MONTGOMERY & ASSOCIATES
Water Resource Consultants

REPORT

July 17, 2020

Numerical Groundwater Flow Model for the Skunk Camp Tailings Storage Facility

Prepared for:

RESOLUTION COPPER

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Prepared for:

Resolution Copper Company

Superior, Arizona

Prepared by:

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Appendices

Appendix A. Tailings Buildout
Appendix B. Concentration Tables (attached as separate file)

1 EXECUTIVE SUMMARY

Resolution Copper Mining LLC (RC) is proposing an underground copper mine near the town of Superior, Pinal County, Arizona. The project includes the Skunk Camp Tailings Storage Facility (TSF) located approximately 3 miles northeast of the Asarco Ray Mining complex. The proposed Resolution Mine and Skunk Camp TSF alternative were described and evaluated in a Draft Environmental Impact Statement published by the Tonto National Forest (TNF) on August 9, 2019. In response to comments and to further the NEPA analysis, additional geologic, geotechnical, and hydrologic data was collected near the proposed facility (KCB Consultants Ltd. (KCBCL 2019; M&A 2020a; M&A 2020b, M&A 2020c). Additional site-specific data was incorporated into a regional numerical groundwater flow and transport model (Model) of the TSF. Montgomery & Associates (M&A) has prepared this report presenting the results of the Model including development, calibration, and predictive simulations in response to Water Working Group Action Item WR30 (Submittal of Skunk Camp Conceptual and Predictive Modeling Results).

In support of the Model, M&A and others conducted hydrogeologic investigations in the proposed TSF area that included borehole and well drilling, test pits, hydraulic testing, groundwater level monitoring, field verification of geologic maps, and literature reviews. These hydrogeologic investigations are detailed under separate cover (M&A, 2020b and M&A, 2020c) and compiled into a hydrogeologic conceptual model (M&A, 2020a). Additional data generally confirms the understanding of the geology, geologic units, geotechnical conditions and hydrogeologic units described in the Draft Environmental Impact Statement (DEIS). The conceptual hydrogeologic model and water balance for the project area covers the Dripping Spring Basin, a 259-square mile watershed drained by the Dripping Spring Wash. The climate of the study area is arid to semi-arid with mean annual precipitation of approximately 17.6 inches. Approximately 1.5%-3% of precipitation recharges to groundwater with recharge focused in alluvium and stream channels (M&A, 2020a).

The Model contains four hydrogeologic units (HGUs) delineated based upon the results of geologic and hydrogeologic investigations of the study area: Quaternary alluvium (Qal), Tertiary conglomerate (the Gila Formation (Tcg)), older limestones, quartzites and igneous units in the mountain block, and the Dripping Spring fault. Hydraulic properties for each of these HGUs were estimated from aquifer testing at Skunk Camp.

The Model was developed using USG-Transport. Model boundaries coincided with hydrologic boundaries from the conceptual model. The Model grid discretization (100 x 100 feet near the TSF and 500 x 500 feet elsewhere) is sufficient to support future predictive simulations of the TSF. The Model was calibrated to steady-state conditions, represented by average groundwater levels measured at 26 locations within Dripping Spring Wash. Calibration was performed

manually at first and then using the PEST calibration software. Model-simulated groundwater levels correspond to measured groundwater levels with a mean error of -3.56 feet, a mean absolute error of 29.8 feet, and a root mean squared error of 39.8 feet. Normalized by the range in observations, these statistics are -0.3%, 2.4%, and 3.2%, respectively, that are below the 10% limit for calibrated models indicating a well calibrated model (Rumbaugh and Rumbaugh, 2017). Furthermore, the simulated water budget aligns well with estimated water budget.

Following calibration, the steady state model was developed into a transient predictive model. Seven layers were added on top of the model to represent the buildout of the TSF. The TSF buildout is represented by four different materials: starter dams, embankments, scavenger tailings, and pyrite tailings. The predictive model runs for 441 years. The first 41 years represent the buildout of the TSF. The next 400 years represent post-closure TSF drain down.

KCBCL (2020b) developed a series of one-dimensional seepage models representative of areas across the TSF (i.e., models with different tailings properties and thicknesses). The estimated leakage from these models was applied to the TSF as a flux into the model. Specified leakage during operations and post-closure totals approximately 178,000 acre-feet during the 400-year simulation.

The predictive model was developed to predict water quality of groundwater and surface water downstream from the TSF. Seepage control measures in the design of the TSF included use of high density thickened / thin lift tailings deposition technology, low-permeability liners in the pyrite cells, finger drains under the main embankment, lined seepage collection channels along main embankment, shallow alluvial collection wells at the base of the embankment, a lined seepage collection pond with a pump back system and a grout curtain across the alluvial channel of the Dripping Spring Wash. Seepage control measures described in the DEIS have been confirmed and refined with post closure drainage reporting to Dripping Springs Wash (KCBCL, 2020b).

The transient, predictive model was run under two scenarios: Scenario 1 includes only liners in the pyrite cells and Scenario 2 includes all seepage controls described in the last paragraph. Results were evaluated at two locations: in groundwater near the TSF and in groundwater near the Gila River. Model results were compared to relevant groundwater and surface water standards. The most limiting constituent for seepage based on background concentrations in Dripping Spring Wash and TSF source concentrations is selenium. The most limiting constituent for surface water based on background concentrations at the Gila River and TSF source concentrations is copper. The Model confirms analysis described in the DEIS that concluded that the proposed facility can comply with ADEQ water quality standards at identified points of compliance (M&A, 2019). The modeling did not result in predicted concentrations above water quality standards for any constituent.

A preliminary groundwater point of compliance (POC) location was selected 750 feet downstream from the furthest downstream TSF infrastructure consistent with Arizona Department of Environmental Quality (ADEQ) Aquifer Protection Permit (APP) regulations. Under Scenario 1, with no seepage control measures, selenium is predicted to exceed groundwater quality standards at the groundwater POC. In Scenario 2, the addition of seepage control measures effectively reduces concentrations of selenium to beneath groundwater quality standards at the POC. This demonstrates that planned seepage control measures are effective at capturing seepage and preventing degradation of groundwater quality above regulated limits downstream of the POC.

For surface water, observations of simulated concentrations in Dripping Spring Wash near the Gila River show compliance with surface water standards throughout the duration of the simulation for both Scenario 1 and Scenario 2. Mixing of seepage with Gila River water, which would further dilute seepage, is not considered in this model. This further supports the conclusion that surface water quality standards are not likely to be exceeded by development of the Skunk Camp TSF long after closure.

2 INTRODUCTION

Resolution Copper (RC) is currently advancing the development of a copper mine near the town of Superior, Pinal County, Arizona. Recent investigations have included evaluation of the following five tailings storage facility (TSF) alternatives:

- Alternative 2: Near West Modified Proposed Action (Modified Centerline Embankment – "Wet")
- Alternative 3: Near West Modified Proposed Action (Modified Centerline – "Dry")
- Alternative 4: Silver King Filtered
- Alternative 5: Peg Leg
- Alternative 6: Skunk Camp

In response to public and agency comments on the Draft Environmental Impact Statement (USFS, 2019) and to further the NEPA analysis, the TNF requested additional analysis of the proposed Skunk Camp TSF per Water Work Group Action Item WR-30 (Submittal of Skunk Camp Conceptual and Predictive Modeling Results). As such, Montgomery & Associates (M&A) developed a predictive numerical groundwater flow and transport model (Model) for TSF Alternative 6, located in the Skunk Camp study area. The Model was prepared to provide predictions of impacts to the aquifer from the proposed TSF and evaluate designed seepage control measures to demonstrate compliance with groundwater and surface water standards. The proposed TSF location is approximately 3 miles northeast of the Asarco Ray Open Pit Mining Complex shown on Figure 2-1.

The Model explicitly represents the TSF in three dimensions through time to allow for the evaluation of groundwater flow directions and effectiveness of seepage control measures to maintain compliance with ADEQ Aquifer Water Quality Standards (AWQS) and demonstrate compliance with surface water standards in groundwater before the Gila River.

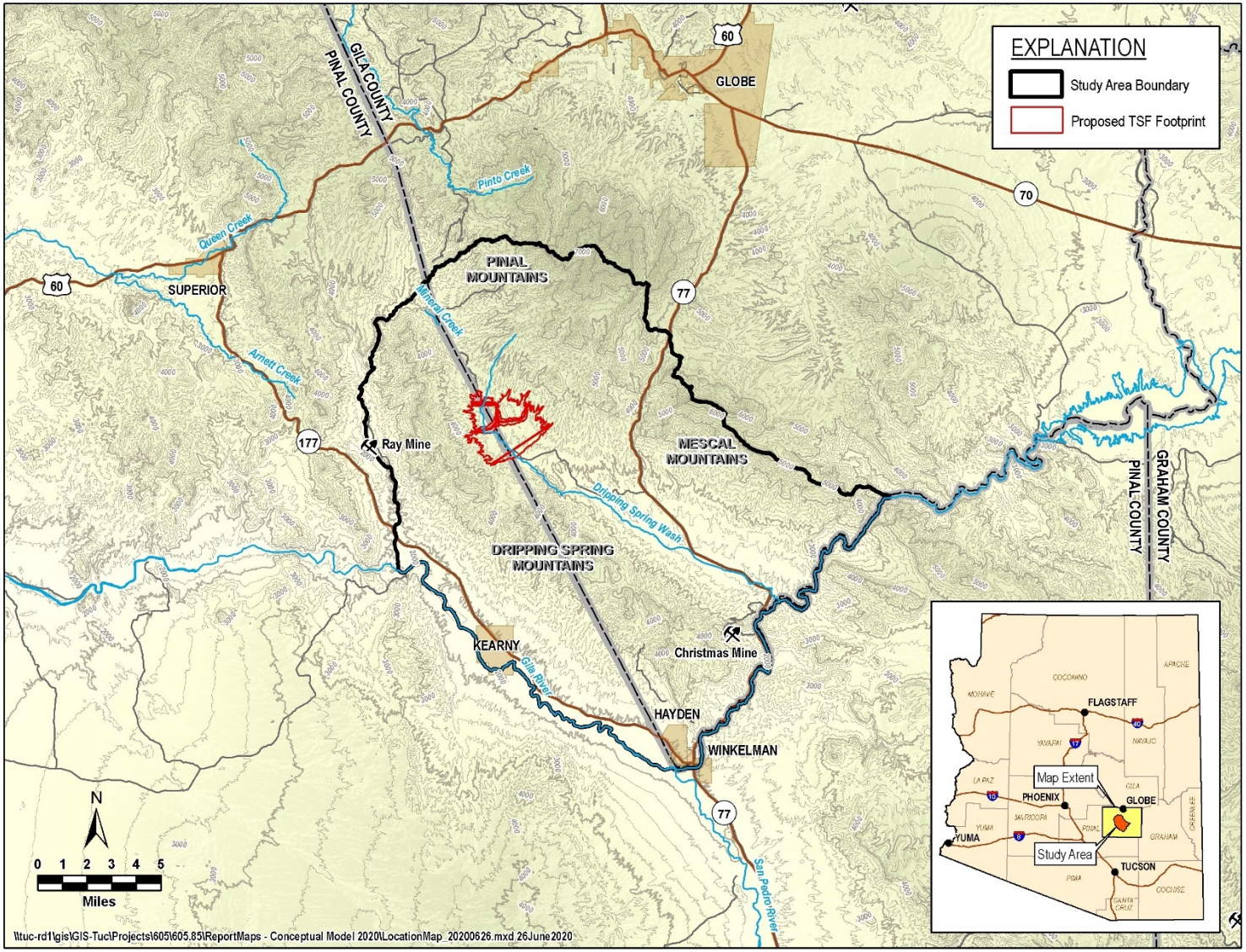

Figure 2-1. Site Location

3 OVERVIEW OF STUDY AREA

The Skunk Camp study area encompasses approximately 166,000 acres and is bounded by the Gila River to the south, Mineral Creek to the northwest, and the Pinal and Mescal Mountains to the east (Figure 3-1). The TSF sits entirely in Dripping Spring Wash, which drains southeast to the Gila River.

The study area occurs within the Transition Zone physiographic province of central Arizona. The Transition Zone is characterized by deeply incised drainages and rugged topography. Land surface elevation in the study area ranges from 7,848 feet above mean sea level (ft amsl) at Pinal Peak northeast of the proposed TSF to approximately 825 ft amsl at the bottom of the Ray Mine pit.

Climate of the study area is arid to semi-arid, with temperatures exceeding 100 degrees Fahrenheit (°F) in the summer in the lower elevation areas, and occasionally dipping below freezing in the winter. Precipitation typically occurs in two seasons, with strong, short-duration storms during the months of July through September, and longer-duration storms of moderate intensity during the months of November through March. While the vast majority of this precipitation falls in the form of rain, snowfall can occur in the winter months, particularly at higher elevations.

The study area is divided into two areas based on topography: Mineral Creek and Dripping Spring Wash. The locations of these areas are shown on Figure 3-1. The Mineral Creek subarea drains north and west, towards Mineral Creek and the Gila River, respectively. The proposed TSF would be in the Dripping Spring Wash subarea, which drains southeast along Dripping Spring Wash, towards the Gila River.

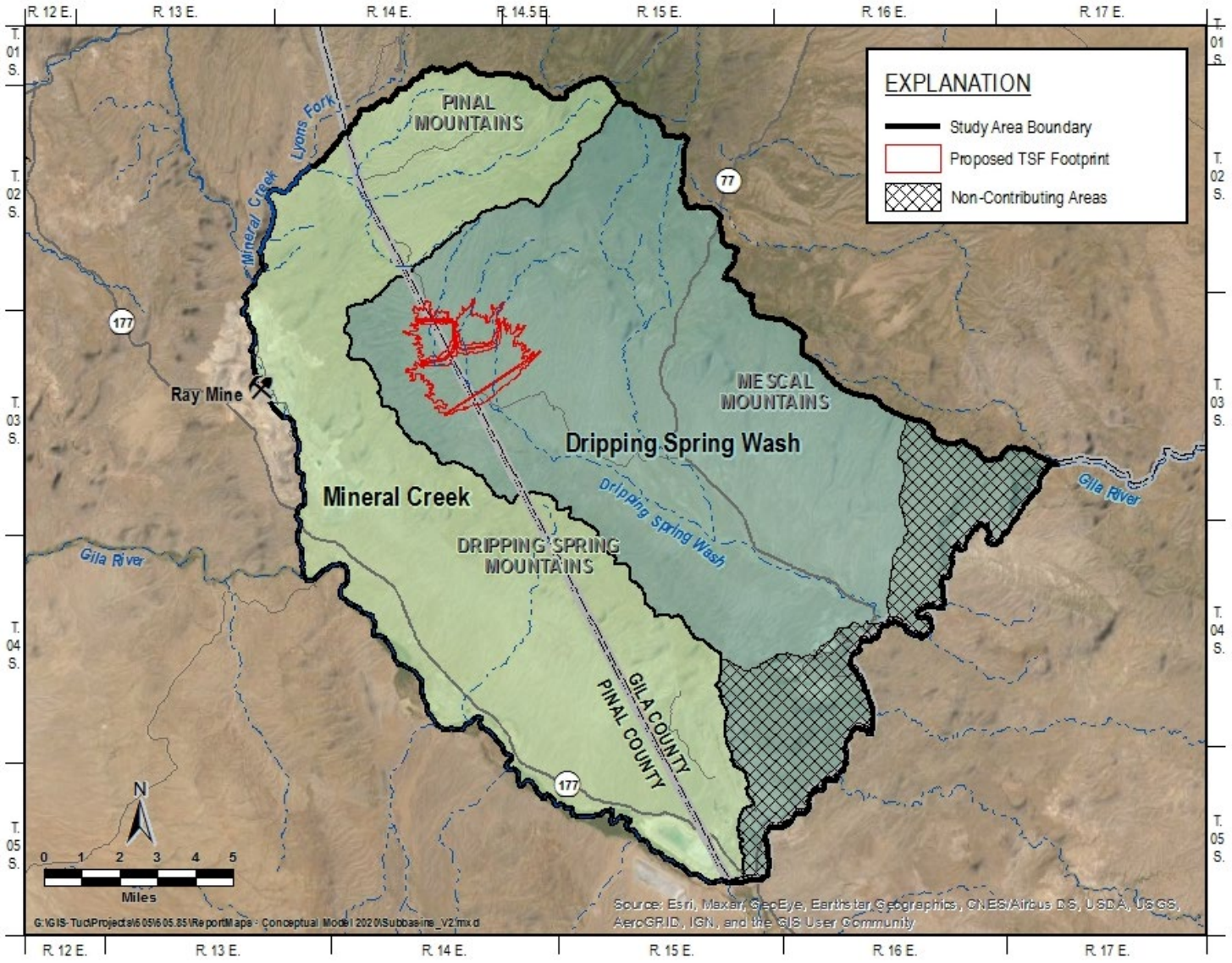

Figure 3-1. Subbasins

4 CONCEPTUAL MODEL

The hydrogeologic conceptual model is detailed in *Conceptual Hydrogeologic Model: Skunk Camp Tailings Storage Facility Alternative* (M&A 2020a). This section provides a brief overview of the conceptual model as it relates to the numerical model.

The project study area/model domain boundaries were established based on the conceptual model and are shown in Figure 4-1. The study area follows the Dripping Spring Wash watershed divide in the Mescal Mountains between Pinal Peak and the Gila River. From there it follows the Gila River until the confluence with Mineral Creek. The boundary continues from the Gila River up the historical route of Mineral Creek, which bisects Ray Mine, to the confluence of Mineral Creek with Lyons Fork. The watershed divide between the Lyons Fork and Mineral Creek, which extends to the top of Pinal Peak, forms the remainder of the study area boundary.

The Dripping Spring Valley is composed of Tertiary basin-fill deposits with Holocene alluvium along the active stream channels. The valley is flanked by bedrock mountain blocks units composed of sedimentary limestones, quartzites, and shales intruded by basalts and diabase ranging in age from Tertiary to Precambrian (Figure 4-1). Much of the proposed TSF facility is located on outcrops of variably weathered Tcg. North of Dripping Spring Valley within the study area the Tcg is known to be as thick as 2,900 feet along the western margin of the down-dropped fault block north of the TSF. Drilling and well records indicate the Gila is not as thick to the south of the Mineral Creek/Dripping Spring Wash divide, perhaps up to 1,500 feet at the margin of the fault.

Groundwater levels indicate that the gradient beneath Dripping Spring Wash is from the northwest to the southeast, towards the Gila River. Groundwater gradients along Mineral Creek and on the western side of the Dripping Spring Mountains indicate that groundwater discharges towards the Gila River and Mineral Creek (Figure 4-2). The Gila River and a portion of Mineral Creek flow perennially. ASARCO's Ray Mine is a local groundwater sink.

Vertical gradients are downward in the uplands closer to the mountains and upward near the valley bottom beneath Dripping Spring Wash. While the alluvium is not observed to be continuously saturated in the vicinity of the TSF, regional water levels are maintained near the base of the alluvium and the alluvium is further filled with water in response to infiltrated runoff after storm events. This suggests that although the alluvium does not support baseflow in Dripping Spring Wash, it has an important role in facilitating drainage of the basin during periods of excess water.

