187.86,19.9375,199-K-171,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
570871.69,147166.37,1.2,199-K-172,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568674.07,146266.88,16.625,199-K-173,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
568915.38,146222.47,1.2,199-K-174,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568882.72,146008.84,1.2,199-K-175,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568963.01,146954.43,19.6666666666667,199-K-178,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569847.25,147481.92,1.3,199-K-179,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569353.69,147400.81,4.55,199-K-18,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
571116.08,147449.14,1.2,199-K-180,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568849.75,146892.82,10.3333333333333,199-K-181,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
571185.32,148350.24,27.6666666666667,199-K-182,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR

568302.28,146439.7,6.55,199-K-183,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568618.68,146366.32,5.5,199-K-184,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568574.92,146726.17,5.6,199-K-185,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569209.65,146625.36,9.85,199-K-186,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569499,146054.68,4.65,199-K-187,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569386.9,146370.05,12,199-K-188,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569150.27,146809.68,1.7,199-K-189,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569458.52,147386.64,2.7,199-K-19,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568835.28,146873.27,9.7,199-K-190,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569711.2,146886.65,5.3,199-K-191,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570641.99,146969.58,8.8,199-K-193,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
571315.65,147281.98,8.2,199-K-194,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568433.3,146639.26,10.8571428571429,199-K-196,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
569348.77,147528.77,2.46,199-K-197,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569304.19,147551.86,5.25,199-K-198,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569339.76,147585.3,4,199-K-199,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569520.52,147687.24,2.5,199-K-20,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569426.14,147253.55,3.8125,199-K-200,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
570092.13,148069.13,82.25,199-K-201,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569101.45,146792.64,3.4,199-K-202,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-KR
569212.43,146848.9,28,199-K-203,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
568648.34,146572.85,1.5,199-K-204,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-KR
568845.67,146090.86,22.625,199-K-205,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,20,20,MEAN_VALOR_ND_SRL,100-KR
568734.33,146049.54,1.2,199-K-206,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569409.77,146979.8,97.5,199-K-207,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569291.76,147170.23,9.23375,199-K-208,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
572552.36,147065.85,3,199-K-209,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569769.9,147932.06,1.5,199-K-21,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
569058.13,147155.25,22.5,199-K-210,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569954.44,148047.71,10.4875,199-K-212,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
570023.7,148097.38,20,199-K-22,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569356.26,146417.51,15.3846153846154,199-K-220,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,13,13,MEAN_VALOR_ND_SRL,100-KR
569129.42,146753.91,10,199-K-221,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569186.78,146730.6,14,199-K-222,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569081.85,146635.8,1.5,199-K-23,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-KR
568177.56,146591.11,6.25,199-K-31,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569024.15,147006.68,14,199-K-32A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
568605.78,146501.94,10.05,199-K-34,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569373.69,146390.47,154,199-K-36,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570216.2,148226.54,30,199-K-37,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
571424.79,149903.68,5,199-N-103A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571602.3,150024.96,3.51,199-N-105A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571737.6,150150.85,5.55,199-N-106A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571364.5,149968.34,2.6,199-N-119,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571366.18,149970.76,2,199-N-120,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571368.29,149973.29,3.73,199-N-121,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571318.48,149928.81,7.1,199-N-122,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571282.86,149889.37,5.7,199-N-123,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571337.18,149940.73,2.28,199-N-136,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571713.1,150243.37,6.2,199-N-14,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR

571298.8,149909.74,3.89,199-N-146,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571338.34,149946.51,3.4,199-N-147,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571340,149942.84,3.4,199-N-159,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571260.96,149154.68,1.86,199-N-165,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,4,MEAN_VALOR_ND_SRL,100-NR
571193.02,149759.67,1,199-N-173,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571269.69,149756.01,3.9,199-N-183,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571430.74,149817.82,5.03,199-N-184,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571546.33,150237.98,6.2,199-N-185,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571480.87,149715.06,5.3,199-N-186,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571565.9,149897.96,2.85,199-N-187,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571906.94,149581.53,13,199-N-188,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571431.65,148430.52,40,199-N-189,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571209.05,149702.45,5.14,199-N-19,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571476.21,149859.43,4.1,199-N-2,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571198.46,149759.46,3.4,199-N-201,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571177.78,149629.41,4.725,199-N-21,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571221.25,149799.02,1,199-N-211,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571271.28,149864.74,3.4,199-N-229,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571383.91,149997.93,1.77,199-N-248,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571433.49,150074.61,3.4,199-N-268,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571436.02,150078.94,2.57,199-N-269,_LOW,Chromium,Y,VADOSE WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
572052.62,149659.79,24.4,199-N-27,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571955.27,149476.65,7.17,199-N-28,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571457.93,150122.77,3.4,199-N-280,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571459.57,150127.35,2.045,199-N-281,_LOW,Chromium,Y,VADOSE WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571504.78,150182.74,3.4,199-N-297,_LOW,Chromium,Y,VADOSE WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571508.01,150186.18,2.5,199-N-298,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571317.38,149794.61,2.5,199-N-3,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571555.86,150247.53,3.27,199-N-315,_LOW,Chromium,Y,VADOSE WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571558.24,150251.37,5.5,199-N-316,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571907.62,149708.5,4.305,199-N-32,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571595.38,150314.3,7.9,199-N-332,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571597.44,150318.21,1.77,199-N-333,_2015,Chromium,Y,VADOSE WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571737.41,149653.89,8.6,199-N-34,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571623.93,150349.47,2.01,199-N-342,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571627.19,150353.33,3.4,199-N-343,_2015,Chromium,Y,VADOSE WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571203.32,149780.23,1,199-N-346,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571231.25,149822.23,1,199-N-347,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571248.28,149845.23,5.9,199-N-348,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571267.16,149866.13,1,199-N-349,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571356.74,149966.26,3.4,199-N-350,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571373.17,149987.11,1,199-N-351,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571388.72,150009.03,3.4,199-N-352,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571403.29,150031.62,1,199-N-353,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571418.57,150055.09,2.52,199-N-354,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571431.65,150077,2.55,199-N-355,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571446.09,150101.5,2.33,199-N-356,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571456.35,150125.44,3.4,199-N-357,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571466.28,150148.67,1.94,199-N-358,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571484.18,150168.77,3.4,199-N-359,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR

571504.04,150186.94,2.14,199-N-360,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571522,150206.98,3.4,199-N-361,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571538.55,150228.08,3.36,199-N-362,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571554.65,150249.9,6.3,199-N-363,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571569.71,150273.49,3.08,199-N-364,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571583.77,150296.66,7.4,199-N-365,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571594.87,150317.84,2.35,199-N-366,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571611.38,150340.41,6.6,199-N-367,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
572182.24,149965.26,11.2,199-N-41,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571326.97,149921.35,4.2,199-N-46,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571375.87,149703.5,1.22,199-N-56,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-NR
571413.17,149542.05,7.53,199-N-57,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571561.41,149551.18,7.6,199-N-64,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571494.16,149798.95,5.54,199-N-67,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571483.89,149804.8,6.1,199-N-69,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571588.82,148982.17,4.714,199-N-71,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-NR
571302.17,149249.66,4.94,199-N-72,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571292.02,149168.99,6.8,199-N-73,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571941.88,149156.14,38,199-N-74,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571523.58,150060.72,4.6,199-N-75,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571560.08,150122.12,3.52,199-N-76,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
572019.16,149866.09,8.8,199-N-81,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571647.42,150383.53,4.05,199-N-92A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571213.48,149800.76,1.4,199-N-96A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571473.67,150151.41,3.045,199-N-99A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
569603.83,148039.28,1.5,21-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 100,100-KR
569951.31,148359.47,26.5,22-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 95,100-KR
570225.5,148592.7,1.5,23-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 92,100-KR
570547,149001,1.5,25-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 88,100-NR
570725,149148,1.5,26-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 86,100-NR
581475.93,147541.82,3.8,66-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
581758.43,147085.18,2,68-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
582308.82,141345.92,5,699-58-24,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580115.08,141901.98,2.833333333,699-60-32,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
571588.58,141763.91,11.8,699-60-60,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
570914.86,141921.66,3.7,699-61-62,_2011,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
569787.59,142007.96,2,699-61-66,_2011,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
580302.6,142532.47,5,699-62-31,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
582315.48,142798,2,699-63-25A,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
573094.39,142562.32,16.8,699-63-55,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
562367.22,142612.35,5,699-63-90,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
581375.46,142946.08,5,699-64-27,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
571055.77,142913.86,5,699-64-62,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
574590.79,143187.85,5.9,699-65-50,_2018,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
567883.67,143107.92,6.75,699-65-72,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
582864.76,143617.19,5,699-66-23,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
570290.74,143734.12,2.75,699-66-64,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
563661.65,143873.05,2.783333333,699-67-86,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
557803.35,144206.12,1,699-68-105,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
569021.85,144845.4,4.9,699-70-68,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,200-BP