Geochemical analyses further support this conceptualization. Water sampled from the alluvium and shallow Tcg beneath Dripping Spring Wash show a mixture of high tritium recent runoff and

older groundwater with reduced carbon-14. Groundwater at depth closer to the mountain front is the oldest sampled at site supporting the idea that water at depth follows long, slow flow paths towards the center of the valley.

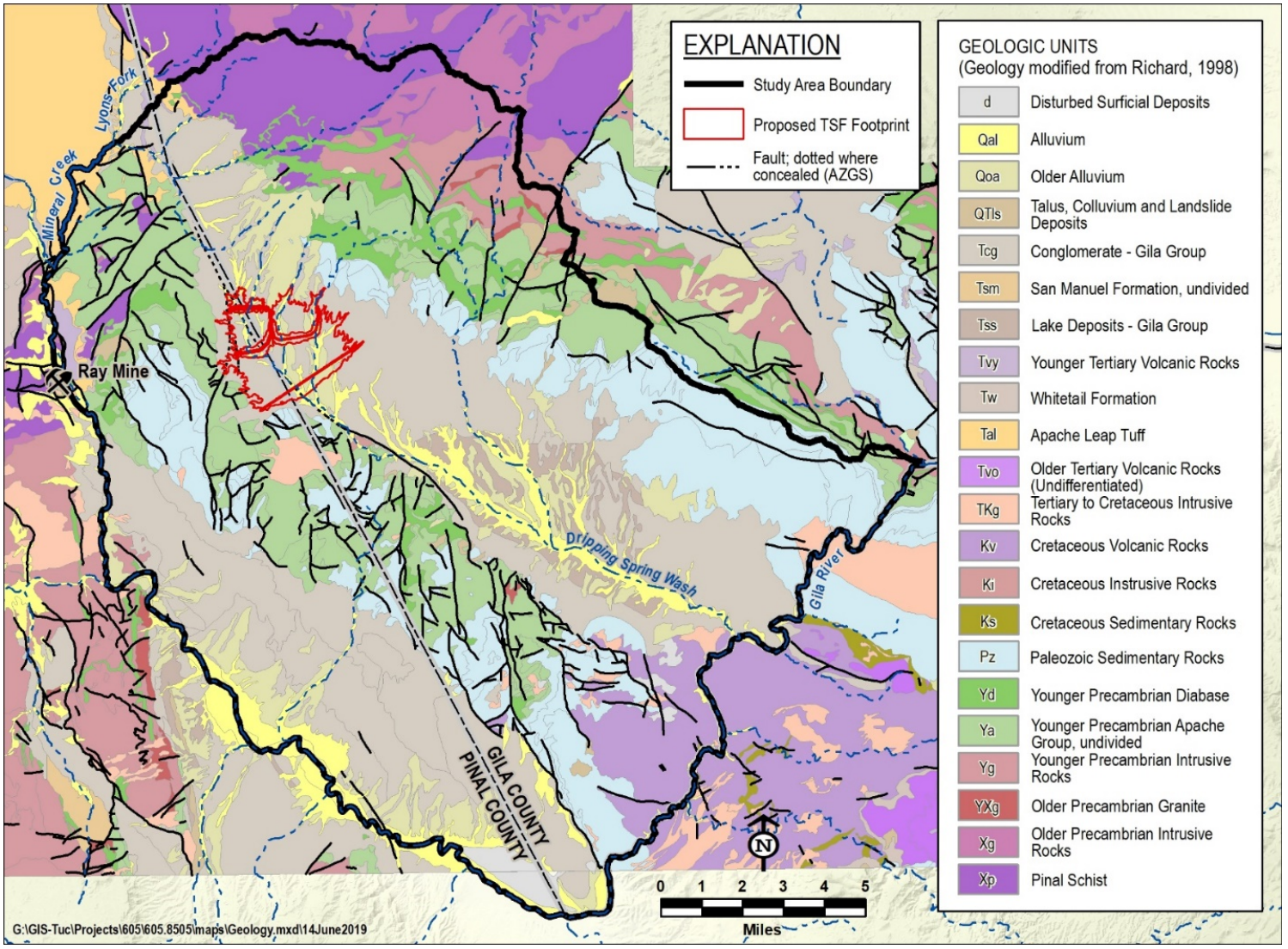

Figure 4-1. Geologic Map

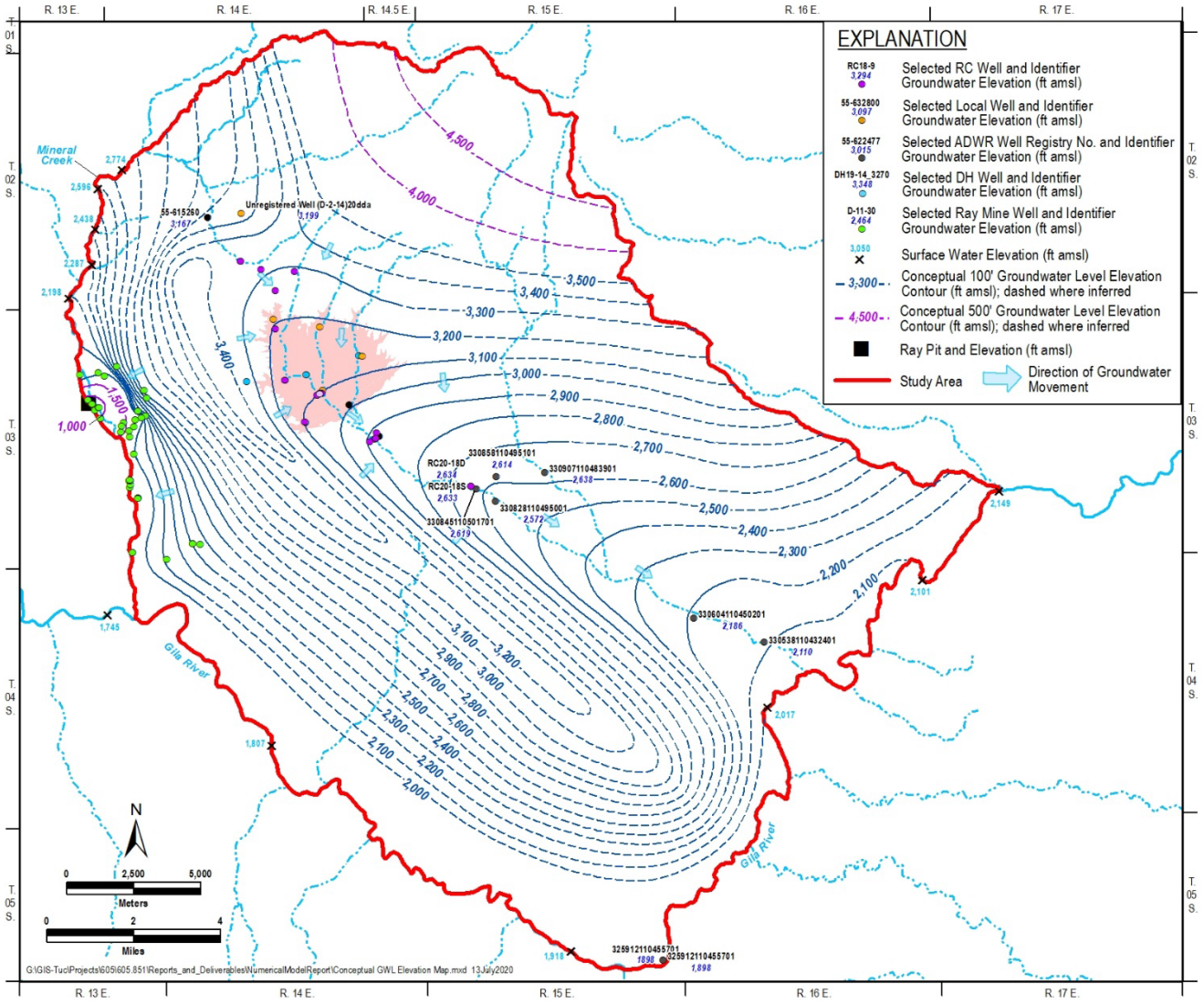

Figure 4-2. Groundwater Contours

The measured hydraulic conductivity of the Tertiary Gila Conglomerate in the TSF area ranges from $1.66x10^{-6}$ to $9.45x10^{-4}$ cm/sec with a geometric mean value of $1.69x10^{-4}$ centimeters per second (cm/sec) (Figure 4-3 and Table 4-1). The hydraulic conductivity of the Tcg is approximately one order of magnitude lower in the eastern portion of the TSF footprint suggesting that the hydraulic conductivities in the western portion of the TSF footprint may be influenced by the fault where the bulk of the investigations were focused.

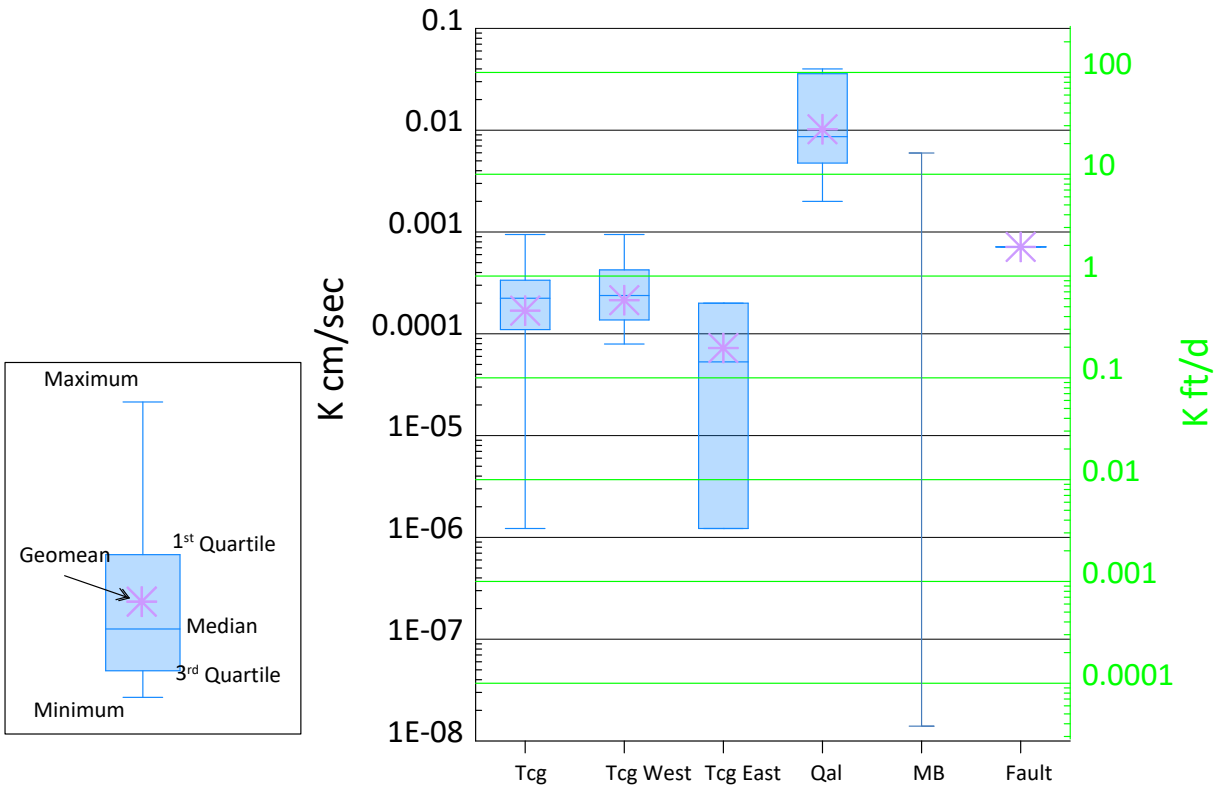

Figure 4-3. Range and Distribution of Hydraulic Conductivity for Each Hydrogeologic Unit

Table 4-1. Hydraulic Conductivity Values

HGU		Hydraulic Conductivity cm/sec				Data Source(s)
		Minimum	Geometric Mean	Median	Maximum	
Alluvium (Qal)		$2.00x10^{-3}$	$1.02x10^{-2}$	$8.65x10^{-3}$	$4.00x10^{-2}$	Aquifer Tests Conducted at Skunk Camp
Tertiary Conglomerate (Tcg)	All Data	$1.66x10^{-6}$	$1.69x10^{-4}$	$2.30x10^{-4}$	$9.45x10^{-4}$	
	West	$7.94x10^{-5}$	$2.51x10^{-4}$	$2.38x10^{-4}$	$9.45x10^{-4}$	
	East	$1.66x10^{-6}$	$2.60x10^{-5}$	$5.30x10^{-5}$	$2.00x10^{-4}$	
Dripping Spring Fault		$7.19x10^{-4}$				Two Aquifer Tests at One Well
Mountain Block		$1.40x10^{-8}$	$1.05x10^{-5}$	$5.99x10^{-6}$	$5.97x10^{-3}$	Various Aquifer Tests from Resolution Wells

In comparison to the rock units, the hydraulic conductivity of the Quaternary alluvial deposits is higher, approximately on the order of $1x10^{-2}$ cm/sec. Although the alluvial deposits are typically observed to be unsaturated, they represent relatively more conductive pathways for groundwater movement when water is present. This further supports the conceptualization that the alluvium has a role in draining both recent recharge and long-term groundwater discharge.

Hydraulic conductivity testing conducted in the mountain block units surrounding the Dripping Spring Valley is limited. Hydraulic conductivities of units that make up part of the Dripping Spring, Pinal, and Mescal mountains range over more than four orders of magnitude. However, the bulk hydraulic conductivity of the unit is expected to be controlled by the prevalence of diabase and connected fractures to the extent that they exist.

The Dripping Spring Fault is a dominant structural feature in the basin and appears to have some role in controlling groundwater flow. The fault was encountered during well drilling at well RC20-2D in the Bolsa Quartzite, outside the TSF footprint. Testing at the well indicated that the hydraulic conductivity of the well is $7.19x10^{-4}$ cm/sec which is higher than the adjacent Tcg by approximately ½ an order of magnitude. Within the Tcg, the fault was not observed directly, however, the hydraulic conductivities in the western portion of the TSF footprint, more proximal to the fault, are higher than hydraulic conductivities in the eastern portion of the TSF. The spatial distribution of the hydraulic conductivity in the Tcg suggests the fault may influence hydraulics within the Tcg.

Groundwater recharge from precipitation is expected to be in the range of 1.5%-3% of annual precipitation. Recharge does not occur uniformly throughout the study area; rather it is assumed

that recharge rates are higher in upland areas where precipitation is greater. A base estimate of recharge was developed using the method Anderson and others (1992) and is estimated to be 1.88% of annual precipitation or 4,012 acre-feet per year (AF/yr) (M&A 2020a).

Groundwater evapotranspiration (GET) ranges from 644 to 1,263 AF/yr (M&A 2020a). GET was estimated based upon data from 2008 to 2017 using NDVI and evaporative flux estimates from EEFLUX (application of the METRIC method). The rates represent an average annual rate calculated by taking the average of evaporation rates in January and June.

A groundwater balance for the basin was conducted and shows that precipitation-derived recharge is the only input to the groundwater system in the model domain. Outflows from the basin include groundwater evapotranspiration (23%) and groundwater discharge (77%). Although groundwater pumping occurs in the Dripping Spring Watershed, it is minimal and assumed to be returned to the groundwater flow system via septic tanks or lost to evapotranspiration; therefore, it is not included in the water budget. The estimated water budget for the basin is presented in Table 4-2.

Table 4-2. Summary of Water Budget Components

	AF/year
INFLOW	
Recharge	4,012
OUTFLOW	
Groundwater Evapotranspiration	955
Groundwater Discharge	3,057

5 NUMERICAL MODEL DEVELOPMENT

The Skunk Camp TSF numerical groundwater flow model was developed based on the conceptual model described in M&A (2020a) and summarized above in Section 4. Initially a steady state model was developed to simulate equilibrium groundwater conditions prior to construction of the Skunk Camp TSF. Following calibration of the steady state model, a transient-state model was developed to simulate the buildout of the TSF and transport of seepage within the underlying aquifer. Section 5 describes the development of the steady state model, Section 6 describes the steady-state model calibration, and Section 7 describes the development of the transient model.

5.1 Model Code

The model was developed using USG-Transport (Panday 2019; Panday and others 2013) and Groundwater Vistas 7, a graphical modeling interface (Rumbaugh and Rumbaugh, 2017). USG-Transport is an updated version of MODFLOW-USG (Panday and others, 2013). MODFLOW-USG is a version of the United States Geological Survey's MODFLOW groundwater flow model (McDonald and Harbaugh, 1988; Harbaugh and McDonald, 1996; Harbaugh and others, 2000; Harbaugh, 2005) that supports a wider variety of model grid types than previous versions of MODFLOW. The use of MODFLOW-USG to estimate groundwater transport is common industry practice and widely used to support groundwater impact analysis.

For this study USG-Transport was selected for its unstructured grid (USG) refinements around areas of interest (i.e., the TSF), the more robust solver and time-stepping options, and its various simulation packages including transport. USG-Transport uses an iterative algorithm to solve the equations governing groundwater flow. The model domain is divided into cells that represent a volume of the groundwater system, with a node at the center of each cell (block-centered approach). Each cell is assigned hydraulic properties (e.g., hydraulic conductivity (K) and storage) that represent average conditions within the cell allowing the hydraulic head at the node for each cell and the volumetric fluxes between the cells to be calculated.

The groundwater system in the Skunk Camp TSF Project area is simulated as an equivalent porous medium (EPM). Results from long-term aquifer testing showed multi-directional drawdown response in observation wells, generally supporting the concept that the groundwater system can be considered to behave as an EPM. In addition, during drilling and core logging, the Tcg which is the hydrogeologic unit beneath the TSF footprint, has not been observed to host significant fractures.

5.2 Model Grid and Layering

The model domain and boundary conditions are shown on Figure 5-1. The active model boundaries were selected such that their locations were at sufficient distances from the TSF to minimize artificial effects from model boundaries and also to coincide, when possible, with hydrographic or hydrogeologic boundaries. The active model grid covers an area of approximately 264 square miles and consists of 13 layers with 121,267 active model cells per layer. Horizontal grid cell dimensions are 500 by 500 feet away from the TSF and 100 by 100 feet in the vicinity of the proposed TSF. The more refined horizontal dimensions in the vicinity of the proposed TSF was chosen to provide additional resolution in defining the TSF and its underlying geology as well as limiting the effects of numerical dispersion in the transient, transport simulation.

Thirteen model layers are used to simulate the subsurface. Model layers mirror the land-surface topography and layer thicknesses vary to account for hydrogeological units of interest and to accommodate future engineering features of the TSF. Table 5-1 summarizes the model layering. The top of Layer 1 represents land surface. Layer 1 and layer 2 are 10 and 15 feet thick, respectively. Layers 3 through 4 are each 25 feet thick. The thicknesses to layers 1 through 5 were chosen to allow the model to represent shallow alluvium and seepage control measures. The remaining model layers represent deeper bedrock and have increasing thicknesses measures (see Table 5-1). The large thickness of the model is necessary to maintain saturated conditions at depth across the entire model domain.

Table 5-1. Model Layering

Layer	Thickness (feet)	Cumulative thickness (feet)
1	10	10
2	15	25
3-5	25	100
6	50	150
7	100	250
8	250	500
9-12	500	2500
13	3000	5500

Land surface elevations were based on a 30-meter digital elevation model (DEM) (ALOS World 3D by Japan Aerospace Exploration Agency (JAXA)). This DEM, based on data collected between 2006 and 2017 was selected because it includes the most recent Ray Mine pit elevation,

at 849 ft amsl. The elevations of model layers are a reflection of land surface elevations based on cumulative thicknesses in Table 5-1.

5.3 Model Boundaries

Model boundaries were established based on the conceptual model and are shown on Figure 5-1. The Dripping Spring Wash watershed divide in the Mescal Mountains between Pinal Peak and the Gila River (gray line on Figure 5-1) is represented as a no-flow boundary. The Gila River (blue line on Figure 5-1) is perennial and is represented as a constant-head boundary. The bottom of the Ray Mine pit is represented as a constant-head boundary. The historical route of Mineral Creek, which bisects Ray Mine, is depicted as a general-head boundary (orange line on Figure 5-1) to represent the sink formed by the Ray Mine pit dewatering. The reach of Mineral Creek from Ray Mine to the confluence with Lyons Fork (magenta line on Figure 5-1) is mostly perennial and is represented as a constant-head boundary. The divide between the Lyons Fork and Mineral Creek watersheds (black line on Figure 5-1), which extends to the top of Pinal Peak, is represented as a no-flow boundary.

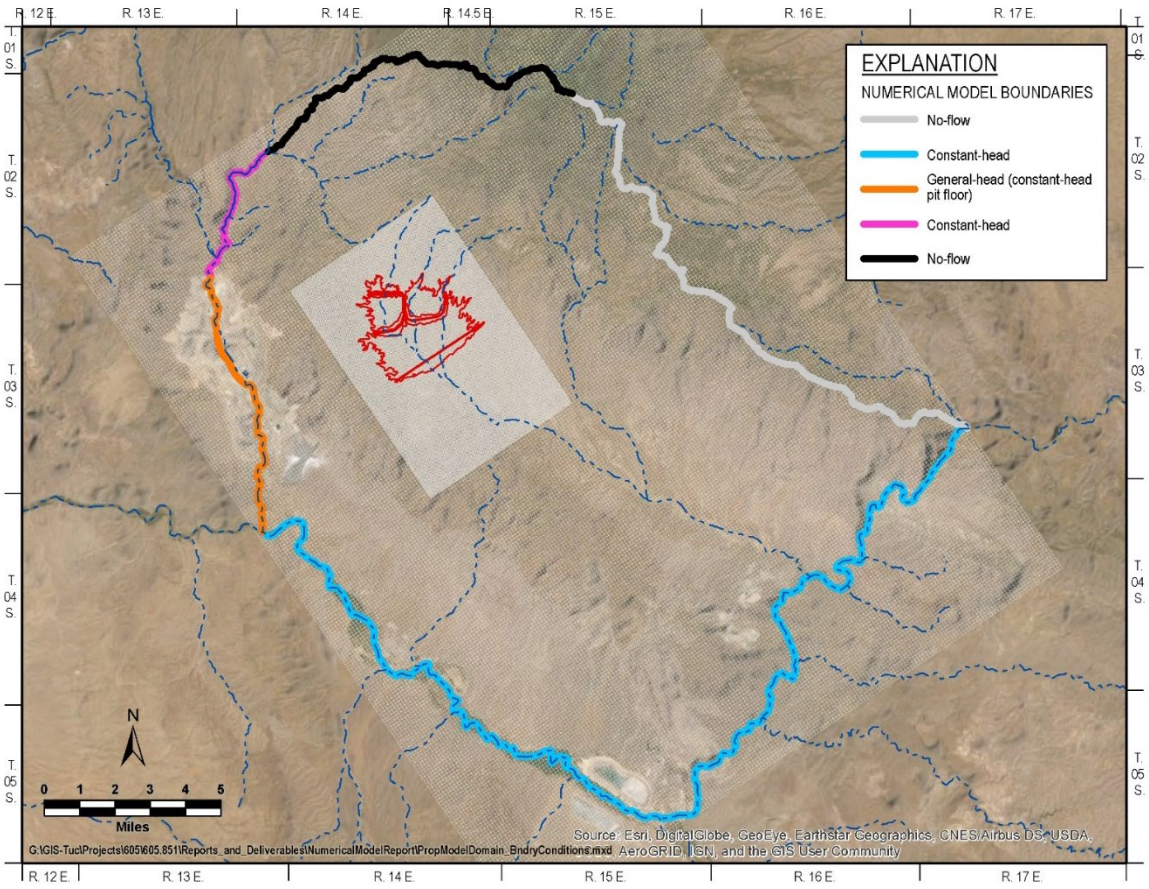

Figure 5-1. Model Grid and Boundaries

5.4 Hydrogeologic Units

Geological units present at the site include: Quaternary alluvial deposits, Tertiary conglomerate, Tertiary sandstone, Tertiary-Cretaceous intrusive igneous rocks, Cretaceous intrusive igneous rocks, Paleozoic sedimentary rocks, younger Precambrian intrusive igneous rocks, younger Precambrian sedimentary rocks, Precambrian intrusive igneous rocks, and older Precambrian metamorphic rocks.

The numerical model contains a simplified representation of the hydrogeology of the site that consolidates individual geological units into four hydrogeologic units (HGUs) that control the movement of groundwater at the site: Quaternary Alluvium (Qal), Tertiary Conglomerate (Tcg), the Mountain Block bedrock (b) comprising the Dripping Spring, Mescal, and Pinal Mountains and underlying the entire model, and the Dripping Spring Fault. Table 5-2 correlates the model HGUs to geologic formations present at the site.

Table 5-2. Principal Hydrogeologic Units

Hydrogeologic Unit (HGU) Name	HGU Abbreviation	Geologic Unit Equivalents
Quaternary Alluvium	Qal	Qal
Tertiary Conglomerate	Tcg	
Quaternary older alluvium		Qoa
Conglomerate		Tcg
Sandstone		Tss
Mountain Block units	b	
Tertiary and Cretaceous Intrusive Rocks		TKg, Ki
Paleozoic Sedimentary Rocks		Pz
Younger Precambrian Diabase		Yd
Troy Quartzite		Ya
Younger Precambrian Apache Group		Ya
Older Precambrian Intrusive Rocks		Yg, YXg, Xg
Older Precambrian Pinal Schist		Xp
Dripping Spring Fault	-	-

[a] Abbreviations correlate with the formation abbreviations shown in the explanation of Figure 4-1.

To facilitate calibration, three of the four HGUs were split into zones within the model. The Quaternary Alluvium (Qal) HGU comprises two model zones, one within Dripping Spring Wash and the other along the southern and western extent of the model. Likewise, the Tertiary Conglomerate (Tcg) HGU was divided into two zones, one in Dripping Spring Wash and the other to the west of the Dripping Spring Mountains. The Mountain Block (b) HGU was also divided into two model zones along the Dripping Spring Fault (east and west mountain block zones). Due to its apparent hydraulic importance, the Dripping Spring Fault was also included as

a model zone resulting in a total of seven model zones. The model zones within each model layer are depicted on Figure 5-2 and Figure 5-3.

5.4.1 Simulated Hydraulic Conductivity

Zones within the model were assigned hydraulic properties (i.e., hydraulic conductivity, specific yield, etc.) based upon their respective HGU. The hydraulic properties of the HGUs were based on aquifer testing and literature values. Initial hydraulic conductivity values applied to the model (Table 5-3) were the geometric mean of the aquifer testing and were within ranges estimated from aquifer testing in the Skunk Camp Area and other testing performed for Resolution Copper (see Figure 4-3 and Table 4-1).

Table 5-3. Initial Model Hydraulic Conductivity Values

HGU	Hydraulic Conductivity cm/sec
	Initial Model Value (Geometric Mean)
Alluvium (Qal)	1.02×10^{-2}
Tertiary Conglomerate (Tcg)	1.69×10^{-4}
Mountain Block (East and West)	1.05×10^{-5}
Dripping Spring Fault	3×10^{-3}

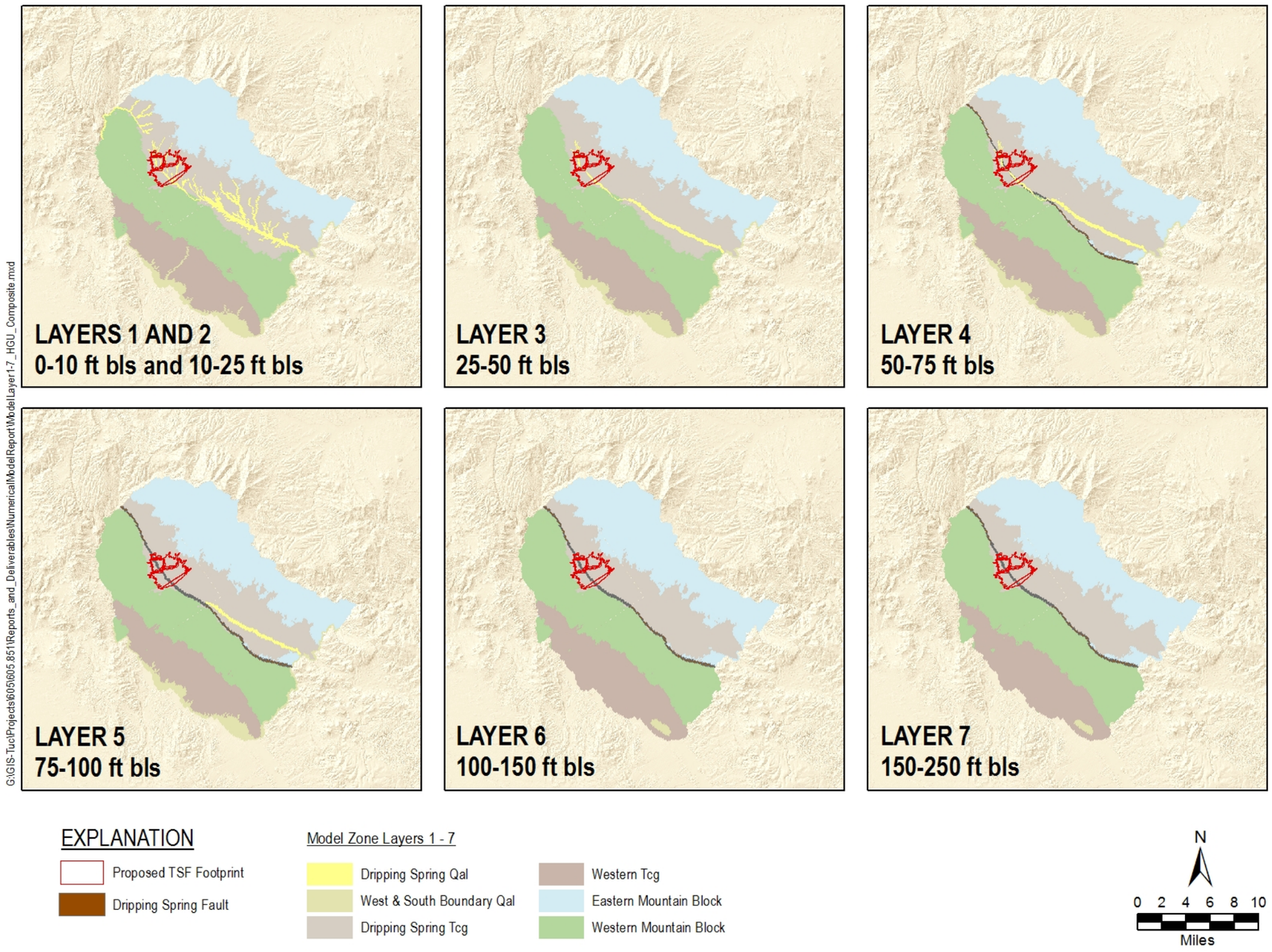

Figure 5-2. Model Layers 1-7 Hydrostratigraphic Units and Zones

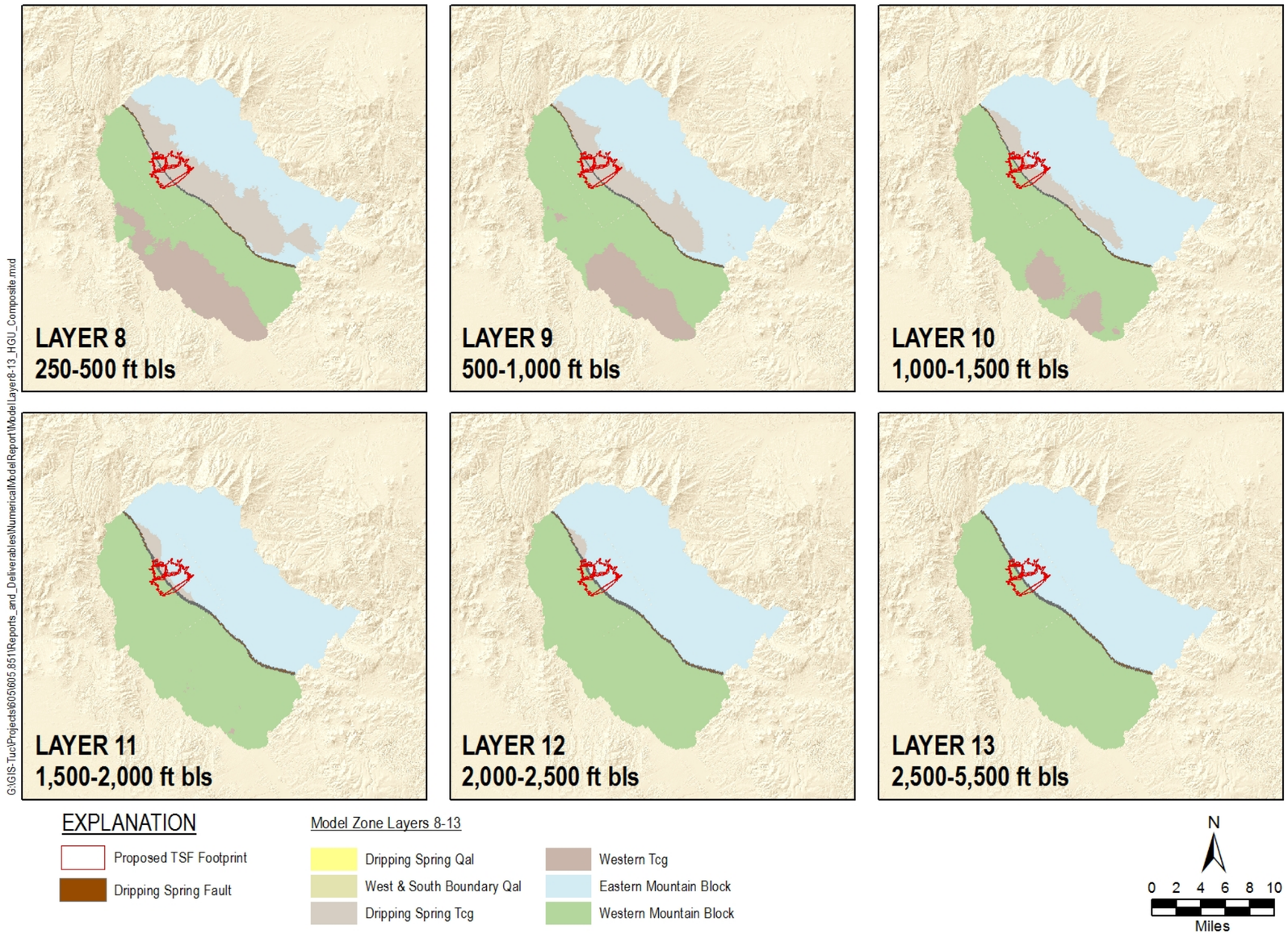

Figure 5-3. Model Layers 8-13 Hydrostratigraphic Units and Zones

5.5 Recharge

The distribution of simulated recharge rates is shown on Figure 5-4. Before calibration, the USG-Transport recharge (RCH) package was used to simulate total estimated recharge of 4,012 AF/yr, which is consistent with the conceptual model (Section 4, and M&A 2020a). Since recharge is likely concentrated along stream drainages (Meixner and others, 2016), 50% of the modeled recharge was applied to the Qal within Dripping Spring Wash and the other 50% was distributed across the watershed based on the rate of precipitation. This recharge distribution is depicted on Figure 5-4. During model calibration the model recharge was varied uniformly via a multiplier (i.e., the recharge distribution was multiplied by a constant multiplier that was varied).

5.6 Groundwater Evapotranspiration

USG-Transport's evapotranspiration segments (ETS) package was used to simulate GET in the locations identified based on a review of NDVI imagery (Section 4, and M&A 2020a). ETS simulates GET based on the model-simulated head at each node where GET is specified to occur. The actual GET rate computed by ETS can range from a user-specified maximum (when the simulated water table is at or above a given elevation) to zero (when the simulated water table falls below a user-specified extinction depth, below which no GET is assumed to occur).

An average evapotranspiration rate of 955 AF/yr was specified in the model. However, the actual simulated GET is 803 AF/yr because GET is dependent upon model water levels and depth to water was too great in some cells with GET specified, reducing simulated GET. Simulated groundwater evapotranspiration locations are shown on Figure 5-5.