573907.9,145214.84,5.4,699-71-52,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
567551.54,145418.78,8.75,699-72-73,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,200-BP
561839.42,145359.75,2.8,699-72-92,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
571420.82,145781.53,2,699-73-61,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
576393.09,146098.78,1.5,699-74-44,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
578847.21,146868.94,2,699-77-36,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
573385.97,146854.8,24.35,699-77-54,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
570877.3,147166.22,1.5,699-78-62,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-KR
572185.42,148173.42,2,699-81-58,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
572185.42,148173.42,2,699-81-58,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
571758.02,149179.75,2,699-84-59,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
572969.75,149903.97,14,699-87-55,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571276.5,149897.48,5.5,APT1,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 75,100-NR
568327.31,146807.11,1.5,AT-K-1-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 120,100-KR
568801.24,147157.94,1.5,AT-K-2-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 113,100-KR
569180.03,147581.4,35.5,AT-K-3-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 108,100-KR
570123.11,148476.95,2.1,AT-K-4-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 94,100-KR
570358.93,148738.27,5.1,AT-K-5-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 90,100-KR
570642.44,149034.93,1.5,AT-K-6-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 87,100-NR
571165.27,149734.96,3.42,C6132,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 188,100-NR
568033.65,146604.18,5.1,C6238,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 122,100-KR
568591.99,146978.85,1.55,C6241,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 117,100-KR
568695.11,147063.48,1.5,C6242,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 116,100-KR
568920.87,147277.73,2.3,C6246,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 112,100-KR
569314.98,147686.21,2.7,C6250,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 107,100-KR
569475.54,147898.5,3.6,C6252,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 102,100-KR
569711.5,148158.6,14.5,C6256,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 98,100-KR
569853.39,148265.88,1.5,C6257,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 96,100-KR
570209.67,148618.5,11.1,C6261,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 91,100-KR
570887.32,149364.42,1.5,C6263,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 85,100-NR
568490.69,146936.42,2.075,C7642,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,4,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 118,100-KR
572076.62,151002.47,6.25,C7647,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 56,100-HR-D
571346.96,149981.81,3.4,C7881,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 70,100-NR
574525.82,150944.26,2.5,CP_100AGWM_1,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-NR
572883.66,150461.2,3.5,CP_100AGWM_11,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-KR
572091.78,150522.28,4,CP_100AGWM_13,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
574277.61,153619.72,1.5,CP_100AGWM_16,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-HR
569787.07,145972.68,5,CP_100AGWM_3,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-KR
569543,147056,5,CP_2014_5,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,
569713,146724,5,CP_2014_6,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
569671,146528,5,CP_2014_7,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
568976,146071,1.9,CP_2014_70,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
569647,146325,5,CP_2014_8,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
571452,150158.66,1.02,N116mArray-10A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 66,100-NR
571482.06,150184.45,3.4,N116mArray-11A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 65,100-NR
571227.53,149855.77,1,N116mArray-1A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 77,100-NR
571259.69,149888.38,5.05,N116mArray-2A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 76,100-NR
571273.38,149911.86,4.2,N116mArray-3A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 74,100-NR
571292.5,149925.23,1.02,N116mArray-4A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 73,100-NR
571325.44,149955.73,3.4,N116mArray-6A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 71,100-NR

571381.19,150029.75,3.4,N116mArray-8A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 69,100-NR
571437.81,150124.98,1,N116mArray-9A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 67,100-NR
571313.31,149944.56,3.4,NVP2-116.0,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 72,100-NR

100-KR-4-KN_Hexavalent Chromium_LO.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                          \nst, nugget effect
1    0.05   -16.0   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
9 3
  1     2    10    20    48    100 195 480  4000
0.5 0.5 0.99 0.5 0.5 0.5 0.5  0.5 0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,FILTERED,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
562697.66,146033.08,1.5,01-M,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
566862.63,145903.91,8.05,11-D,_2016,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
567231.72,146055.17,8.7,12-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 124,200-BP
567870,146429,1.5,14-M,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
568480,146895.93,2,17-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 119,100-KR
568712.6,147064.32,1.5,18-S,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 115,100-KR
569032.06,147394.82,1.5,19-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 110,100-KR
573000.21,151119.86,3.65,199-D2-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572787.66,150994.54,5.5,199-D3-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
580011.04,148805.3,2.516666667,199-F1-2,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580060.04,147770.4,8,199-F7-2,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580958.51,147123.53,8,199-F8-4,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
568697.4,146502.39,1.5,199-K-106A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
568579.94,146468.81,8.25,199-K-107A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568687.2,146396.14,2.8,199-K-108A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568938,146617.76,3.6,199-K-11,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569230.01,146677.91,3.6,199-K-110A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569308.17,146968.88,250,199-K-111A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570278.6,148503.44,4.05,199-K-112A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570098.07,148294.45,2.33333333333333,199-K-113A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-KR
570020.3,148280.55,3.66666666666667,199-K-114A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,3,MEAN_VALOR_ND_SRL,100-KR
569939.99,148135.42,2.33333333333333,199-K-115A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-KR
569871.15,147960.5,3.12,199-K-116A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-KR
569702.56,147976.98,1.5,199-K-117A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
569703.06,147865.9,1.5,199-K-118A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
569661.8,147649.69,1.75,199-K-119A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-KR
569399.62,147518.48,2.41666666666667,199-K-120A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570017.17,147418.26,1.3,199-K-121A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569975.07,147172.86,1.3,199-K-122A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569931.1,147090.24,1.3,199-K-123A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569867.94,146991.67,1.3,199-K-124A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569712.87,147866.01,1.65,199-K-125A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-KR
570574.73,148509.65,7.9,199-K-126,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569539.23,147539,2.83333333333333,199-K-127,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,2,MEAN_VALOR_ND_SRL,100-KR
570009.54,147257.52,1.3,199-K-128,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570283.65,148503.07,4.98,199-K-129,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-KR
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570478.99,148661.18,7.9,199-K-130,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570662,148903.85,2.76666666666667,199-K-131,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-NR
568495.12,146670.82,11,199-K-132,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_SRL,100-KR
570560.09,148536.26,1.5,199-K-133,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570600.09,148525.3,1.5,199-K-134,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570589.3,148484.1,1.5,199-K-135,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570549.02,148494.98,1.5,199-K-136,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
568653.37,146374.51,14.4,199-K-137,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-KR
568395.22,146616.64,10,199-K-138,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
568551.39,146518.39,9.5,199-K-139,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568493.07,146493.66,10,199-K-140,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
569024.22,146818.49,23.375,199-K-141,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
569104.26,146870.94,1.5,199-K-142,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570934.41,148088.28,1.2,199-K-143,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569163.34,147265.96,21.1666666666667,199-K-144,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569284.6,147425.66,7.41666666666667,199-K-145,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570197.6,148379.78,4.68333333333333,199-K-146,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570411.64,148558.07,11.6,199-K-147,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-KR
570584.74,148767.86,11.3333333333333,199-K-148,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570778.25,148970.74,1.5,199-K-149,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-NR
570787.67,149051.93,2.61,199-K-150,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,1,MEAN_VALOR_ND_SRL,100-NR
570941.32,148686.44,2.85,199-K-151,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
570736.25,148585.89,31.1428571428571,199-K-152,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
570530.04,148210.08,14,199-K-153,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570321.06,148027.01,38.1666666666667,199-K-154,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569674.01,147270.91,1.2,199-K-156,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569432.18,147167.94,5.55,199-K-157,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568627.45,146164.41,1.2,199-K-158,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570911.73,149159.61,1.2,199-K-159,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
570919.58,149116.02,1.2,199-K-160,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
570004.64,148202.3,13.75,199-K-161,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
569340,147459.97,1.83333333333333,199-K-162,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,4,MEAN_VALOR_ND_SRL,100-KR
570230.66,147947.93,5.96666666666667,199-K-163,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
571202.22,148903.74,1.2,199-K-164,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
568674.96,146342.42,13.0125,199-K-165,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
568594.56,146342.97,2.6,199-K-166,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-KR
568544.37,146513.63,13,199-K-168,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-KR
569988.97,147554.98,1.2,199-K-169,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570009.01,147491.37,1.2,199-K-170,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570544.03,147187.86,19.9375,199-K-171,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
570871.69,147166.37,1.2,199-K-172,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568674.07,146266.88,16.625,199-K-173,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
568915.38,146222.47,1.2,199-K-174,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568882.72,146008.84,1.2,199-K-175,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568963.01,146954.43,19.6666666666667,199-K-178,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569847.25,147481.92,1.3,199-K-179,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569353.69,147400.81,4.55,199-K-18,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
571116.08,147449.14,1.2,199-K-180,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568849.75,146892.82,10.3333333333333,199-K-181,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
571185.32,148350.24,27.6666666666667,199-K-182,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR

568302.28,146439.7,6.55,199-K-183,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568618.68,146366.32,5.5,199-K-184,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568574.92,146726.17,5.6,199-K-185,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569209.65,146625.36,9.85,199-K-186,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569499,146054.68,4.65,199-K-187,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569386.9,146370.05,12,199-K-188,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569150.27,146809.68,1.7,199-K-189,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569458.52,147386.64,2.7,199-K-19,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568835.28,146873.27,9.7,199-K-190,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569711.2,146886.65,5.3,199-K-191,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570641.99,146969.58,8.8,199-K-193,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
571315.65,147281.98,8.2,199-K-194,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568433.3,146639.26,10.8571428571429,199-K-196,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
569348.77,147528.77,2.46,199-K-197,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569304.19,147551.86,5.25,199-K-198,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569339.76,147585.3,4,199-K-199,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569520.52,147687.24,2.5,199-K-20,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569426.14,147253.55,3.8125,199-K-200,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
570092.13,148069.13,82.25,199-K-201,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569101.45,146792.64,3.4,199-K-202,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-KR
569212.43,146848.9,28,199-K-203,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
568648.34,146572.85,1.5,199-K-204,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-KR
568845.67,146090.86,22.625,199-K-205,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,20,20,MEAN_VALOR_ND_SRL,100-KR
568734.33,146049.54,1.2,199-K-206,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569409.77,146979.8,97.5,199-K-207,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569291.76,147170.23,9.23375,199-K-208,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
572552.36,147065.85,3,199-K-209,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569769.9,147932.06,1.5,199-K-21,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
569058.13,147155.25,22.5,199-K-210,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569954.44,148047.71,10.4875,199-K-212,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
570023.7,148097.38,20,199-K-22,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569356.26,146417.51,15.3846153846154,199-K-220,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,13,13,MEAN_VALOR_ND_SRL,100-KR
569129.42,146753.91,10,199-K-221,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569186.78,146730.6,14,199-K-222,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569081.85,146635.8,1.5,199-K-23,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-KR
568177.56,146591.11,6.25,199-K-31,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569024.15,147006.68,14,199-K-32A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
568605.78,146501.94,10.05,199-K-34,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569373.69,146390.47,154,199-K-36,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570216.2,148226.54,30,199-K-37,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
571424.79,149903.68,5,199-N-103A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571602.3,150024.96,3.51,199-N-105A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571737.6,150150.85,5.55,199-N-106A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571364.5,149968.34,2.6,199-N-119,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571366.18,149970.76,2,199-N-120,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571368.29,149973.29,3.73,199-N-121,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571318.48,149928.81,7.1,199-N-122,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571282.86,149889.37,5.7,199-N-123,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571337.18,149940.73,2.28,199-N-136,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571713.1,150243.37,6.2,199-N-14,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR

571298.8,149909.74,3.89,199-N-146,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571338.34,149946.51,3.4,199-N-147,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571340,149942.84,3.4,199-N-159,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571260.96,149154.68,1.86,199-N-165,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,4,MEAN_VALOR_ND_SRL,100-NR
571193.02,149759.67,1,199-N-173,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571269.69,149756.01,3.9,199-N-183,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571430.74,149817.82,5.03,199-N-184,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571546.33,150237.98,6.2,199-N-185,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571480.87,149715.06,5.3,199-N-186,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571565.9,149897.96,2.85,199-N-187,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571906.94,149581.53,13,199-N-188,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571431.65,148430.52,40,199-N-189,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571209.05,149702.45,5.14,199-N-19,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571476.21,149859.43,4.1,199-N-2,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571198.46,149759.46,3.4,199-N-201,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571177.78,149629.41,4.725,199-N-21,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571221.25,149799.02,1,199-N-211,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571271.28,149864.74,3.4,199-N-229,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571383.91,149997.93,1.77,199-N-248,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571433.49,150074.61,3.4,199-N-268,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571436.02,150078.94,2.57,199-N-269,_LOW,Chromium,Y,VADOSE WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
572052.62,149659.79,24.4,199-N-27,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571955.27,149476.65,7.17,199-N-28,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571457.93,150122.77,3.4,199-N-280,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571459.57,150127.35,2.045,199-N-281,_LOW,Chromium,Y,VADOSE WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571504.78,150182.74,3.4,199-N-297,_LOW,Chromium,Y,VADOSE WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571508.01,150186.18,2.5,199-N-298,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571317.38,149794.61,2.5,199-N-3,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571555.86,150247.53,3.27,199-N-315,_LOW,Chromium,Y,VADOSE WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571558.24,150251.37,5.5,199-N-316,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571907.62,149708.5,4.305,199-N-32,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571595.38,150314.3,7.9,199-N-332,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571597.44,150318.21,1.77,199-N-333,_2015,Chromium,Y,VADOSE WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571737.41,149653.89,8.6,199-N-34,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571623.93,150349.47,2.01,199-N-342,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571627.19,150353.33,3.4,199-N-343,_2015,Chromium,Y,VADOSE WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571203.32,149780.23,1,199-N-346,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571231.25,149822.23,1,199-N-347,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571248.28,149845.23,5.9,199-N-348,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571267.16,149866.13,1,199-N-349,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571356.74,149966.26,3.4,199-N-350,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571373.17,149987.11,1,199-N-351,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571388.72,150009.03,3.4,199-N-352,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571403.29,150031.62,1,199-N-353,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571418.57,150055.09,2.52,199-N-354,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571431.65,150077,2.55,199-N-355,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571446.09,150101.5,2.33,199-N-356,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571456.35,150125.44,3.4,199-N-357,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571466.28,150148.67,1.94,199-N-358,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571484.18,150168.77,3.4,199-N-359,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR

571504.04,150186.94,2.14,199-N-360,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571522,150206.98,3.4,199-N-361,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571538.55,150228.08,3.36,199-N-362,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571554.65,150249.9,6.3,199-N-363,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571569.71,150273.49,3.08,199-N-364,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571583.77,150296.66,7.4,199-N-365,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571594.87,150317.84,2.35,199-N-366,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571611.38,150340.41,6.6,199-N-367,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
572182.24,149965.26,11.2,199-N-41,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571326.97,149921.35,4.2,199-N-46,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571375.87,149703.5,1.22,199-N-56,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-NR
571413.17,149542.05,7.53,199-N-57,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571561.41,149551.18,7.6,199-N-64,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571494.16,149798.95,5.54,199-N-67,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571483.89,149804.8,6.1,199-N-69,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571588.82,148982.17,4.714,199-N-71,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-NR
571302.17,149249.66,4.94,199-N-72,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571292.02,149168.99,6.8,199-N-73,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571941.88,149156.14,38,199-N-74,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571523.58,150060.72,4.6,199-N-75,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571560.08,150122.12,3.52,199-N-76,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
572019.16,149866.09,8.8,199-N-81,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571647.42,150383.53,4.05,199-N-92A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571213.48,149800.76,1.4,199-N-96A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571473.67,150151.41,3.045,199-N-99A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
569603.83,148039.28,1.5,21-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 100,100-KR
569951.31,148359.47,26.5,22-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 95,100-KR
570225.5,148592.7,1.5,23-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 92,100-KR
570547,149001,1.5,25-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 88,100-NR
570725,149148,1.5,26-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 86,100-NR
581475.93,147541.82,3.8,66-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
581758.43,147085.18,2,68-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
582308.82,141345.92,5,699-58-24,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580115.08,141901.98,2.833333333,699-60-32,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
571588.58,141763.91,11.8,699-60-60,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
570914.86,141921.66,3.7,699-61-62,_2011,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
569787.59,142007.96,2,699-61-66,_2011,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
580302.6,142532.47,5,699-62-31,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
582315.48,142798,2,699-63-25A,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
573094.39,142562.32,16.8,699-63-55,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
562367.22,142612.35,5,699-63-90,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
581375.46,142946.08,5,699-64-27,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
571055.77,142913.86,5,699-64-62,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
574590.79,143187.85,5.9,699-65-50,_2018,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
567883.67,143107.92,6.75,699-65-72,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
582864.76,143617.19,5,699-66-23,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
570290.74,143734.12,2.75,699-66-64,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
563661.65,143873.05,2.783333333,699-67-86,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
557803.35,144206.12,1,699-68-105,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
569021.85,144845.4,4.9,699-70-68,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,200-BP

573907.9,145214.84,5.4,699-71-52,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
567551.54,145418.78,8.75,699-72-73,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,200-BP
561839.42,145359.75,2.8,699-72-92,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
571420.82,145781.53,2,699-73-61,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
576393.09,146098.78,1.5,699-74-44,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
578847.21,146868.94,2,699-77-36,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
573385.97,146854.8,24.35,699-77-54,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
570877.3,147166.22,1.5,699-78-62,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-KR
572185.42,148173.42,2,699-81-58,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
572185.42,148173.42,2,699-81-58,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
571758.02,149179.75,2,699-84-59,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
572969.75,149903.97,14,699-87-55,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571276.5,149897.48,5.5,APT1,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 75,100-NR
568327.31,146807.11,1.5,AT-K-1-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 120,100-KR
568801.24,147157.94,1.5,AT-K-2-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 113,100-KR
569180.03,147581.4,35.5,AT-K-3-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 108,100-KR
570123.11,148476.95,2.1,AT-K-4-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 94,100-KR
570358.93,148738.27,5.1,AT-K-5-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 90,100-KR
570642.44,149034.93,1.5,AT-K-6-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 87,100-NR
571165.27,149734.96,3.42,C6132,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 188,100-NR
568033.65,146604.18,5.1,C6238,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 122,100-KR
568591.99,146978.85,1.55,C6241,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 117,100-KR
568695.11,147063.48,1.5,C6242,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 116,100-KR
568920.87,147277.73,2.3,C6246,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 112,100-KR
569314.98,147686.21,2.7,C6250,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 107,100-KR
569475.54,147898.5,3.6,C6252,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 102,100-KR
569711.5,148158.6,14.5,C6256,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 98,100-KR
569853.39,148265.88,1.5,C6257,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 96,100-KR
570209.67,148618.5,11.1,C6261,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 91,100-KR
570887.32,149364.42,1.5,C6263,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 85,100-NR
568490.69,146936.42,2.075,C7642,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,4,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 118,100-KR
572076.62,151002.47,6.25,C7647,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 56,100-HR-D
571346.96,149981.81,3.4,C7881,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 70,100-NR
574525.82,150944.26,2.5,CP_100AGWM_1,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-NR
572883.66,150461.2,3.5,CP_100AGWM_11,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-KR
572091.78,150522.28,4,CP_100AGWM_13,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
574277.61,153619.72,1.5,CP_100AGWM_16,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-HR
569787.07,145972.68,5,CP_100AGWM_3,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-KR
569543,147056,5,CP_2014_5,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,
569713,146724,5,CP_2014_6,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
569671,146528,5,CP_2014_7,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
568976,146071,1.9,CP_2014_70,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
569647,146325,5,CP_2014_8,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
571452,150158.66,1.02,N116mArray-10A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 66,100-NR
571482.06,150184.45,3.4,N116mArray-11A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 65,100-NR
571227.53,149855.77,1,N116mArray-1A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 77,100-NR
571259.69,149888.38,5.05,N116mArray-2A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 76,100-NR
571273.38,149911.86,4.2,N116mArray-3A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 74,100-NR
571292.5,149925.23,1.02,N116mArray-4A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 73,100-NR
571325.44,149955.73,3.4,N116mArray-6A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 71,100-NR

571381.19,150029.75,3.4,N116mArray-8A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 69,100-NR
571437.81,150124.98,1,N116mArray-9A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 67,100-NR
571313.31,149944.56,3.4,NVP2-116.0,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 72,100-NR