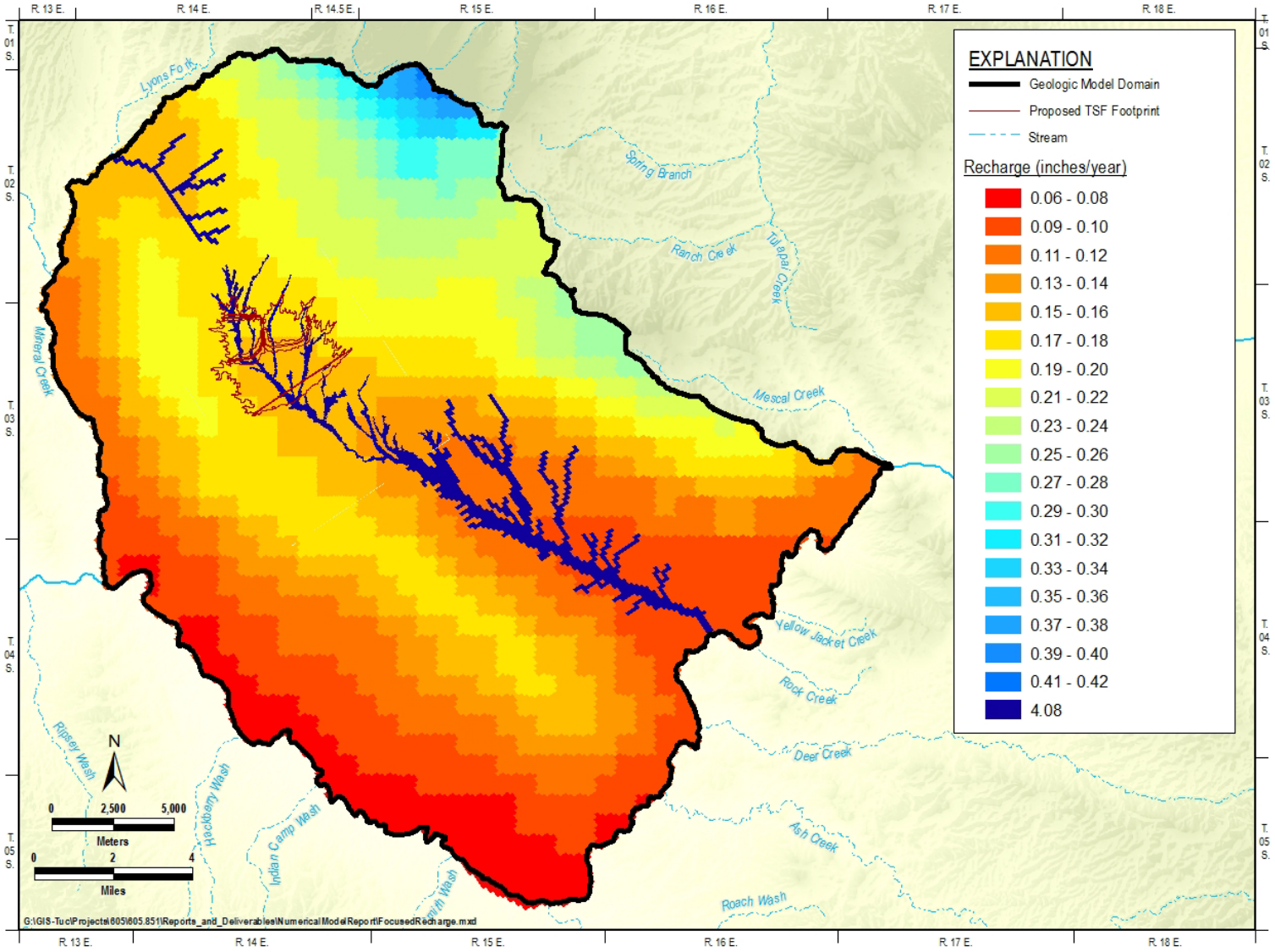

Figure 5-4. Initial Distribution of Recharge

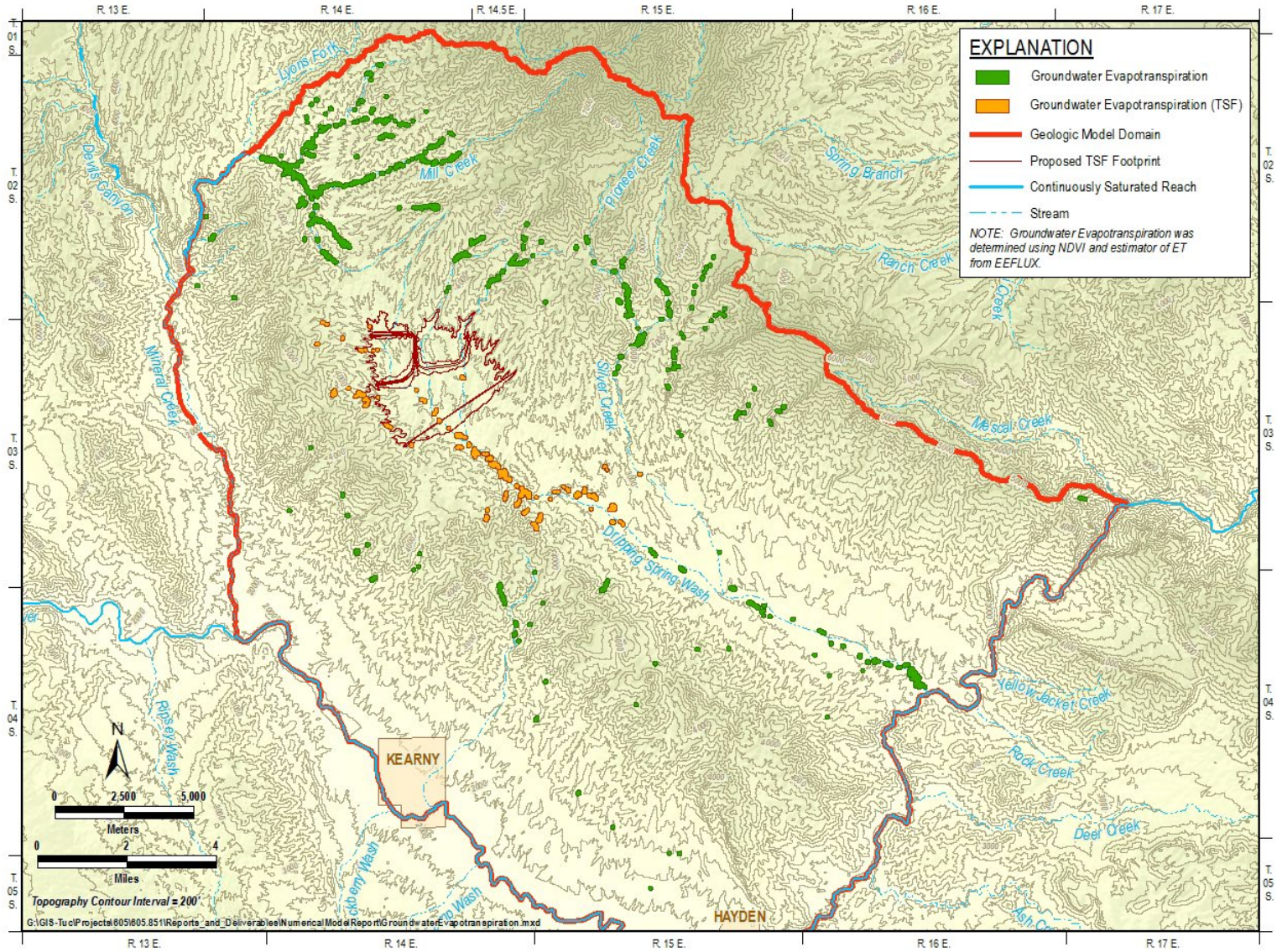

Figure 5-5. Groundwater Evapotranspiration

6 STEADY-STATE MODEL CALIBRATION

6.1 Methodology

Calibration is the iterative process of adjusting parameters and/or model configuration so that the simulated water level values match the observed values – this is called history matching. Adjusting the model configuration and/or adjusting model parameters during calibration may lead to differences with the conceptual model. These differences are important to the calibration process as they force the modeler to question, re-evaluate and oftentimes update the conceptual model. The groundwater flow model was calibrated to water levels estimated from historical hydrographs at 26 locations throughout the Skunk Camp area (see Section 6.1.1). The model was calibrated at first manually via an iterative process and then using the model-independent parameter estimation optimization program PEST (Watermark Computing, 2018).

Parameters optimized during calibration are as follows:

- Horizontal hydraulic conductivity (K_h);
- Vertical hydraulic conductivity anisotropy (K_h/K_v); and,
- Recharge (via a recharge multiplier).

A model is said to be calibrated when its "goodness-of-fit" is sufficient for the modeling objectives. Although, there are a number of calibration statistics proposed in literature, there is no standard set of statistics by the modeling community used for assessing calibration or "goodness-or-fit" (Anderson and others, 2015). The calibration of this model was evaluated using several common calibration statistics and plots.

The model calibration was assessed in a number of ways:

- Visual comparison of a simulated water level contour map compared to the conceptual groundwater contours (Figure 4-2).
- Visual inspection and spatial distribution of model residuals (model residual is the measured value minus the simulated value)
    - Relative residual magnitude
    - Over and under simulated scatter (i.e., spatial distribution of positive and negative residuals)
- Scatter along the 1:1 line when plotting the measured values versus the simulated values.

- Comparison of calibrated model parameters with parameters determined from site measurement and testing

Model calibration is quantified using several residual statistics:

- *Mean Error* (ME). The ME is the mean of the residuals.
- *Mean Absolute Error* (MAE). The MAE is the mean of the absolute values of the residuals.
- *Root Mean Squared Error* (RMSE). The RMSE is the square root of the average of the squared residuals.

All three of these statistics have units of length (when calculated using head targets) and generally these statistics are presented in terms of percentage of the range in measured values. Models with percentages of these statistics less than 10% are generally accepted as calibrated, along with the above subjective qualifiers (Rumbaugh and Rumbaugh, 2017).

6.1.1 Water Level Targets

Figure 6-1 shows the locations of water level targets used in model calibration. Available water levels at each location were utilized and averaged to determine the water level calibration value.

6.2 Calibration to Steady-State Water Levels

The model was calibrated to observed steady-state water levels (see Section 6.1.1) by adjusting model parameters. As mentioned at the beginning of this section, hydraulic conductivity (K_h), vertical hydraulic conductivity anisotropy (K_h/K_V), and total model recharge were varied during the calibration. The hydraulic conductivity in four of the seven model zones (see Section 5.4) were uniform within the zones. These zones (east and west mountain blocks, west Tcg, and Qal along the southern and western model boundary) were each varied uniformly during calibration. The hydraulic conductivity in the other three model zones (Tcg and Qal in Dripping Spring Wash and the Dripping Spring Fault) was allowed to vary as a continuous field within each zone through the pilot point method (Doherty and others, 2010).

For each model zone defined as a continuous field, pilot points were assigned within the given model zone with the hydraulic conductivity values (K_h or K_h/K_V) of each cell assigned through interpolation (by kriging) between pilot points. Initial hydraulic conductivity values at the pilot points were assigned either as values from aquifer testing where available (i.e., pilot points were placed at locations of aquifer testing) or as the geometric mean of the hydraulic conductivity of the given HGU. Hydraulic conductivity (both K_h and K_h/K_V) at each pilot point was varied during calibration (i.e., each pilot point was a K_h and K_h/K_V model parameter). Pilot points used

during model calibration are shown on Figure 6-2, Figure 6-3, and Figure 6-4 for the Dripping Spring Wash Qal, Tcg, and Dripping Spring Fault respectively.

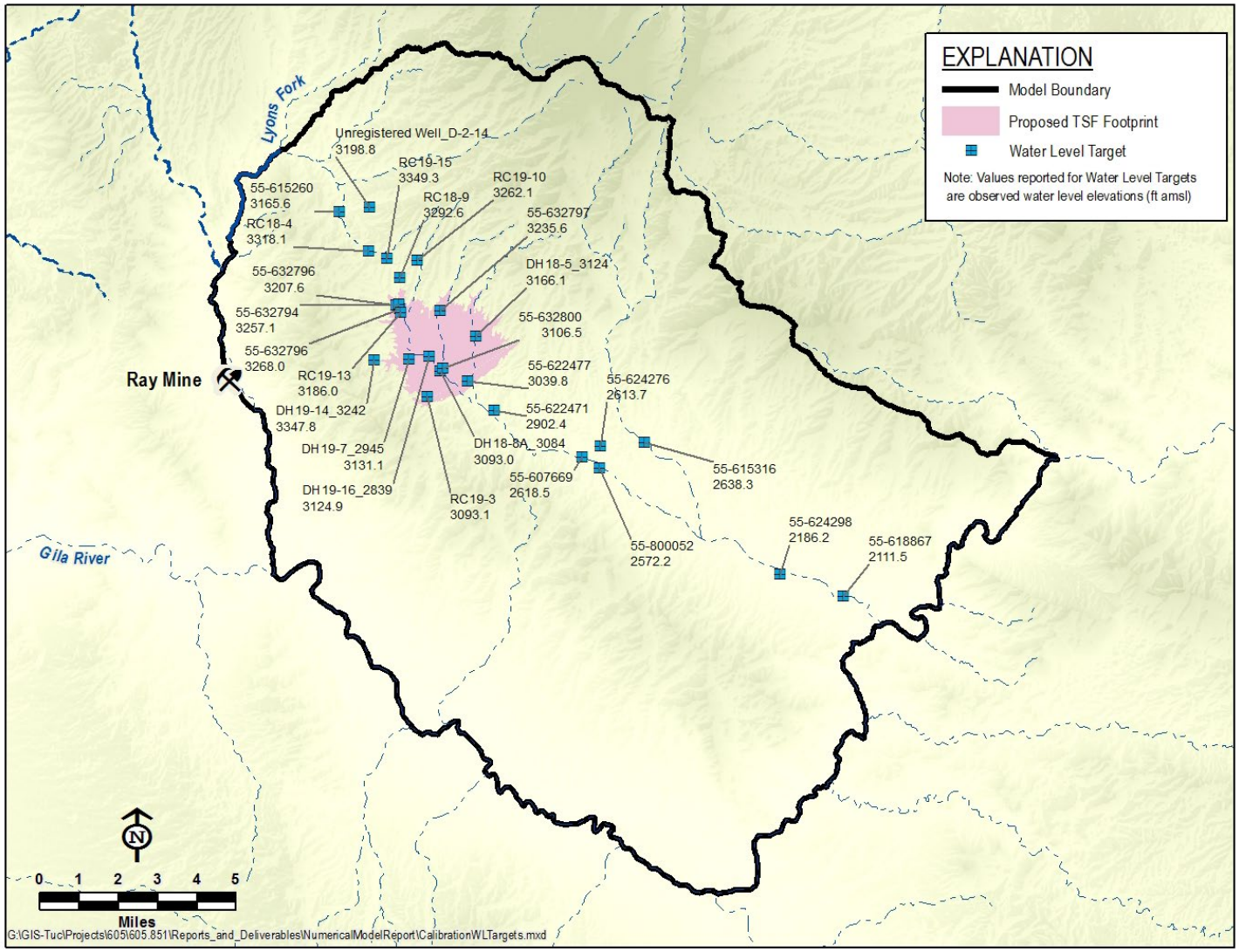

Figure 6-1. Location of Water Level Target

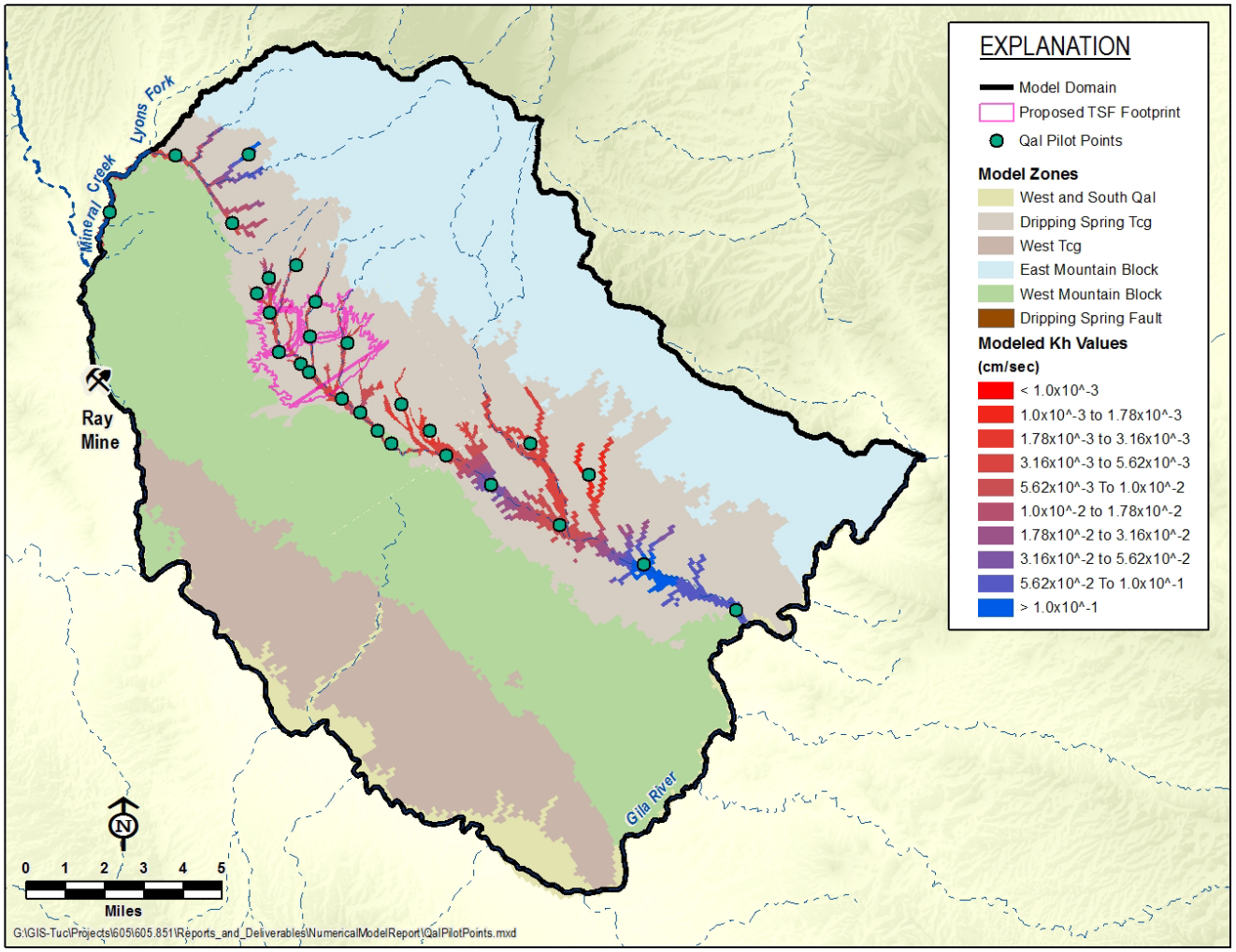

Figure 6-2. Pilot Points Within The Qal

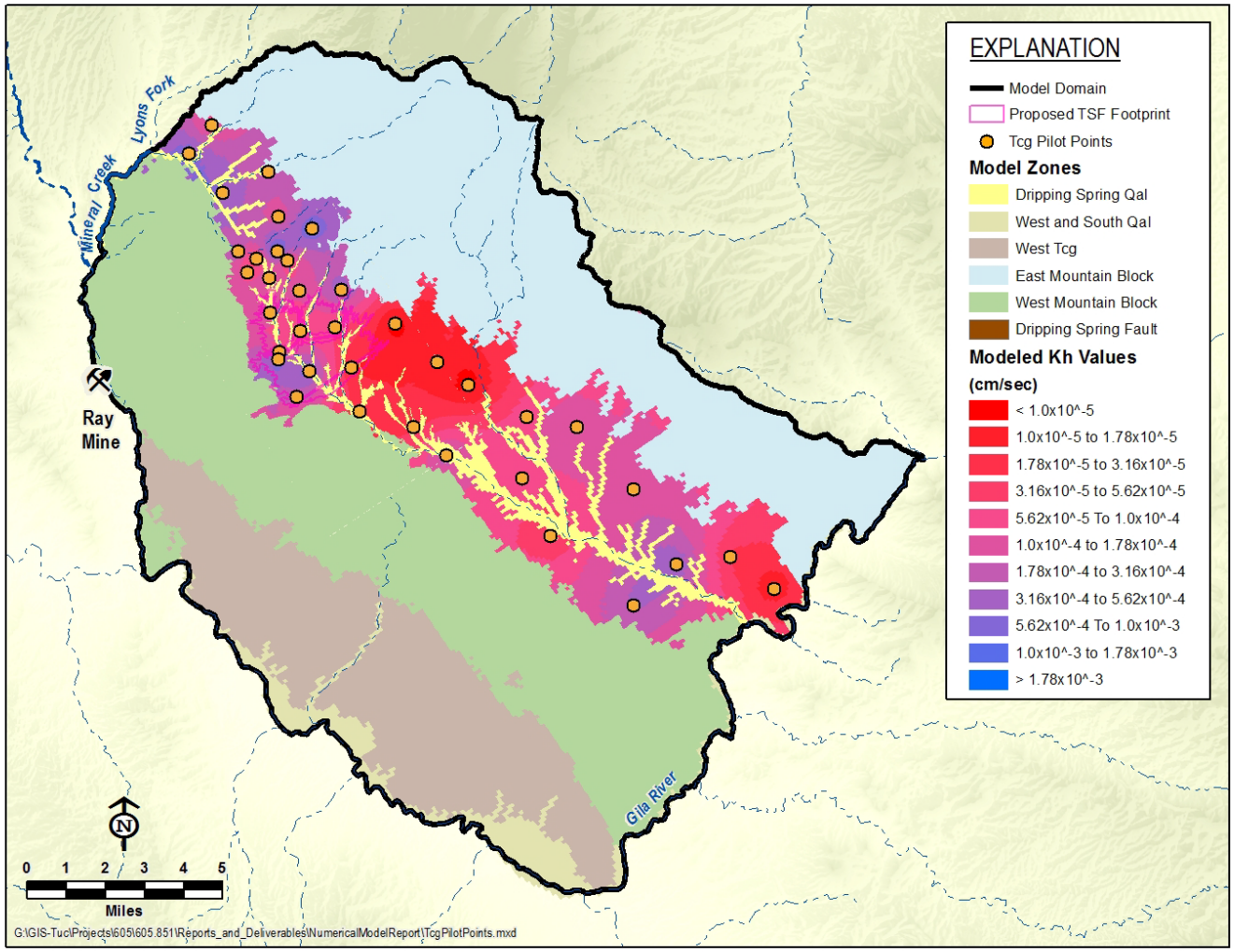

Figure 6-3. Pilot Points Within The Tcg

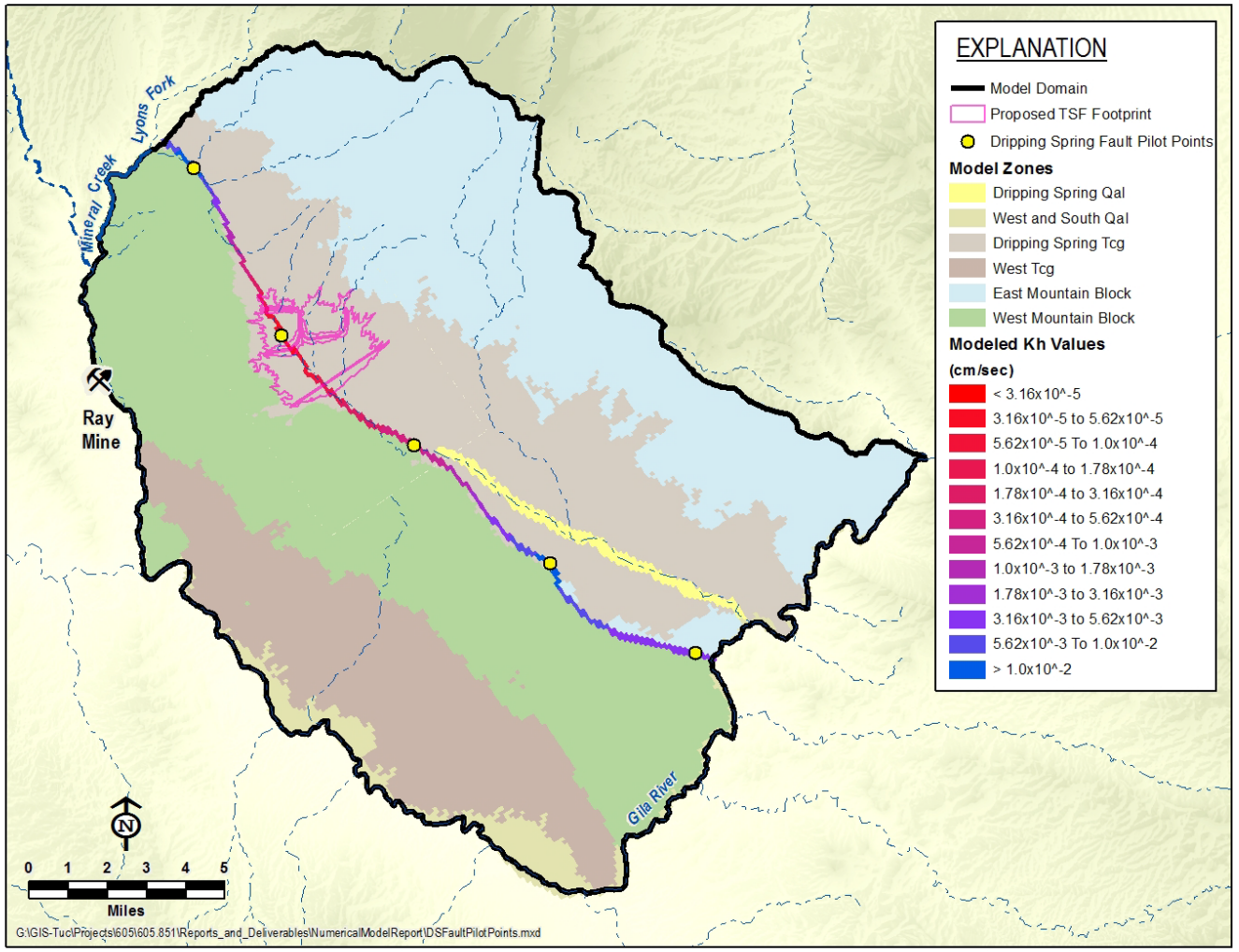

Figure 6-4. Pilot Points Within The Dripping Spring Fault

During the calibration process the horizontal hydraulic conductivity of the pilot points were generally kept within one order of magnitude of their geometric mean values and within the ranges of hydraulic conductivity estimated from aquifer testing (Figure 4-3). Vertical hydraulic conductivity anisotropy of the Tcg and Qal was limited to be between 1 and 100 because the horizontal hydraulic conductivity was observed to be greater than vertical hydraulic conductivity based on lab analyses (KCBCL, 2019). The vertical hydraulic conductivity anisotropy of the Dripping Spring Fault was allowed to vary from 0.01 to 100 because the orientation of the fault implies vertical hydraulic conductivity could be larger than horizontal. Figure 6-2,Figure 6-3, and Figure 6-4 also show the calibrated horizonal hydraulic conductivity within the three pilot point zones. Summary of the calibrated hydraulic conductivity within each model zone is listed in Table 6-1 and shown on Figure 6-5. As was noted in the conceptual model report (M&A 2020a), a marked difference was observed in the hydraulic conductivity of the Tcg on the east and west sides of the TSF footprint. This remained the case after calibration with the west side hydraulic conductivity being approximately twice that of the east side (see the geometric mean and median values of the east and west sides as listed in (Table 6-1).

Table 6-1. Calibrated Hydraulic Conductivity

HGU			Horizontal Hydraulic Conductivity cm/sec			
			Minimum	Geometric Mean	Median	Maximum
Dripping Spring Qal	Entire HGU		5.89×10^{-4}	8.69×10^{-3}	6.75×10^{-3}	2.18×10^{-1}
	Vicinity of TSF		3.46×10^{-3}	8.41×10^{-3}	7.91×10^{-3}	3.53×10^{-2}
Qal West & South of Dripping Spring Valley			3.13×10^{-2}			
Dripping Spring Tcg	Entire HGU		6.39×10^{-6}	1.08×10^{-4}	9.63×10^{-5}	2.61×10^{-3}
	Vicinity of TSF	TSF Area	7.34×10^{-6}	1.12×10^{-4}	9.63×10^{-5}	2.61×10^{-3}
		East TSF	7.34×10^{-6}	6.50×10^{-5}	5.77×10^{-5}	1.00×10^{-3}
		West TSF	2.03×10^{-5}	1.27×10^{-4}	1.16×10^{-4}	1.05×10^{-3}
Tcg West			2.15×10^{-4}			
West Mountain Block			3.70×10^{-7}			
East Mountain Block			7.51×10^{-7}			
Dripping Spring Fault			3.13×10^{-5}	7.19×10^{-4}	3.62×10^{-3}	1.47×10^{-2}

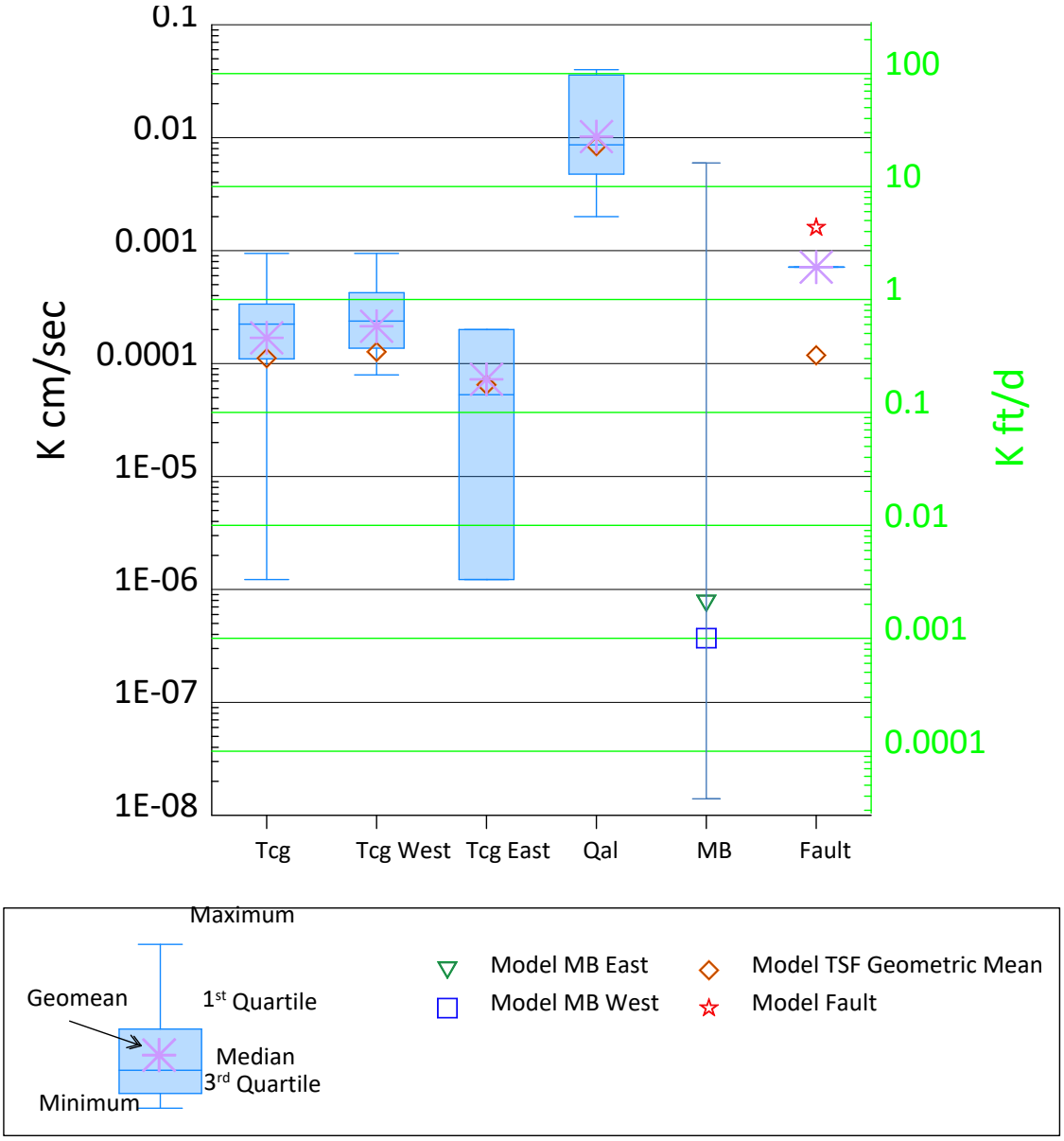

Figure 6-5. Calibrated Horizontal Hydraulic Conductivity Ranges

Figure 6-6 depicts the simulated steady-state groundwater contours. Similar to the estimated or conceptual groundwater contours, the simulated water levels are elevated in the upland areas (Pinal, Mescal, and Dripping Spring Mountains). These elevated water levels in the upland areas create a hydrologic divide resulting in water flowing into the Dripping Spring Wash and then down the wash. This hydrologic divide separates the proposed TSF from Ray Mine to the west. With water levels in Dripping Spring Wash lower relative to the surrounding mountains, groundwater is estimated to flow down the wash from the TSF towards the Gila River.

The differences, or "residuals", calculated by subtracting the simulated groundwater levels from the measured groundwater level targets, are visualized on Figure 6-7 and listed in Table 6-2. Of note on Figure 6-6 is that the residuals along Dripping Spring Wash are both positive and negative and are indicative of simulated water levels that aren't systematically high or low but pass through the middle. This is also clearly evident in the cross plot of the measured and simulated data (see Figure 6-7). The measured and simulated water levels lie both above and below the 1:1 line and have a good correlation with a coefficient of determination (r^2) equal to 0.99 (an r^2 of 1.0 indicates a perfect model calibration and values close to one indicate a good calibration).

Table 6-2. Water Level Calibration Targets

Name	Easting (m)	Northing (m)	Observed (feet)	Computed (feet)	Residual (feet)
55-607669	1,029,926	782,085	2,618.5	2,616.6	1.9
55-615316	1,038,246	784,113	2,638.3	2,652.9	-14.6
55-618867	1,065,013	763,381	2,111.5	2,133.3	-21.8
55-622471	1,018,092	788,483	2,902.4	2,913.4	-11.0
55-622477	1,014,457	792,345	3,039.8	3,076.3	-36.5
55-624276	1,032,376	783,576	2,613.7	2,622.4	-8.7
55-624298	1,056,471	766,317	2,186.2	2,221.8	-35.6
55-632796	1,005,355	802,095	3,268.0	3,228.7	39.3
55-800052	1,032,245	780,613	2,572.2	2,572.3	-0.1
DH18-5_3124	1,015,614	798,356	3,166.1	3,174.7	-8.7
DH18-8A_3084	1,010,856	793,711	3,093.0	3,115.7	-22.8
DH19-14_3242	1,001,954	795,177	3,347.8	3,312.8	35.0
DH19-16_2839	1,009,344	795,683	3,124.9	3,132.8	-7.9
DH19-7_2945	1,006,566	795,373	3,131.1	3,139.9	-8.9
55-632796	1,004,878	802,569	3,207.6	3,232.7	-25.1
55-632794	1,005,213	802,745	3,257.1	3,233.3	23.8
55-632800	1,011,191	794,077	3,106.5	3,116.4	-9.9
RC18-4	1,001,151	809,837	3,318.1	3,248.0	70.0
RC18-9	1,005,426	806,269	3,292.6	3,255.7	37.0
RC19-10	1,007,784	808,571	3,262.1	3,249.5	12.5
RC19-13	1,005,467	801,570	3,186.0	3,223.9	-37.9
RC19-15	1,003,615	808,854	3,349.3	3,253.7	95.6
RC19-3	1,009,065	790,263	3,093.1	3,116.8	-23.7
55-632797	1,010,850	801,836	3,235.6	3,209.8	25.8
Unregistered Well_D-2-14	1,001,309	815,714	3,198.8	3,248.9	-50.1
55-615260	997,218	815,206	3,165.6	3,275.8	-110.3

The ME, the average difference between observed and simulated groundwater altitudes, is -3.6 feet. The ME is a general indicator of model bias with a smaller number (i.e., the -3.6 feet reported for this model) indicating that on average the simulated water levels aren't too high or too low. The MAE, the average of the absolute value of difference between observed and simulated groundwater altitudes, is 29.8 feet and represents the magnitude of the difference between observed and simulated groundwater altitudes. The MAE is a better indicator of model calibration compared to ME as it indicates the average magnitude of the model residuals. Similar to the MAE, the RMSE is 39.8 feet. The RMSE also indicates the magnitude of model residuals with a smaller RMSE indicating a better fit between measured and modeled values. Summary calibration statistics are listed in Table 6-3.

Groundwater models differ in scale, complexity, and purpose and thus a model's calibration should be assessed on a case-by-case basis. For example, an ME of 30 feet or an RMSE of 40 feet may be acceptable for one model but indicate incomplete calibration for another model. In an attempt to normalize calibration statistics across models, the ME, MAE, and RMSE are generally reviewed in relation to their percentage of the range in observed values. The observed value range for the Skunk Camp model is 1,238 feet. Using this range in observed values yields a scaled or normalized ME, MAE and RMSE of -0.3%, 2.4% and 3.2%, respectively. As a general rule, if the scaled statistics are less than 10% the model is considered calibrated. As all three scaled statistics are well below 10%, the model is considered well calibrated (Rumbaugh and Rumbaugh, 2017).