100-KW_Hexavalent Chromium_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
9 3
  1     2    10    20    48    100 195 480  4000
0.5 0.5 0.99 0.5 0.5 0.5 0.5  0.5 0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,FILTERED,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
562697.66,146033.08,1.5,01-M,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
566862.63,145903.91,8.05,11-D,_2016,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
567231.72,146055.17,8.7,12-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 124,200-BP
567870,146429,1.5,14-M,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
568480,146895.93,2,17-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 119,100-KR
580011.04,148805.3,2.516666667,199-F1-2,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
568697.4,146502.39,1.5,199-K-106A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
568579.94,146468.81,8.25,199-K-107A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568687.2,146396.14,2.8,199-K-108A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568938,146617.76,3.6,199-K-11,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
570017.17,147418.26,1.3,199-K-121A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569975.07,147172.86,1.3,199-K-122A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569931.1,147090.24,1.3,199-K-123A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569867.94,146991.67,1.3,199-K-124A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570009.54,147257.52,1.3,199-K-128,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568495.12,146670.82,11,199-K-132,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_SRL,100-KR
568653.37,146374.51,14.4,199-K-137,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-KR
568395.22,146616.64,10,199-K-138,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
568551.39,146518.39,9.5,199-K-139,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568493.07,146493.66,10,199-K-140,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
570934.41,148088.28,1.2,199-K-143,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569674.01,147270.91,1.2,199-K-156,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568627.45,146164.41,1.2,199-K-158,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570911.73,149159.61,1.2,199-K-159,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
570919.58,149116.02,1.2,199-K-160,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
571202.22,148903.74,1.2,199-K-164,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
568674.96,146342.42,13.0125,199-K-165,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
568594.56,146342.97,2.6,199-K-166,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-KR
568544.37,146513.63,13,199-K-168,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-KR
569988.97,147554.98,1.2,199-K-169,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570009.01,147491.37,1.2,199-K-170,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570871.69,147166.37,1.2,199-K-172,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568674.07,146266.88,16.625,199-K-173,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
568915.38,146222.47,1.2,199-K-174,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568882.72,146008.84,1.2,199-K-175,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569847.25,147481.92,1.3,199-K-179,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
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571116.08,147449.14,1.2,199-K-180,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568302.28,146439.7,6.55,199-K-183,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568618.68,146366.32,5.5,199-K-184,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568574.92,146726.17,5.6,199-K-185,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568433.3,146639.26,10.8571428571429,199-K-196,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
568648.34,146572.85,1.5,199-K-204,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-KR
568845.67,146090.86,22.625,199-K-205,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,20,20,MEAN_VALOR_ND_SRL,100-KR
568734.33,146049.54,1.2,199-K-206,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568177.56,146591.11,6.25,199-K-31,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568605.78,146501.94,10.05,199-K-34,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
581475.93,147541.82,3.8,66-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
581758.43,147085.18,2,68-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
582308.82,141345.92,5,699-58-24,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580115.08,141901.98,2.833333333,699-60-32,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
571588.58,141763.91,11.8,699-60-60,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
570914.86,141921.66,3.7,699-61-62,_2011,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
569787.59,142007.96,2,699-61-66,_2011,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
580302.6,142532.47,5,699-62-31,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
582315.48,142798,2,699-63-25A,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
573094.39,142562.32,16.8,699-63-55,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
562367.22,142612.35,5,699-63-90,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
581375.46,142946.08,5,699-64-27,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
571055.77,142913.86,5,699-64-62,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
574590.79,143187.85,5.9,699-65-50,_2018,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
567883.67,143107.92,6.75,699-65-72,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
582864.76,143617.19,5,699-66-23,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
570290.74,143734.12,2.75,699-66-64,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
563661.65,143873.05,2.783333333,699-67-86,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
557803.35,144206.12,1,699-68-105,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
569021.85,144845.4,4.9,699-70-68,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,200-BP
573907.9,145214.84,5.4,699-71-52,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
567551.54,145418.78,8.75,699-72-73,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,200-BP
561839.42,145359.75,2.8,699-72-92,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
571420.82,145781.53,2,699-73-61,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
573385.97,146854.8,24.35,699-77-54,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
572185.42,148173.42,2,699-81-58,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
572185.42,148173.42,2,699-81-58,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
571758.02,149179.75,2,699-84-59,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
568327.31,146807.11,1.5,AT-K-1-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 120,100-KR
568033.65,146604.18,5.1,C6238,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 122,100-KR
568591.99,146978.85,1.55,C6241,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 117,100-KR
568490.69,146936.42,2.075,C7642,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,4,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 118,100-KR
572883.66,150461.2,3.5,CP_100AGWM_11,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-KR
572091.78,150522.28,4,CP_100AGWM_13,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
569787.07,145972.68,5,CP_100AGWM_3,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-KR
569543,147056,5,CP_2014_5,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,
569713,146724,5,CP_2014_6,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
569671,146528,5,CP_2014_7,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
568976,146071,1.9,CP_2014_70,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
569647,146325,5,CP_2014_8,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,

100-NR-2_Hexavalent Chromium_LO.dat

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                         \nst, nugget effect
1    0.05   -16.0   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
9 3
  1     2    10    20    48    100 195 480  4000
0.5 0.5 0.99 0.5 0.5 0.5 0.5  0.5 0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,FILTERED,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
562697.66,146033.08,1.5,01-M,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
566862.63,145903.91,8.05,11-D,_2016,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
567870,146429,1.5,14-M,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
568480,146895.93,2,17-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 119,100-KR
568712.6,147064.32,1.5,18-S,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 115,100-KR
569032.06,147394.82,1.5,19-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 110,100-KR
573000.21,151119.86,3.65,199-D2-6,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
572787.66,150994.54,5.5,199-D3-5,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-D
580011.04,148805.3,2.516666667,199-F1-2,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580060.04,147770.4,8,199-F7-2,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580958.51,147123.53,8,199-F8-4,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
568697.4,146502.39,1.5,199-K-106A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
568579.94,146468.81,8.25,199-K-107A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568687.2,146396.14,2.8,199-K-108A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568938,146617.76,3.6,199-K-11,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569230.01,146677.91,3.6,199-K-110A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569308.17,146968.88,250,199-K-111A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570278.6,148503.44,4.05,199-K-112A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570098.07,148294.45,2.33333333333333,199-K-113A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-KR
570020.3,148280.55,3.66666666666667,199-K-114A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,3,MEAN_VALOR_ND_SRL,100-KR
569939.99,148135.42,2.33333333333333,199-K-115A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-KR
569871.15,147960.5,3.12,199-K-116A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-KR
569702.56,147976.98,1.5,199-K-117A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
569703.06,147865.9,1.5,199-K-118A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
569661.8,147649.69,1.75,199-K-119A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-KR
569399.62,147518.48,2.41666666666667,199-K-120A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570017.17,147418.26,1.3,199-K-121A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569975.07,147172.86,1.3,199-K-122A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569931.1,147090.24,1.3,199-K-123A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569867.94,146991.67,1.3,199-K-124A,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569712.87,147866.01,1.65,199-K-125A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-KR
570574.73,148509.65,7.9,199-K-126,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569539.23,147539,2.83333333333333,199-K-127,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,2,MEAN_VALOR_ND_SRL,100-KR
570009.54,147257.52,1.3,199-K-128,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570283.65,148503.07,4.98,199-K-129,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-KR
570478.99,148661.18,7.9,199-K-130,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
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570662,148903.85,2.76666666666667,199-K-131,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,5,MEAN_VALOR_ND_SRL,100-NR
568495.12,146670.82,11,199-K-132,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,3,3,MEAN_VALOR_ND_SRL,100-KR
570560.09,148536.26,1.5,199-K-133,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570600.09,148525.3,1.5,199-K-134,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570589.3,148484.1,1.5,199-K-135,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570549.02,148494.98,1.5,199-K-136,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
568653.37,146374.51,14.4,199-K-137,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-KR
568395.22,146616.64,10,199-K-138,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
568551.39,146518.39,9.5,199-K-139,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568493.07,146493.66,10,199-K-140,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
569024.22,146818.49,23.375,199-K-141,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
569104.26,146870.94,1.5,199-K-142,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
570934.41,148088.28,1.2,199-K-143,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569163.34,147265.96,21.1666666666667,199-K-144,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569284.6,147425.66,7.41666666666667,199-K-145,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570197.6,148379.78,4.68333333333333,199-K-146,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570411.64,148558.07,11.6,199-K-147,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-KR
570584.74,148767.86,11.3333333333333,199-K-148,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570778.25,148970.74,1.5,199-K-149,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-NR
570787.67,149051.93,2.61,199-K-150,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,1,MEAN_VALOR_ND_SRL,100-NR
570941.32,148686.44,2.85,199-K-151,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
570736.25,148585.89,31.1428571428571,199-K-152,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
570530.04,148210.08,14,199-K-153,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
570321.06,148027.01,38.1666666666667,199-K-154,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569674.01,147270.91,1.2,199-K-156,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569432.18,147167.94,5.55,199-K-157,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568627.45,146164.41,1.2,199-K-158,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570911.73,149159.61,1.2,199-K-159,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
570919.58,149116.02,1.2,199-K-160,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
570004.64,148202.3,13.75,199-K-161,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
569340,147459.97,1.83333333333333,199-K-162,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,4,MEAN_VALOR_ND_SRL,100-KR
570230.66,147947.93,5.96666666666667,199-K-163,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
571202.22,148903.74,1.2,199-K-164,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
568674.96,146342.42,13.0125,199-K-165,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
568594.56,146342.97,2.6,199-K-166,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-KR
568544.37,146513.63,13,199-K-168,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-KR
569988.97,147554.98,1.2,199-K-169,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570009.01,147491.37,1.2,199-K-170,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
570544.03,147187.86,19.9375,199-K-171,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
570871.69,147166.37,1.2,199-K-172,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568674.07,146266.88,16.625,199-K-173,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
568915.38,146222.47,1.2,199-K-174,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568882.72,146008.84,1.2,199-K-175,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568963.01,146954.43,19.6666666666667,199-K-178,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569847.25,147481.92,1.3,199-K-179,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569353.69,147400.81,4.55,199-K-18,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
571116.08,147449.14,1.2,199-K-180,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
568849.75,146892.82,10.3333333333333,199-K-181,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
571185.32,148350.24,27.6666666666667,199-K-182,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
568302.28,146439.7,6.55,199-K-183,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR

568618.68,146366.32,5.5,199-K-184,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
568574.92,146726.17,5.6,199-K-185,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569209.65,146625.36,9.85,199-K-186,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569499,146054.68,4.65,199-K-187,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569386.9,146370.05,12,199-K-188,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569150.27,146809.68,1.7,199-K-189,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569458.52,147386.64,2.7,199-K-19,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568835.28,146873.27,9.7,199-K-190,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569711.2,146886.65,5.3,199-K-191,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570641.99,146969.58,8.8,199-K-193,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
571315.65,147281.98,8.2,199-K-194,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
568433.3,146639.26,10.8571428571429,199-K-196,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,7,7,MEAN_VALOR_ND_SRL,100-KR
569348.77,147528.77,2.46,199-K-197,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569304.19,147551.86,5.25,199-K-198,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569339.76,147585.3,4,199-K-199,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569520.52,147687.24,2.5,199-K-20,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569426.14,147253.55,3.8125,199-K-200,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
570092.13,148069.13,82.25,199-K-201,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569101.45,146792.64,3.4,199-K-202,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-KR
569212.43,146848.9,28,199-K-203,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
568648.34,146572.85,1.5,199-K-204,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-KR
568845.67,146090.86,22.625,199-K-205,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,20,20,MEAN_VALOR_ND_SRL,100-KR
568734.33,146049.54,1.2,199-K-206,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
569409.77,146979.8,97.5,199-K-207,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-KR
569291.76,147170.23,9.23375,199-K-208,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
572552.36,147065.85,3,199-K-209,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569769.9,147932.06,1.5,199-K-21,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-KR
569058.13,147155.25,22.5,199-K-210,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,6,6,MEAN_VALOR_ND_SRL,100-KR
569954.44,148047.71,10.4875,199-K-212,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-KR
570023.7,148097.38,20,199-K-22,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569356.26,146417.51,15.3846153846154,199-K-220,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,13,13,MEAN_VALOR_ND_SRL,100-KR
569129.42,146753.91,10,199-K-221,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569186.78,146730.6,14,199-K-222,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
569081.85,146635.8,1.5,199-K-23,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-KR
568177.56,146591.11,6.25,199-K-31,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569024.15,147006.68,14,199-K-32A,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-KR
568605.78,146501.94,10.05,199-K-34,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
569373.69,146390.47,154,199-K-36,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
570216.2,148226.54,30,199-K-37,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-KR
571424.79,149903.68,5,199-N-103A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571602.3,150024.96,3.51,199-N-105A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571737.6,150150.85,5.55,199-N-106A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571364.5,149968.34,2.6,199-N-119,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571366.18,149970.76,2,199-N-120,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571368.29,149973.29,3.73,199-N-121,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571318.48,149928.81,7.1,199-N-122,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571282.86,149889.37,5.7,199-N-123,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571337.18,149940.73,2.28,199-N-136,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571713.1,150243.37,6.2,199-N-14,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571298.8,149909.74,3.89,199-N-146,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR

571338.34,149946.51,3.4,199-N-147,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571340,149942.84,3.4,199-N-159,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571260.96,149154.68,1.86,199-N-165,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,4,MEAN_VALOR_ND_SRL,100-NR
571193.02,149759.67,1,199-N-173,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571269.69,149756.01,3.9,199-N-183,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571430.74,149817.82,5.03,199-N-184,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571546.33,150237.98,6.2,199-N-185,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571480.87,149715.06,5.3,199-N-186,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571565.9,149897.96,2.85,199-N-187,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571906.94,149581.53,13,199-N-188,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571431.65,148430.52,40,199-N-189,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571209.05,149702.45,5.14,199-N-19,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571476.21,149859.43,4.1,199-N-2,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571198.46,149759.46,3.4,199-N-201,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571177.78,149629.41,4.725,199-N-21,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571221.25,149799.02,1,199-N-211,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571271.28,149864.74,3.4,199-N-229,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571383.91,149997.93,1.77,199-N-248,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571433.49,150074.61,3.4,199-N-268,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571436.02,150078.94,2.57,199-N-269,_LOW,Chromium,Y,VADOSE WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
572052.62,149659.79,24.4,199-N-27,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571955.27,149476.65,7.17,199-N-28,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571457.93,150122.77,3.4,199-N-280,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571459.57,150127.35,2.045,199-N-281,_LOW,Chromium,Y,VADOSE WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571504.78,150182.74,3.4,199-N-297,_LOW,Chromium,Y,VADOSE WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571508.01,150186.18,2.5,199-N-298,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571317.38,149794.61,2.5,199-N-3,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571555.86,150247.53,3.27,199-N-315,_LOW,Chromium,Y,VADOSE WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571558.24,150251.37,5.5,199-N-316,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571907.62,149708.5,4.305,199-N-32,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571595.38,150314.3,7.9,199-N-332,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571597.44,150318.21,1.77,199-N-333,_2015,Chromium,Y,VADOSE WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571737.41,149653.89,8.6,199-N-34,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571623.93,150349.47,2.01,199-N-342,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571627.19,150353.33,3.4,199-N-343,_2015,Chromium,Y,VADOSE WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571203.32,149780.23,1,199-N-346,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571231.25,149822.23,1,199-N-347,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571248.28,149845.23,5.9,199-N-348,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571267.16,149866.13,1,199-N-349,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571356.74,149966.26,3.4,199-N-350,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571373.17,149987.11,1,199-N-351,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571388.72,150009.03,3.4,199-N-352,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571403.29,150031.62,1,199-N-353,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571418.57,150055.09,2.52,199-N-354,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571431.65,150077,2.55,199-N-355,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571446.09,150101.5,2.33,199-N-356,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571456.35,150125.44,3.4,199-N-357,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571466.28,150148.67,1.94,199-N-358,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571484.18,150168.77,3.4,199-N-359,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571504.04,150186.94,2.14,199-N-360,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR

571522,150206.98,3.4,199-N-361,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-NR
571538.55,150228.08,3.36,199-N-362,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571554.65,150249.9,6.3,199-N-363,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571569.71,150273.49,3.08,199-N-364,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571583.77,150296.66,7.4,199-N-365,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571594.87,150317.84,2.35,199-N-366,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571611.38,150340.41,6.6,199-N-367,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
572182.24,149965.26,11.2,199-N-41,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571326.97,149921.35,4.2,199-N-46,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571375.87,149703.5,1.22,199-N-56,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-NR
571413.17,149542.05,7.53,199-N-57,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571561.41,149551.18,7.6,199-N-64,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571494.16,149798.95,5.54,199-N-67,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571483.89,149804.8,6.1,199-N-69,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571588.82,148982.17,4.714,199-N-71,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,5,5,MEAN_VALOR_ND_SRL,100-NR
571302.17,149249.66,4.94,199-N-72,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571292.02,149168.99,6.8,199-N-73,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571941.88,149156.14,38,199-N-74,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571523.58,150060.72,4.6,199-N-75,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571560.08,150122.12,3.52,199-N-76,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
572019.16,149866.09,8.8,199-N-81,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571647.42,150383.53,4.05,199-N-92A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571213.48,149800.76,1.4,199-N-96A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-NR
571473.67,150151.41,3.045,199-N-99A,_LOW,Chromium,Y,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
569603.83,148039.28,1.5,21-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 100,100-KR
569951.31,148359.47,26.5,22-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 95,100-KR
570225.5,148592.7,1.5,23-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 92,100-KR
570547,149001,1.5,25-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 88,100-NR
570725,149148,1.5,26-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 86,100-NR
581475.93,147541.82,3.8,66-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
581758.43,147085.18,2,68-D,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
582308.82,141345.92,5,699-58-24,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
580115.08,141901.98,2.833333333,699-60-32,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
571588.58,141763.91,11.8,699-60-60,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
570914.86,141921.66,3.7,699-61-62,_2011,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
569787.59,142007.96,2,699-61-66,_2011,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
580302.6,142532.47,5,699-62-31,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
582315.48,142798,2,699-63-25A,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
573094.39,142562.32,16.8,699-63-55,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
562367.22,142612.35,5,699-63-90,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
581375.46,142946.08,5,699-64-27,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
571055.77,142913.86,5,699-64-62,_2012,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
574590.79,143187.85,5.9,699-65-50,_2018,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
567883.67,143107.92,6.75,699-65-72,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
582864.76,143617.19,5,699-66-23,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
570290.74,143734.12,2.75,699-66-64,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,200-BP
563661.65,143873.05,2.783333333,699-67-86,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
557803.35,144206.12,1,699-68-105,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
569021.85,144845.4,4.9,699-70-68,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,200-BP
573907.9,145214.84,5.4,699-71-52,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR

561839.42,145359.75,2.8,699-72-92,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-BC
571420.82,145781.53,2,699-73-61,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-KR
576393.09,146098.78,1.5,699-74-44,_2017,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
578847.21,146868.94,2,699-77-36,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
573385.97,146854.8,24.35,699-77-54,_2014,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-FR
570877.3,147166.22,1.5,699-78-62,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,0,MEAN_VALOR_ND_SRL,100-KR
572185.42,148173.42,2,699-81-58,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
572185.42,148173.42,2,699-81-58,_2010,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
571758.02,149179.75,2,699-84-59,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
572969.75,149903.97,14,699-87-55,_LOW,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,2,MEAN_VALOR_ND_SRL,100-NR
571276.5,149897.48,5.5,APT1,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 75,100-NR
568327.31,146807.11,1.5,AT-K-1-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 120,100-KR
568801.24,147157.94,1.5,AT-K-2-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 113,100-KR
569180.03,147581.4,35.5,AT-K-3-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 108,100-KR
570123.11,148476.95,2.1,AT-K-4-M,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 94,100-KR
570358.93,148738.27,5.1,AT-K-5-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 90,100-KR
570642.44,149034.93,1.5,AT-K-6-D,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 87,100-NR
571165.27,149734.96,3.42,C6132,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 188,100-NR
568033.65,146604.18,5.1,C6238,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 122,100-KR
568591.99,146978.85,1.55,C6241,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 117,100-KR
568695.11,147063.48,1.5,C6242,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 116,100-KR
568920.87,147277.73,2.3,C6246,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 112,100-KR
569314.98,147686.21,2.7,C6250,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 107,100-KR
569475.54,147898.5,3.6,C6252,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 102,100-KR
569711.5,148158.6,14.5,C6256,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 98,100-KR
569853.39,148265.88,1.5,C6257,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 96,100-KR
570209.67,148618.5,11.1,C6261,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 91,100-KR
570887.32,149364.42,1.5,C6263,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 85,100-NR
571023.87,149554.4,3.7,C6319,_2015,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 84,100-NR
571127.03,149679.68,5.6,C6322,_2015,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 81,100-NR
571554.35,150268.72,4.75,C6324,_2015,Chromium,Y,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 62,100-NR
571741.35,150541.11,5.25,C6328,_2015,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
571872.77,150720.49,3.9,C6331,_2013,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-NR
568490.69,146936.42,2.075,C7642,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,4,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 118,100-KR
572076.62,151002.47,6.25,C7647,_LOW,Hexavalent Chromium,Y or N,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 56,100-HR-D
571346.96,149981.81,3.4,C7881,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 70,100-NR
574525.82,150944.26,2.5,CP_100AGWM_1,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-NR
572883.66,150461.2,3.5,CP_100AGWM_11,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-KR
572091.78,150522.28,4,CP_100AGWM_13,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
574277.61,153619.72,1.5,CP_100AGWM_16,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-HR
569787.07,145972.68,5,CP_100AGWM_3,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-KR
569543,147056,5,CP_2014_5,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,
569713,146724,5,CP_2014_6,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
569671,146528,5,CP_2014_7,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
568976,146071,1.9,CP_2014_70,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
569647,146325,5,CP_2014_8,OTHER DATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
571169,149776,3.4,N116mArray-0A,_2015,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 79,100-NR
571452,150158.66,1.02,N116mArray-10A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 66,100-NR
571482.06,150184.45,3.4,N116mArray-11A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 65,100-NR
571632,150391,3.5,N116mArray-15A,_2015,Chromium,Y,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 60,100-NR

571227.53,149855.77,1,N116mArray-1A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 77,100-NR
571259.69,149888.38,5.05,N116mArray-2A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,2,MEAN_VALOR_ND_SRL + MAX OF GROUP 76,100-NR
571273.38,149911.86,4.2,N116mArray-3A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 74,100-NR
571292.5,149925.23,1.02,N116mArray-4A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,1,MEAN_VALOR_ND_SRL + MAX OF GROUP 73,100-NR
571325.44,149955.73,3.4,N116mArray-6A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 71,100-NR
571381.19,150029.75,3.4,N116mArray-8A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,2,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 69,100-NR
571437.81,150124.98,1,N116mArray-9A,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 67,100-NR
571313.31,149944.56,3.4,NVP2-116.0,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 72,100-NR571313.31,149944.56,3.4,NVP2-116.0,_LOW,Chromium,Y,AQUIFER TUBE,R-X,1,0,MEAN_VALOR_ND_SRL + MAX OF GROUP 72,100-NR

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1 0.0 \nst, nugget effect
1 0.05 -120. 0.0 0.0 \it,cc,ang1,ang2,ang3
1500. 1500. 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
8 3
1 5 10 20 48 100 315 550
0.9 0.9 0.7 0.5 0.3 0.5 0.5 0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,FILTERED,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
574429.62,152988.34,4.78,199-D11-1,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573675.32,151862.46,1.85,199-D5-134,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
573243.43,151424.51,1.5,199-D5-141,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
574433.17,152667.9,4.03,199-D7-7,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573768.24,152398.65,3.45,199-D8-54B,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-HR-D
576878.89,153481.09,3.83,199-H1-50,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577752.31,153239.89,14.975,199-H2-1,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577545.14,152723.52,3.3375,199-H3-10,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577842.32,152838.62,354.7,199-H3-12,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577950.58,152815.48,335.275,199-H3-13,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577897.07,152847.99,321.22,199-H3-22,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577655.35,152822.58,49.58,199-H3-28,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577921.46,152884.22,153.5,199-H3-29,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577632.065,152750.302,62.0384615384615,199-H3-2C,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,26,26,MEAN_VALOR_ND_SRL,100-HR-H
578100.23,152712.09,141.67,199-H3-30,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578150.81,152364.01,85.4,199-H3-31,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577709.81,153063.5,233.27,199-H3-32,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578039.12,152913.6,82.0769230769231,199-H3-9,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,13,13,MEAN_VALOR_ND_SRL,100-HR-H
578011.772,152919.812,103.004545454545,199-H4-12C,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,22,22,MEAN_VALOR_ND_SRL,100-HR-H
577907.681,153059.983,29.5,199-H4-15CS,_2015,Hexavalent Chromium,Y or N,HOSTED PIEZOMETER,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577922.94,152592.59,11.2,199-H4-90,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-HR-H
578126.58,152524.1,38.075,199-H4-91,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577243.91,153068.67,14.8,199-H4-94,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575643.15,153389.04,1.9,199-H7-1,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
576257.19,152576.18,2.67,699-95-45C,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575235.98,152338.99,4.99,699-95-48B,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
575231.7,152573.73,3.02,699-95-48C,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
577211.44,152701.82,2.5,699-96-42B,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
576857.31,152980.67,1.5,699-97-43C,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_SRL,100-HR-H
576049.34,152979.41,3.2,699-97-45B,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-H
575687.52,152937.65,2.81,699-97-47D,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575245.39,152909.66,103.575,699-97-48C,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
575682.05,152794.99,51.3,699-97-60,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
574891.51,152914.15,188,699-97-61,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-HR-D
574812.5,153319.89,23.06,699-98-50,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D