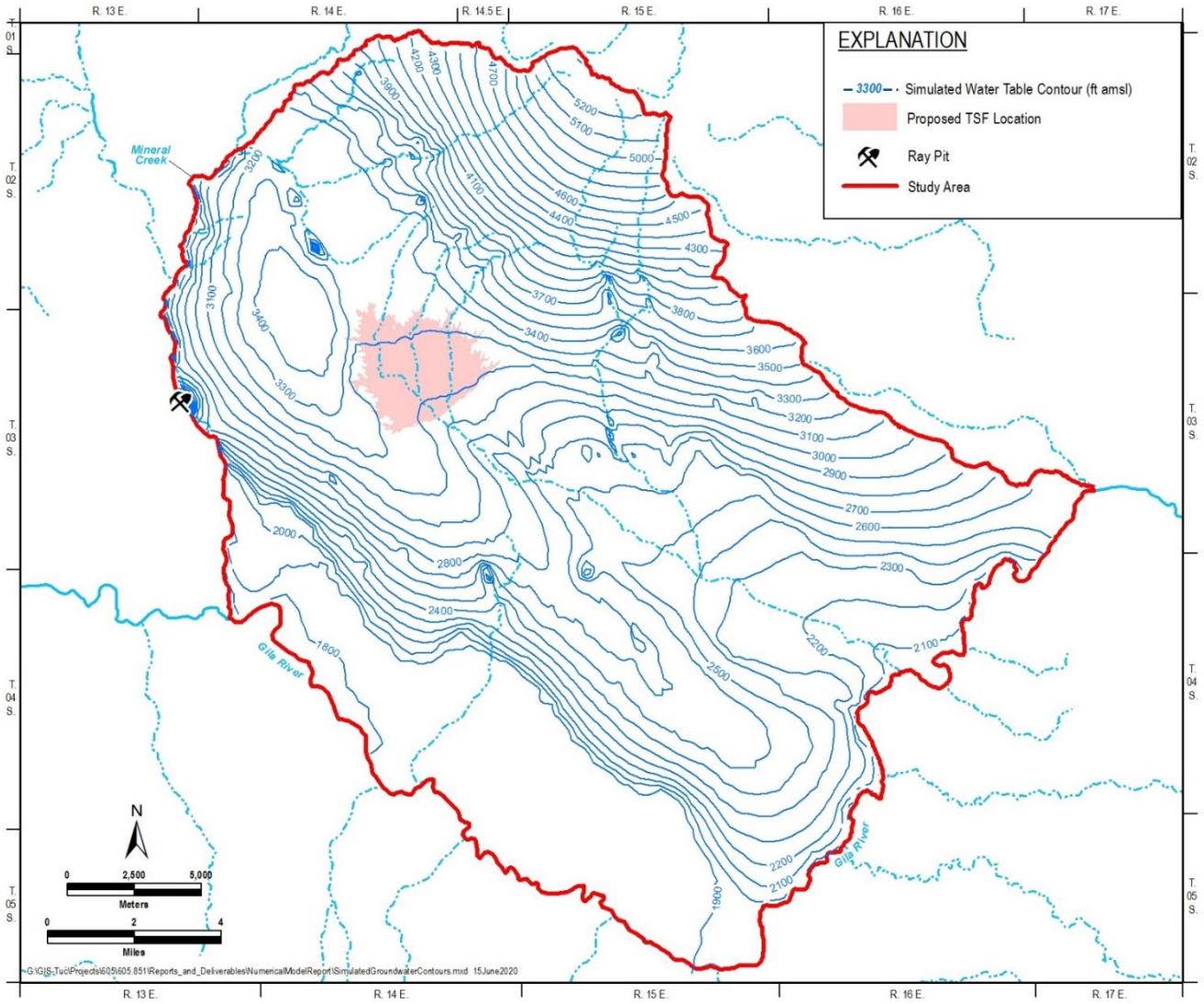

Figure 6-6. Simulated Steady-State Groundwater Contours

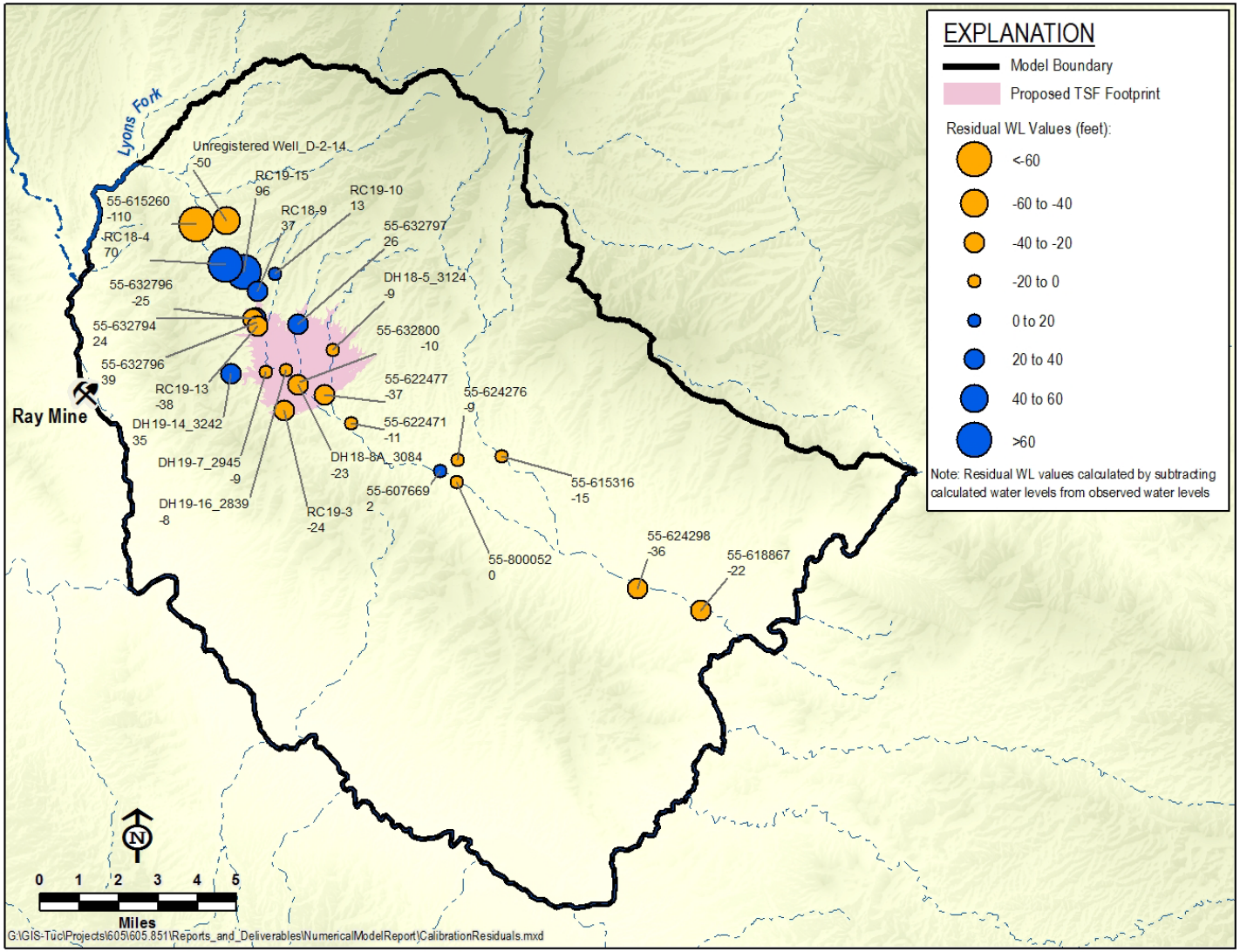

Figure 6-7. Simulated Water Levels and Calibration Residuals

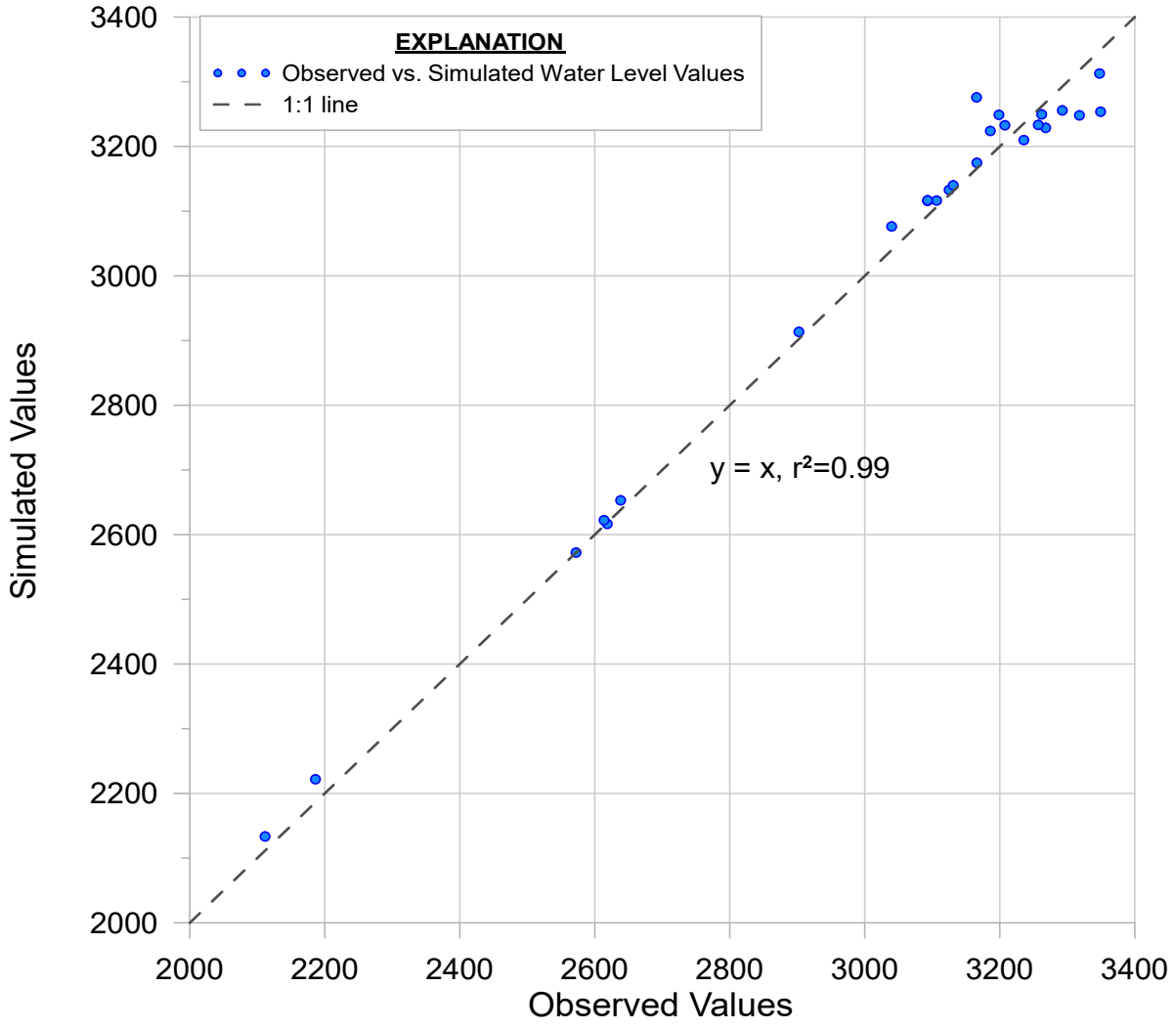

Figure 6-8. Observed and Simualted Water Levels

Table 6-3. Summary Water Level Calibration Statistics

Water Level Calibration Statistics	
Mean Error (ME) (feet)	-3.6
Mean Absolute Error (MAE) (feet)	29.8
Root Mean Squared Error (RMSE) (feet)	39.8
Minimum Residual (feet)	-110.3
Maximum Residual (feet)	95.6
Number of Observations	26
Range in Observations (feet)	1237.8
Scaled Mean Absolute Residual	2.4%
Scaled Root Mean Squared Error	3.2%
Scaled Residual Mean	-0.3%
Coefficient of Determination (r^2)	0.99

6.3 Calibrated Model Water Budget

The water budget for the calibrated numerical model is consistent with the conceptual water budget. Inflows are comprised almost entirely of recharge from precipitation. Groundwater outflows consist of GET, discharge to the Gila River along the model boundary, discharge to the Ray Pit to the west, and discharge to Mineral Creek.

Using the method from Anderson and others (1992), 1.88% of precipitation (4,012 AF/yr) infiltrates as recharge. The recharge applied at the beginning of calibration was the 1.88% and increased during calibration to its final value of approximately 2.34% of precipitation (5,057 AF/yr).

Groundwater evapotranspiration (or GET) was estimated to range between 644 and 1,263 AF/yr. The calibrated numerical model simulated 803 AF/yr GET. The total groundwater discharge to the Gila River, Mineral Creek and Ray pit was estimated by subtracting the estimated GET from the estimated recharge resulting in a total, estimated groundwater discharge between 2,749 and 5,758 AF/yr. Simulated groundwater discharge was sub-divided into discharge to the Gila River (3,913 AF/yr), discharge to Mineral Creek (304 AF/yr), and discharge to the Ray Mine pit (37 AF/yr) totaling 4,254 AF/yr. This simulated groundwater discharge is within the estimated range. Total discharges (GET plus groundwater discharge) is 5,057 AF/yr. The numerical model's simulated water budget balances and each component lies within the conceptual ranges estimated (see Table 6-4).

Table 6-4. Numerical Model Water Budget

Groundwater Inflow	Estimated (AF/yr)	Numerical Model (AF/yr)
Recharge	4,012 – 6,402	5,057
Total Inflow	**4,012 – 6,402**	**5,057**
Groundwater Outflow	**Estimated (AF/yr)**	**Numerical Model (AF/yr)**
Groundwater Evapotranspiration (GET)	644 – 1,263	803
Gila River	2,749 – 5,758	3,913
Mineral Creek		304
Ray Pit		37
Total Outflow	**4,012 – 6,402**	**5,057**

7 PREDICTIVE MODEL SET-UP

The final phase of the Skunk Camp TSF model development consisted of adding the TSF and potential seepage mitigation measures to the calibrated steady-state groundwater flow system to create the predictive model. The construction and time-varying hydrologic conditions of the TSF are simulated using transient flow and transport boundary conditions. Transient boundary conditions in the predictive model are based on leakage rates and extents of the TSF through time from the design of the TSF completed by KCB Consultants Ltd. (KCBCL 2020a, 2020b).

Simulation of the transient hydraulic and transport conditions allows for the demonstration of the effectiveness the of seepage control measures designed by KCBCL. This report includes comparison of modeled concentrations to ADEQ aquifer water quality standards and surface water quality standards.

The sections below describe the construction of the predictive model. Results of the predictive simulations are presented in Section 8.

7.1 Model Grid and Layering

The predictive flow model has a total of 20 layers (Figure 7-1). Thirteen of these layers represent the subsurface hydrogeologic units as described in Section 5.5. The remaining seven layers were added above the 13 subsurface layers to accommodate the buildout of the TSF through time. At the beginning of the model run all seven of these layers are inactive.

The layers representing the TSF extend a total of 600 feet above land surface. The five uppermost layers (predictive model layers 1 to 5) are each 100 feet thick, the next layer below (predictive model layer 6) is 97 feet thick, and the bottom layer representing the TSF (predictive model layer 7) is 3 feet thick. The thicknesses of the predictive flow model layers are shown on Figure 7-1. Seepage control measures listed in this figure are described in detail in Section 7.5.

Layers 1 through 17 are assigned the USG upstream water table layer type, layers 18 to 20 are considered confined. Cells in layers using the USG upstream water table layer type stay active even when the water table falls below the bottom of the cell elevation, this also allows them to re-activate when the water table rises.

Model Layer	Outside Tailings Storage Facility	Inside Tailings Storage Facility	
	Natural Subsurface	Finger Drains	No Finger Drains
1		100	100
2		100	100
3		100	100
4		100	100
5		100	100
6		97	97
7		3	3
8	10	10	10
9	15	15	15
10	25	25	25
11	25	25	25
12	25	25	25
13	50	50	50
14	100	100	100
15	250	250	250
16	500	500	500
17	500	500	500
18	500	500	500
19	500	500	500
20	3000	3000	3000

*Value in cell indicates layer thickness in feet

Figure 7-1. Predictive Flow Model Layering

7.2 Hydrogeologic Units

The representation of hydrogeologic units in the predictive model is identical to the steady-state model as described in Section 5. In the predictive model the TSF is represented by four different tailings materials; starter dams, embankments, scavenger tailings, and pyrite tailings. The extents and physical characteristics for the tailings materials were provided by KCBCL (2020a, 2020b). The full extent of the tailings materials are shown on Figure 7-2 for layer 7 of the predictive

model only. However, the tailings materials extend vertically through all layers of the TSF except for the starter dams which are only present in layers 6 and 7.

Two starter dams will serve as the foundation for the main embankment retaining the scavenger tailings and for the embankment of pyrite cell 1. The dams will be constructed before the start of operations using compacted general fill (Gila conglomerate) from within the Skunk Camp TSF footprint. The compacted Gila is expected to have a higher permeability than the tailings materials. The main embankment and pyrite cell embankment will be constructed with raises using cycloned sand (cyclone underflow) sand that is produced from cycloning the total scavenger tailings. The embankment for pyrite cell 2 will be constructed entirely from cycloned sand.

The process used to separate out the cycloned sand (underflow tailings) from the total scavenger tailings also separates out finer grained overflow tailings. The cycloned sand is coarser grained resulting in a higher permeability material, while the fine overflow tailings consequently have a lower permeability. The fine-grained overflow tailings are hydraulically deposited on the upstream side of the main embankment to create the scavenger beach. The resulting scavenger beach is a mixture of both overflow tailings and (uncycloned) total scavenger tailings.

Pyrite tailings are also fine grained and have relatively low permeability compared to the other tailings materials. They will be stored separately from the scavenger tailings in two individual cells encased by low-permeability layers. The pyrite tailings cells will be constructed sequentially with the pyrite tailings deposited subaqueously in the pond covering the pyrite tailings.

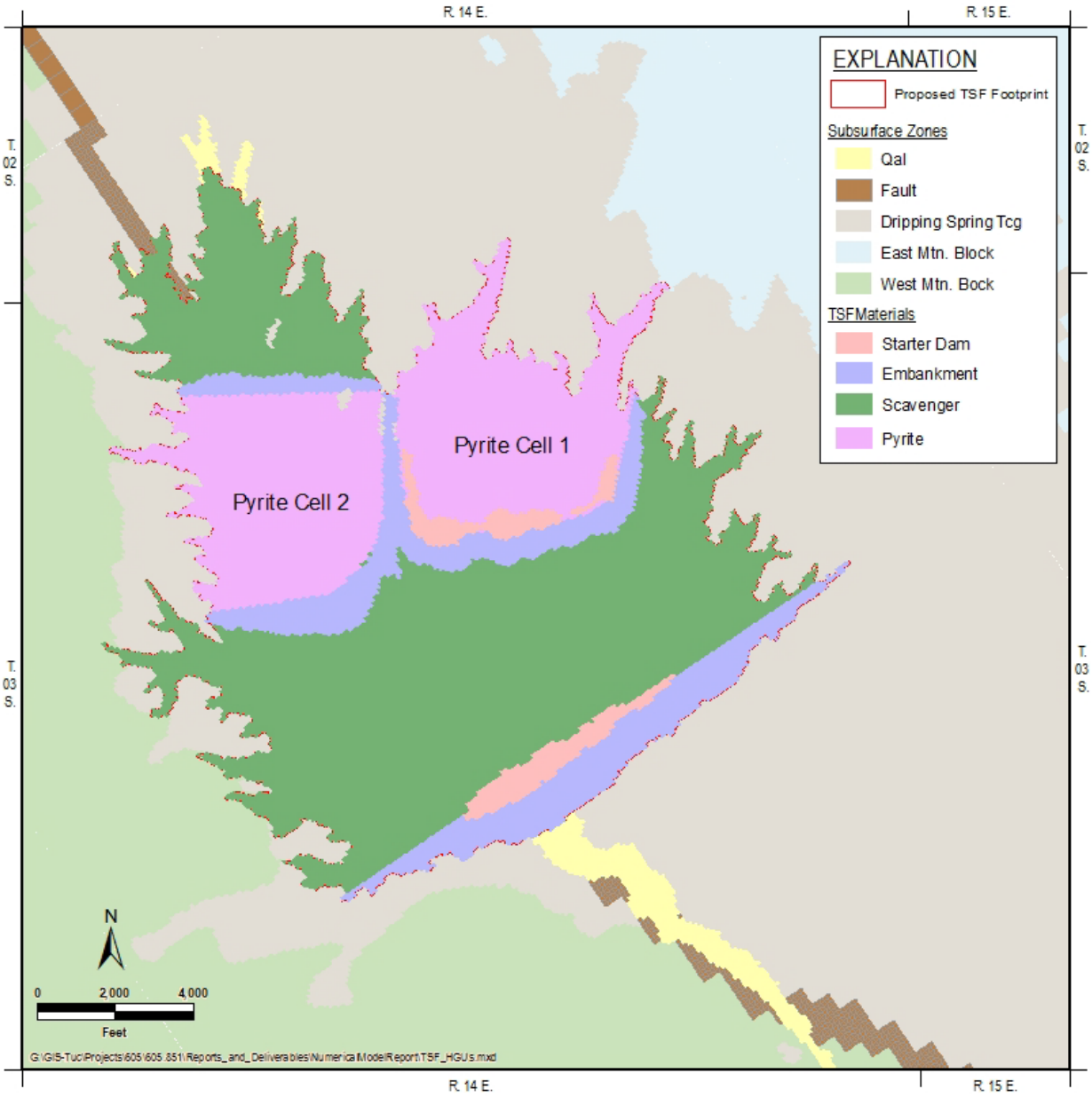

Figure 7-2. TSF Tailings Materials in Layer 7 (0-3 feet above land surface)

7.2.1 Simulated Hydraulic Conductivity

The hydraulic conductivity and anisotropy (K_h/K_v) for the tailings materials were determined using flexible wall permeameter, and rigid wall permeameter tests conducted in the laboratory (KCBCL, 2020b). The conductivities for the TSF materials range from $1.0x10^{-3}$ cm/sec (2.83 ft/d) for the compacted Gila in the starter dams to $2x10^{-6}$ cm/sec ($5.70x10^{-3}$ ft/d) for the pyrite tailings. The cyclone sand embankments have a hydraulic conductivity of $5x10^{-4}$ cm/sec (1.42 ft/d), half the conductivity of the starter dams. The scavenger beach hydraulic conductivity is two orders of magnitude lower than the embankment with a conductivity of $7x10^{-6}$ cm/sec ($1.98x10^{-2}$ ft/d). The pyrite tailings and embankments both have an anisotropy of 5. The scavenger tailings have an anisotropy of 10. Refer to KCBCL (2020b) for additional rationale for the selection of the tailings hydraulic properties.

The tailings materials will consolidate over time and result in hydraulic conductivity decreasing with depth of the tailings. The effects of consolidation on hydraulic conductivity were accounted for in the leakage rates provided by KCBCL. However, to be conservative in the predictive model, the hydraulic conductivity for the tailings materials represent unconsolidated conditions. They remain constant throughout the duration of the predictive flow model simulation and do not vary with depth.

Table 7-1. Hydraulic Conductivities of TSF Materials (KCBCL 2020b)

	K_v		
	ft/day	cm/s	K_h/K_v
Starter Dams	2.83	$1x\ 10^{-3}$	1
Cycloned Sand Embankment	1.42	$5\ x\ 10^{-4}$	5
Scavenger Tailings	$1.98\ x\ 10^{-2}$	$7\ x\ 10^{-6}$	10
Pyrite Tailings	$5.70\ x\ 10^{-3}$	$2\ x\ 10^{-6}$	5

K_h = horizontal hydraulic conductivity

K_v = vertical hydraulic conductivity

7.2.2 Storage Properties

Porosity for the tailings materials representing the TSF were provided by KCBCL (2020b) and were determined using the same tests used to determine hydraulic conductivity. The porosity for the cyclone sand embankments and pyrite tailings are both 0.41. Starter dams have a porosity of 0.45 and scavenger tailings have a porosity of 0.34. Specific yield of the tailings was assumed to be equal to the porosity. Consolidation related changes to porosity were accounted for in the leakage rates provided by KCBCL.

Storage properties for the subsurface units came from literature values, aquifer testing completed at Skunk Camp and Near West, Table 7-2. Because the Qal is not saturated at Skunk Camp drilling locations, site specific Sy could not be determined. The specific yield of the Qal was set to 0.16 based on aquifer testing for well DS17-17 at Near West (M&A, 2017). Hydraulic testing of the Tcg at Skunk Camp showed the specific yield ranged from 0.04 to 0.08 with most tests (M&A, 2019 and 2020c). A value of 0.08 for used for the specific yield in the Tcg.

The Mountain Block (b) in the Skunk Camp study area is comprised mostly of Paleozoic and Younger Precambrian geologic units consisting of sedimentary limestones, quartzites, and shales intruded by basalts and diabase. Site specific information about the bulk specific yield of the mountain block units is not readily available. Further, specific yield cannot be determined through calibration of a steady-state model. The effective specific yield of the mountain block is expected to be limited by the low-conductivity diabase unit and was set to 0.05.

Specific storage is a parameter that describes the amount of water released by an aquifer under confined conditions. For all the TSF tailings materials and subsurface units, specific storage was set equal to $1x10^{-6}$ $feet^{-1}$, which is the middle range of values provided by HydroSolve (2007) for sound rock. The only layers in model simulated as confined are layers 18 to 20. The layers representing the TSF and top 10 layers of the subsurface are simulated as unconfined using upstream weighting.

Table 7-2. Porosity and Specific Yield

Material Type	Specific Yield & Porosity	Data Source for Specific Yield and Porosity
Starter Dams	0.45	KCBCL 2020b
Cyclone Sand Embankment	0.41	KCBCL 2020b
Scavenger Tailings	0.34	KCBCL 2020b
Pyrite Tailings	0.41	KCBCL 2020b
Alluvium (Qal)	0.16	M&A 2017
Tertiary Conglomerate (Tcg)	0.08	M&A 2019
Mountain Block (b)	0.05	Assumed

7.3 Tailings Storage Facility

The sections below describe the buildout of the TSF and application of leakage in the predictive model.

7.3.1 Timing

Management of the TSF is divided into two main stages. The first stage is active operations and buildout of the TSF and is followed by post-closure. The operations stage of the TSF is scheduled to occur over 41 years. The predictive numerical model simulates the post-closure stage for a period of 400 years, during which draindown of the TSF takes place. For the predictive model, these two stages were broken down into a total of 44 stress periods. A stress period represents a period of time during which all model stresses are constant. Operations is represented by 36 stress periods and post-closure is represented by 8 stress periods. The number and length of the stress periods were determined using information from the TSF design by KCBCL (2020a) and are listed in Table 7-3.

The spatial extent of the TSF during operations was provided on a yearly basis up to year 35 and then for year 41. The spatial extent of the TSF does not change post-closure because the expansion of the TSF ceases in year 41. This resulted in annual stress periods for years 1 to 35 and a 7-year stress period from year 36 to 41 for a total of 36 stress periods during operations.

Post-closure stress period lengths were based on leakage rates, which were provided on an annual interval during operations and post-closure in the TSF design. To reduce the computational requirements of the predictive model during post-closure, stress period lengths were determined by dividing the curve defining post-closure leakage rates into 8 different segments; 3 five-year stress periods, followed by stress periods that are 10 years, 20 years, 50 years, 100 years, and 155 years. The calculated leakage rates for these stress periods is discussed in more detail in Section 7.3.3.

The predictive model simulates a total of 441 years covering the operation and post-closure stage of the TSF using a total of 44 stress periods of various lengths. The lengths of the stress periods and the years that they represent are listed in Table 7-3.

Table 7-3. Stress Period Length

Stress Period	Years	Interval (years)
1 to 35	1 to 35	1
36	36 to 41	7
37 to 39	42 to 56	5
40	57 to 66	10
41	67 to 86	20
42	87 to 136	50
43	138 to 286	150
44	287 to 441	155

The length and number of the timesteps in each stress period (and thus the number) is controlled by the Adaptive Time Step (ATS) package in USG Transport. The ATS package adjusts the timestep based on the rate of convergence of the flow solution. The use of ATS and multiple stress periods during post-closure provides higher computational efficiency while honoring the information in the design of the TSF.

7.3.2 Buildout / TSF Activation

The TSF is represented in the predictive model by seven layers above land surface. Land surface in layer 8 of the predictive model corresponds to layer 1 of the steady-state model. The model cells in layers 1 through 7 activate in the predictive model as the TSF expands throughout the 41 years of operations. At the end of operations, the TSF has a footprint of approximately 4,100 acres and with an ultimate dam crest elevation of approximately 3,565 ft amsl.

The TSF design includes spatial extents, both horizonal and vertical, of the TSF throughout the 41 years of operations. The spatial extents of the TSF provided in the design were separated out based on the four tailings materials that make up the TSF: starter dams, cycloned sand embankments, scavenger tailings, and pyrite tailings. In addition to the extent of the pyrite tailings, the design also included spatial extent of the pond that is designed to cover the pyrite tailings throughout operations.

As discussed in the previous section, 36 stress periods were used to represent the growth of the TSF during operations based on the spatial extent of the TSF in the design. The full spatial extent of the TSF was provided on a yearly basis. The horizontal and vertical extent of each tailings material was provided by KCBCL at varying time intervals depending on the expected rate of change. The years for which each tailings material is represented in the model are shown on Figure 7-3 Tailings Material Extent by Year.

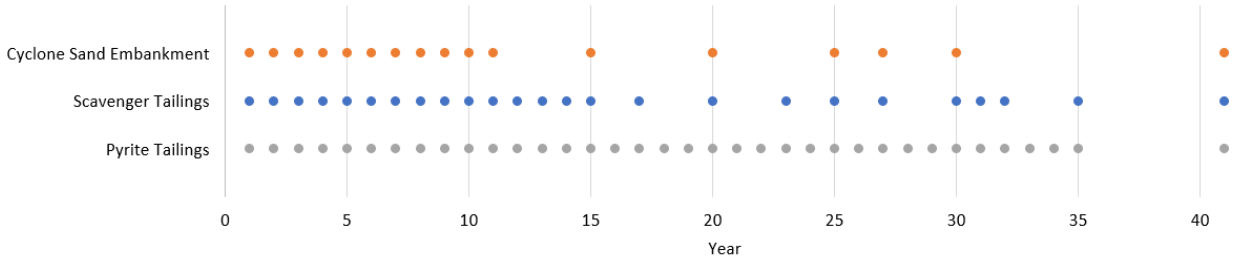

Figure 7-3. Tailings Material Extent by Year

The horizonal extent of tailings during each stage of buildout was given as a polygon and the elevations were provided in a DEM.

Initially all cells above land surface (layers 1 to 7) are inactive, except for those cells in layers 6 and 7 representing the starter dams. Cells above land surface representing the TSF are activated based on the extents of the tailings materials through time. Activating the cells representing the spatial extent of the TSF in the predictive model required translating the horizontal and vertical extents provided to the refined grid cells in the footprint of the TSF that have a dimension of 100 feet by 100 feet and are 3 to 100 feet thick. Cells were included in the horizontal extent of a given tailings material if 50% or more of its area fell within the horizontal extent. In the vertical dimension, cells were activated when the TSF design reached the bottom of the relevant model cell. Activation of the cells of the TSF was handled using Transient IBOUND package (TIB) in USG-Transport.

There are two starter dams that support initial emplacement of tailings and serve as a foundation for the construction of the cyclone sand embankments that retain both scavenger and pyrite tailings. The cells for the starter dams are active starting in year 1 in layers 6 and 7.

The pyrite cells are represented by two extents one extent representing the pyrite tailings and the other representing the pond covering the pyrite tailings. The pond covering the pyrite cells is maintained at an elevation that is 10 feet above the elevation of the pyrite tailings. This results in the pond extent being larger than the extent of the pyrite tailings. The active extent of the pyrite tailings in the predictive model is based on extent of the pyrite pond because it has a larger area and higher elevation.

The pyrite tailings are divided into two separate cells, which are constructed successively during operations. Emplacement of pyrite tailings in pyrite cell 1 occurs from year 1 to 15, while pyrite tailings are emplaced in pyrite cell 2 starting in year 16 through the end of operations. Pyrite tailings in pyrite cell 1 are covered by 15 feet of scavenger tailings in year 16. After the initial covering, scavenger tailings are not actively emplaced over pyrite cell 1 until year 30 and are then emplaced through year 41.

During the first year of operations the TSF consists of small areas of scavenger and pyrite tailings, with the starter dams serving as the embankments. Extent of the active cells representing the TSF at the beginning of operations by model layer is shown on Figure 7-4. By year 15 the scavenger tailings in the center of the TSF and the pyrite tailings in cell 1 have reached their approximate full extent, Figure 7-5. Between years 15 and the end of operations in year 41, the TSF will expand mostly vertically, with the exception of pyrite cell 2 and the scavenger tailings to the north of pyrite cell 2, Figure 7-6. Extent of the TSF by layer in years 5, 10, 20, 25, 30, and 35 that show details of the incremental buildout by layer can be found in Appendix A.