576308.83,150925.34,0,CP_100AGWM_15,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
572479.94,151122.11,0.5,CP_100AGWM_24,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
574669.06,154155.7,0.5,CP_100AGWM_25,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
576513.8,153983.53,0.5,CP_100AGWM_26,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
574062.33,150679.37,0.5,CP_100AGWM_27,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
578740.43,151954.69,7,CP_2022_20,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
578486.07,151851.26,7,CP_4,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,

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VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
VARIOGRAM PARAMETERS (AFTER GSLIB KT3D)
1    0.0                          \nst, nugget effect
1    0.05     -40.    0.0    0.0              \it,cc,ang1,ang2,ang3
     3000.   2500.    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
11  3
1    5    10    20    48    100   315  480   1000   2000   4800
0.9  0.9    0.5  0.1     0.5  0.5  0.5    0.5   0.5    0.5  0.5
XCOORDS,YCOORDS,MAPVAL,NAME,YEAR,ANALYTE,FILTERED,TYPE,COLLECTION_PURPOSE,COUNT_MEASUREMENTS,COUNT_DETECTS,VALCAT,OU
574429.62,152988.34,4.78,199-D11-1,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573675.32,151862.46,1.85,199-D5-134,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,1,MEAN_VALOR_ND_SRL,100-HR-D
573243.43,151424.51,1.5,199-D5-141,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,2,0,MEAN_VALOR_ND_SRL,100-HR-D
574433.17,152667.9,4.03,199-D7-7,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
573768.24,152398.65,3.45,199-D8-54B,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,3,MEAN_VALOR_ND_SRL,100-HR-D
576878.89,153481.09,3.83,199-H1-50,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577752.31,153239.89,14.975,199-H2-1,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577545.14,152723.52,3.3375,199-H3-10,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577842.32,152838.62,354.7,199-H3-12,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577950.58,152815.48,335.275,199-H3-13,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577897.07,152847.99,321.22,199-H3-22,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577655.35,152822.58,49.58,199-H3-28,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577921.46,152884.22,153.5,199-H3-29,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577632.065,152750.302,62.0384615384615,199-H3-2C,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,26,26,MEAN_VALOR_ND_SRL,100-HR-H
578100.23,152712.09,141.67,199-H3-30,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578150.81,152364.01,85.4,199-H3-31,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
577709.81,153063.5,233.27,199-H3-32,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
578039.12,152913.6,82.0769230769231,199-H3-9,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,13,13,MEAN_VALOR_ND_SRL,100-HR-H
578011.772,152919.812,103.004545454545,199-H4-12C,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,22,22,MEAN_VALOR_ND_SRL,100-HR-H
577907.681,153059.983,29.5,199-H4-15CS,_2015,Hexavalent Chromium,Y or N,HOSTED PIEZOMETER,R-X,2,2,MEAN_VALOR_ND_SRL,100-HR-H
577922.94,152592.59,11.2,199-H4-90,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,10,10,MEAN_VALOR_ND_SRL,100-HR-H
578126.58,152524.1,38.075,199-H4-91,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,8,8,MEAN_VALOR_ND_SRL,100-HR-H
577243.91,153068.67,14.8,199-H4-94,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575643.15,153389.04,1.9,199-H7-1,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
576257.19,152576.18,2.67,699-95-45C,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575235.98,152338.99,4.99,699-95-48B,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
575231.7,152573.73,3.02,699-95-48C,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
577211.44,152701.82,2.5,699-96-42B,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
576857.31,152980.67,1.5,699-97-43C,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,0,MEAN_VALOR_ND_SRL,100-HR-H
576049.34,152979.41,3.2,699-97-45B,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-H
575687.52,152937.65,2.81,699-97-47D,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
575245.39,152909.66,103.575,699-97-48C,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,4,4,MEAN_VALOR_ND_SRL,100-HR-D
575682.05,152794.99,51.3,699-97-60,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-H
574891.51,152914.15,188,699-97-61,_2015,Hexavalent Chromium,Y or N,GROUNDWATER WELL,R-X,1,1,MEAN_VALOR_ND_SRL,100-HR-D
574812.5,153319.89,23.06,699-98-50,_2020,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 1,100-HR-D
```

576308.83,150925.34,0,CP_100AGWM_15,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
572479.94,151122.11,0.5,CP_100AGWM_24,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
574669.06,154155.7,0.5,CP_100AGWM_25,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
576513.8,153983.53,0.5,CP_100AGWM_26,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
574062.33,150679.37,0.5,CP_100AGWM_27,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,100-D
578740.43,151954.69,7,CP_2022_20,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,
578486.07,151851.26,7,CP_4,SOFTDATA,Hexavalent Chromium,NA,NA,NA,NA,NA,SoftData Type 3,

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Appendix C

Software Installation and Checkout Form

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SOFTWARE INSTALLATION AND CHECKOUT

Software Owner Instructions:

Complete Fields 1-13, then run test cases in Field 14. Compare test case results listed in Field 15 to corresponding Test Report outputs. If results are the same, sign and date Field 19. If not, resolve differences and repeat above steps. Approve the installation of the code by signing and dating Field 21, then maintain form as part of the software support documentation.

GENERAL INFORMATION

1. Software Name: QUANTILE Version No.: 1.2

EXECUTABLE INFORMATION

2. Executable Name *(include path)*:

All executable files installed in directory [redacted]

Executable File Name	MD5 File Signature
quantile.exe	13C110242D96BE9FD472201DBF5253F0

3. Executable Size *(bytes)*: 899,072 bytes

COMPILATION INFORMATION

4. Hardware System *(i.e., property number or ID)*:

Compiled by vendor

5. Operating System *(include version number)*:

Windows

INSTALLATION AND CHECKOUT INFORMATION

6. Hardware System *(i.e., property number or ID)*:

Computer INTERA Property Tag 01187, Dell Precision 7670, Intel Core i9-12950HX @ 2.30 GHz, 16 GB of RAM

7. Operating System *(include version number)*:

Windows 11 Buisness

8. Open Problem Report? ☐ Yes ☒ No PR/CR No.:

TEST CASE INFORMATION

9. Directory/Path:

[redacted]

10. Procedures:

per CP-69640 Rev. 0, QUANTILE: Version 1.2 Software Management Plan

11. Libraries:

N/A

12. Input Files:

per CP-69640 Rev. 0, QUANTILE: Version 1.2 Software Management Plan

13. Output Files:

per CP-69640 Rev. 0, QUANTILE: Version 1.2 Software Management Plan

14. Test Cases:

per CP-69640 Rev. 0, QUANTILE: Version 1.2 Software Management Plan

15. Test Case Results:

Passed

16. Test Performed By: Elanor Heil

17. Test Results: ☒ Satisfactory, Accepted for Use ☐ Unsatisfactory

SOFTWARE INSTALLATION AND CHECKOUT (Continued)
18. Disposition *(include HISI update)*: Passed; HISI entry updated.

SOFTWARE INSTALLATION AND CHECKOUT (Continued)

19. Prepared By *(Software Owner)*:

Christopher Farrow

Print First and Last Name

CHRISTOPHER FARROW (Affiliate)

Digitally signed by CHRISTOPHER FARROW (Affiliate)
Date: 2025.11.04 09:18:18 -06'00'

Signature / Date

20. Test Personnel:

Title: Hydrogeochemist

Elanor Heil

Print First and Last Name

Elanor Heil

Digitally signed by Elanor Heil
Date: 2025.11.03 20:11:53 -05'00'

Signature / Date

Title:

Print First and Last Name

Signature / Date

Title:

Print First and Last Name

Signature / Date

21. Approved By *(Software SQA)*:

Timothy Mar

Print First and Last Name

Mar, Timothy S

Digitally signed by Mar, Timothy S
Date: 2025.11.04 07:28:01 -08'00'

Signature / Date

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