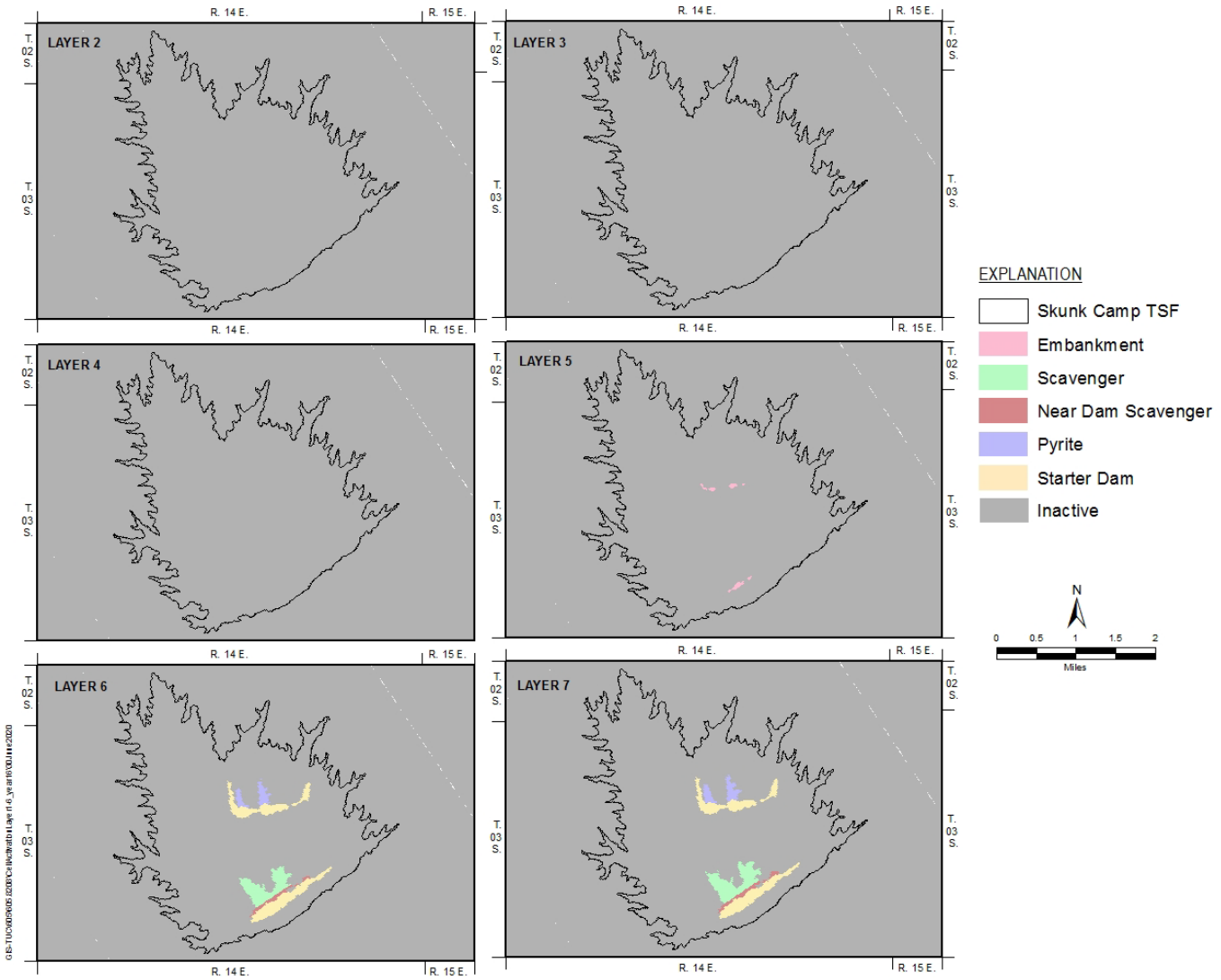

Figure 7-4. TSF Buildout Year 1

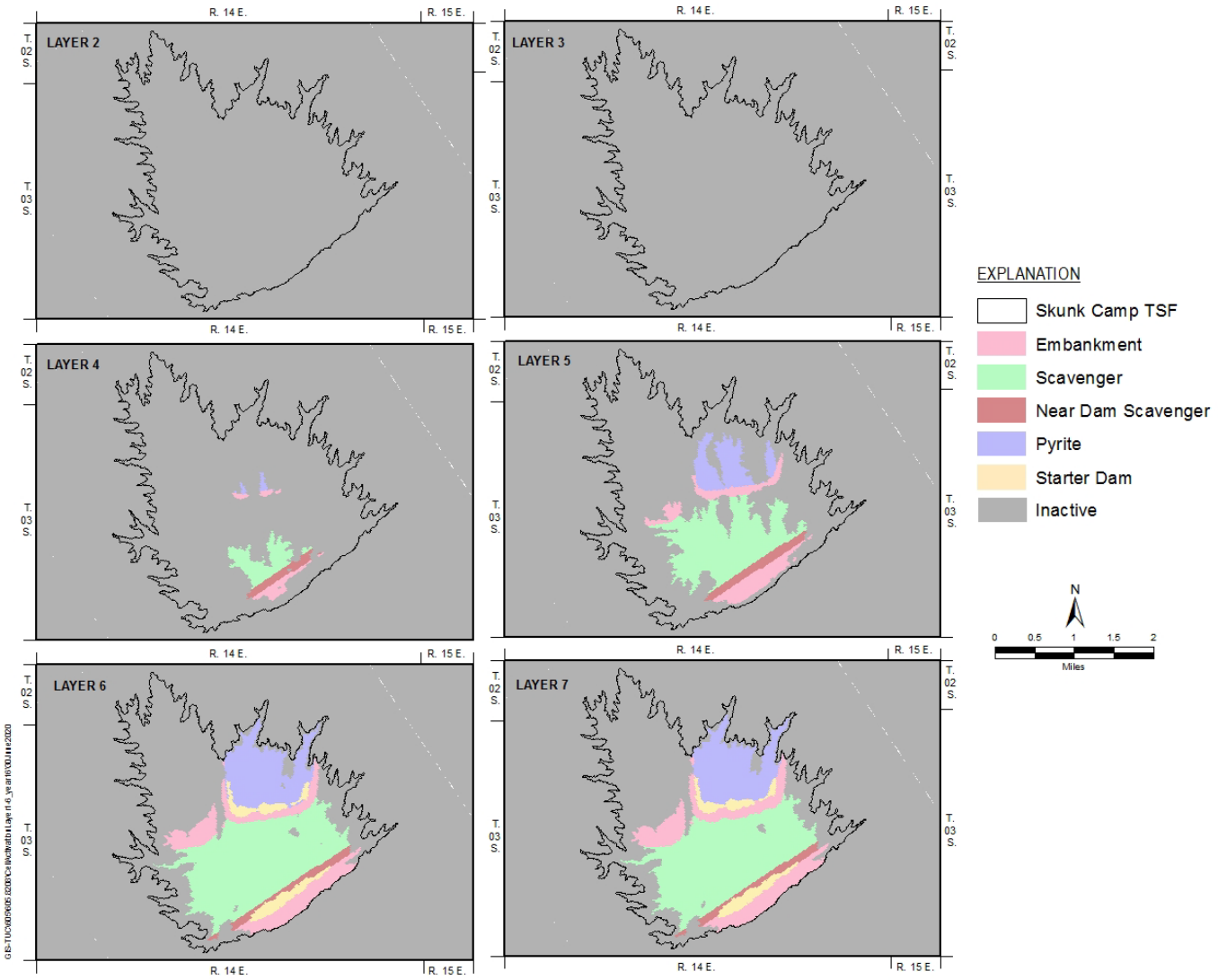

Figure 7-5. TSF Buildout Year 15

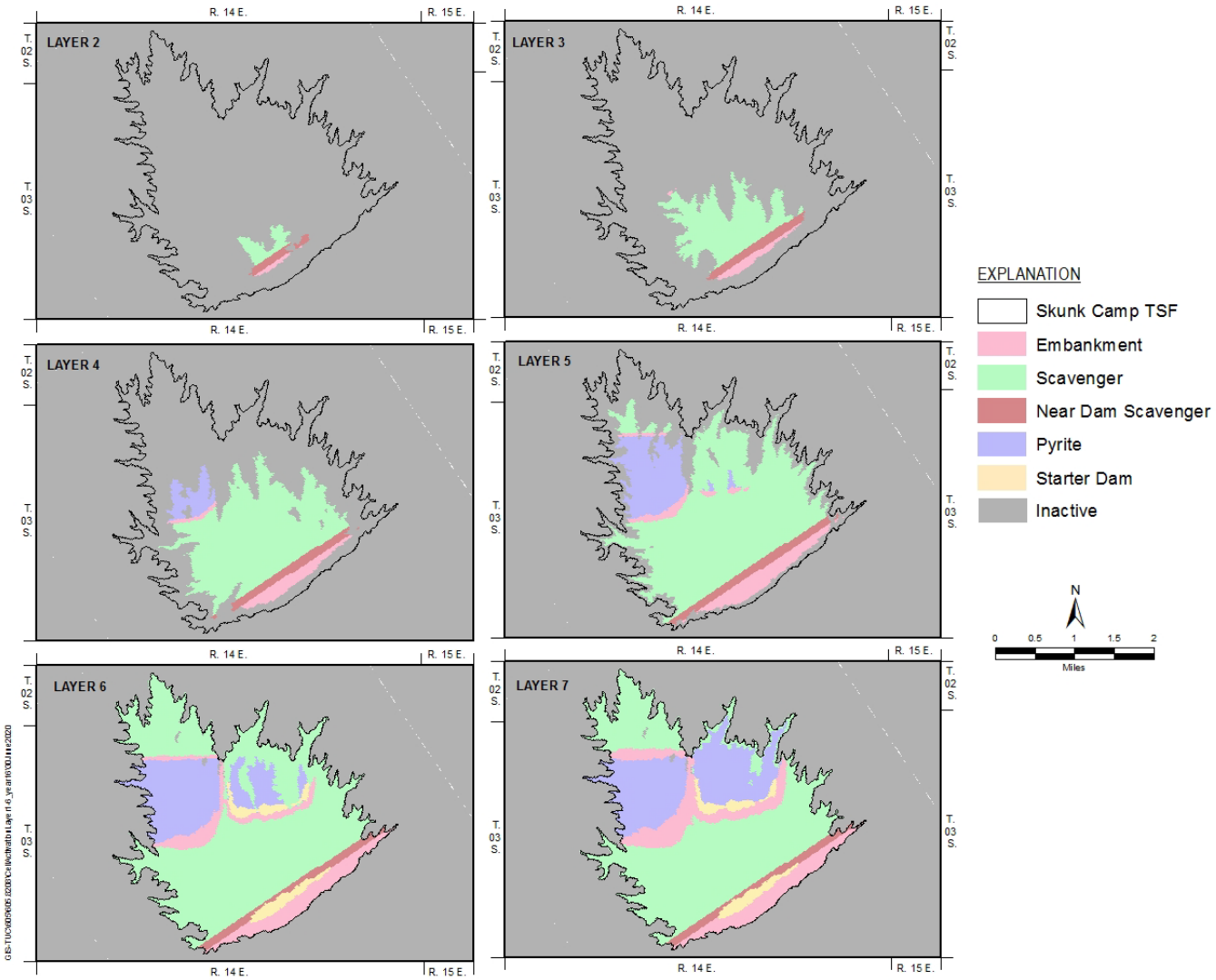

Figure 7-6. TSF Buildout Year 41

7.3.3 Leakage

Leakage rates are the rate at which water leaves the bottom of the TSF and enters the subsurface to become seepage. Leakage rates were assigned to the TSF to provide the input of tailings water to the model. The rate of leakage varies across the TSF based on the tailings material and timing of buildout. In total, 10 leakage zones are represented in the TSF (Table 7-4 and Figure 7-7).

The leakage rates for tailings zones 1 through 9 are specified through time in the model. For these zones, water is added to the model using the well (WEL) package in USG-Transport. Wells representing leakage are injected at a volumetric rate corresponding to the leakage zone. The wells representing leakage are placed in the bottom layer of the TSF (layer 7) and are added as the TSF expands horizontally through time.

Leakage rates for leakage zones for zones 1 through 9 were determined by KCBCL using one-dimensional numerical models (KCBCL, 2020b). Each one-dimensional model represents the leakage from a column of the relevant tailings material through time. The one-dimensional models simulated unsaturated flow and tailings consolidation that would be computationally difficult to fully represent in the three-dimensional groundwater flow and transport model.

Each one-dimensional model represented different sets of factors that influenced the unsaturated flow. The models took into consideration factors such as the volumetric water content of the tailings material during emplacement, rate of deposition, ultimate depth of the tailings, the slope of the tailings material, tailings settlement initially following emplacement, climatic inputs (i.e., precipitation and evapotranspiration), run-on and run-off, and also consolidation of the tailings material through time as a result of TSF buildout. The details regarding the assignment of these factors, and development of the one-dimensional models can be found in a report produced by KCBCL (2020b).

Table 7-4. Leakage Zones

Leakage Zone	Tailings Material	Ultimate Depth	Initial Year of Emplacement
1	Scavenger – Far Beach	250 - 350 feet	1 to 7
2	Scavenger – Far Beach	150 - 250 feet	8 to 14
3	Scavenger – Far Beach	50 - 150 feet	15 to 23
4	Scavenger – Far Beach	0 - 50 feet	24 to 41
5	Scavenger - Near Dam	> 350 feet	1 to 5
6	Scavenger - Near Dam	< 350 feet	6 to 41
7	Main Embankment	NA	NA
8	Pyrite Embankment 1	NA	NA
9	Pyrite Embankment 2	NA	NA
10	Pyrite Cells	NA	NA

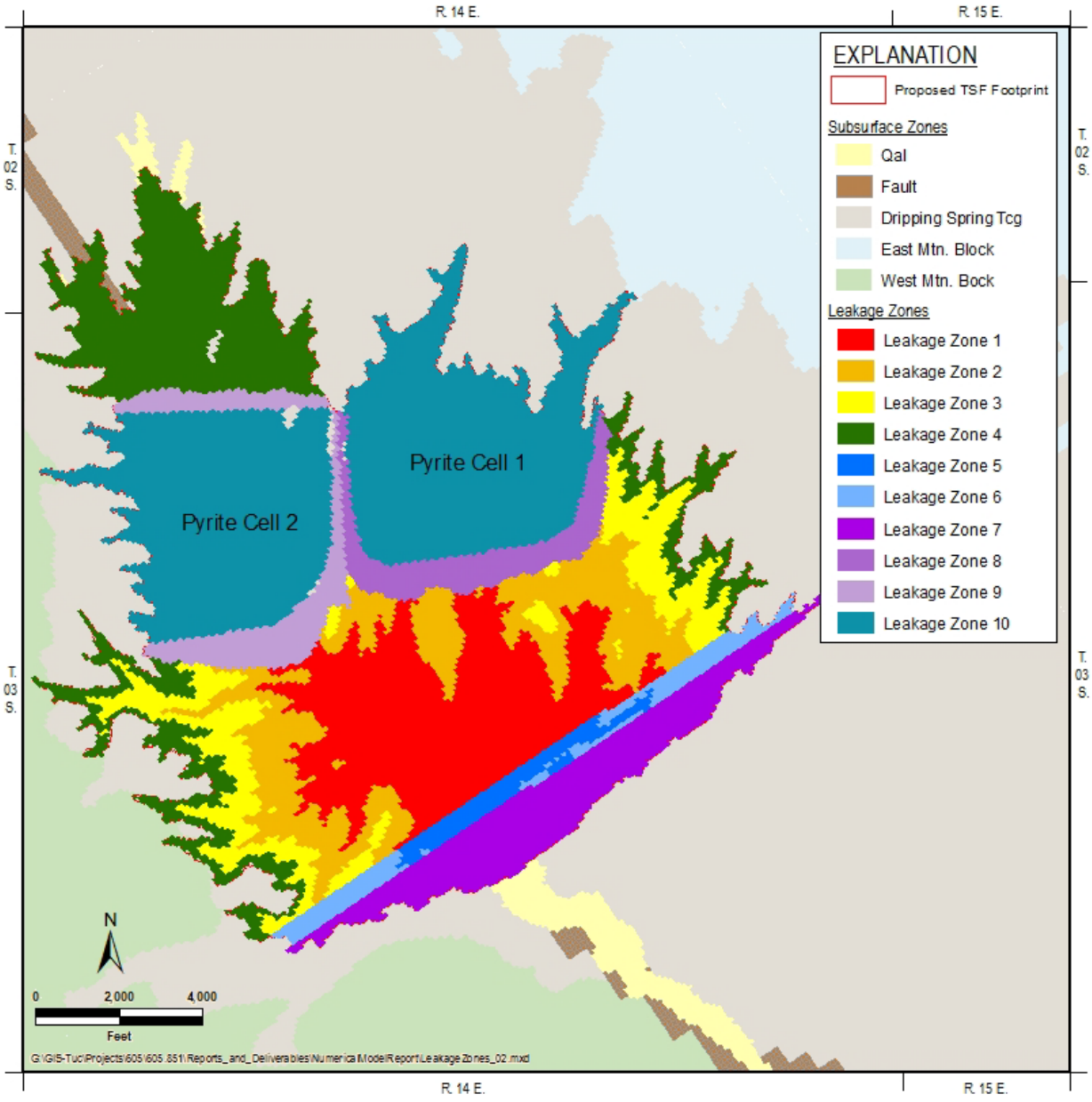

Figure 7-7. TSF Leakage Zones

7.3.3.1 Scavenger Beach Leakage Rates

For the scavenger tailings, leakage rates are assigned to tailings areas based on the ultimate depth of tailings buildout, which corresponds to the year of initial emplacement (Table 7-4). Figure 7-8 shows a schematic cross section of leakage zones. Colors shown in the figure correspond to the plan view of leakage zones shown in Figure 7-7. Figure 7-8 illustrates the idea that tailings areas with higher ultimate buildout coincide with lower land surface elevations where tailings will be emplaced first. Operations leakage rates assigned to Zone 1 begin early in the life of mine and persist throughout the mine life. In contrast, operations leakage rates assigned to Zone 4 begin near the end of the mine life and persist until closure.

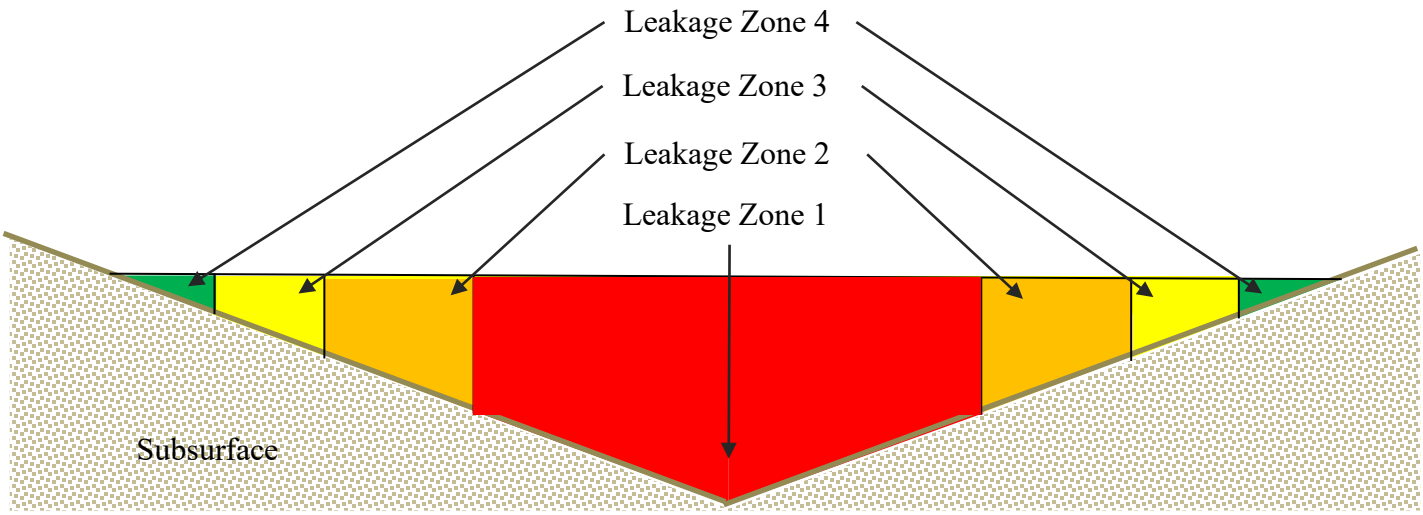

Figure 7-8. Cross Section of Scavenger Beach Leakage Zones

Figure 7-9 and Figure 7-10 show the leakage rates assigned to the scavenger beach for during operations and post-closure respectively (colors correspond to Figure 7-7). The leakage rates for each period are highest immediately after tailings deposition begins and decrease throughout operations. The leakage rates decrease as a result of a thicker column of tailings and consolidation of tailings near the bottom of the column reducing the hydraulic conductivity. The initial rates are lower for tailings emplaced later during operations due to the reduced rate of rise (tailings tonnage deposited over a larger depositional area). Leakage rates during post-closure rapidly decrease for tailings emplaced after year 7.

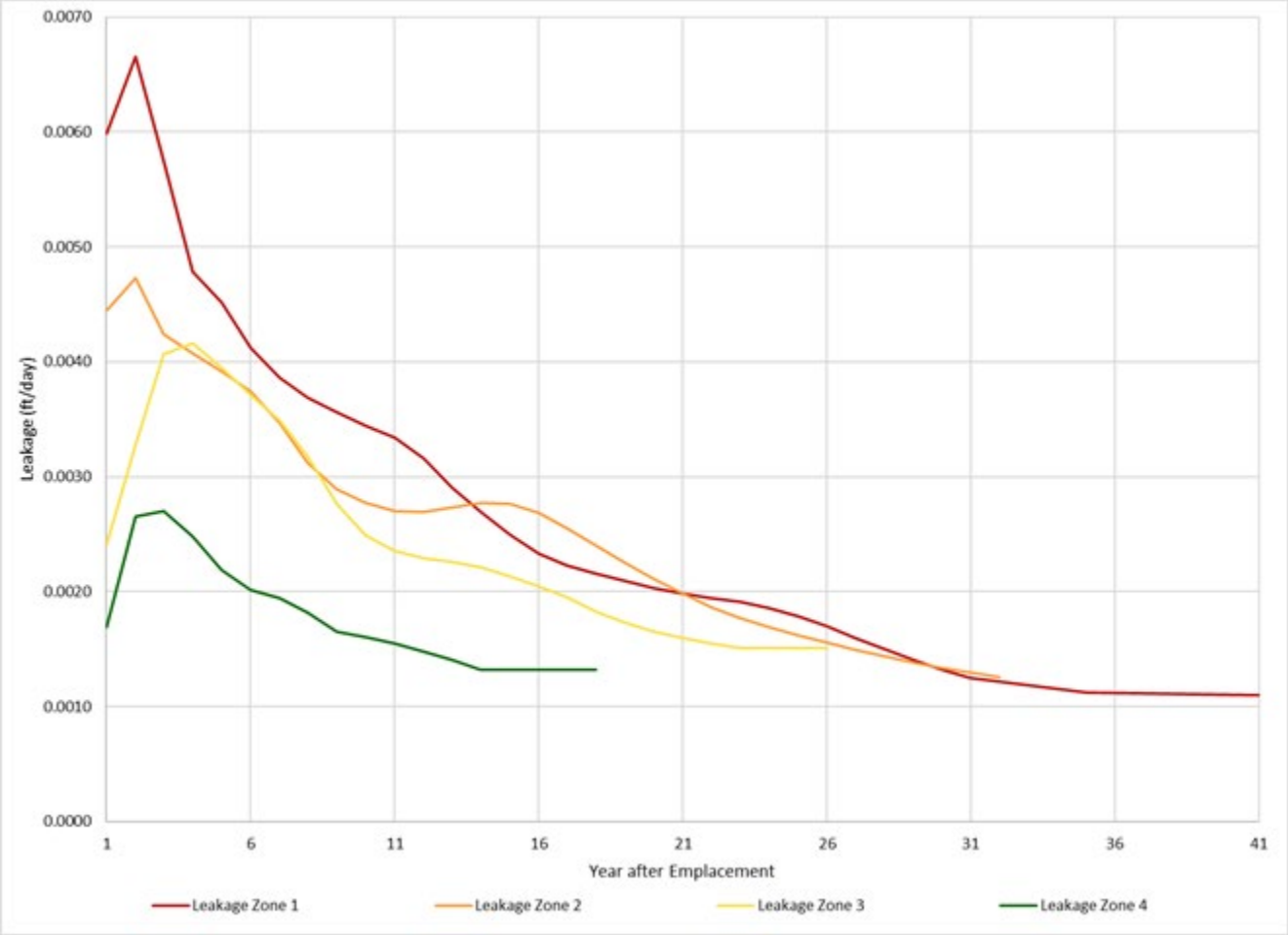

Figure 7-9. Far Beach Scavenger Tailings Leakage Rates During Operations

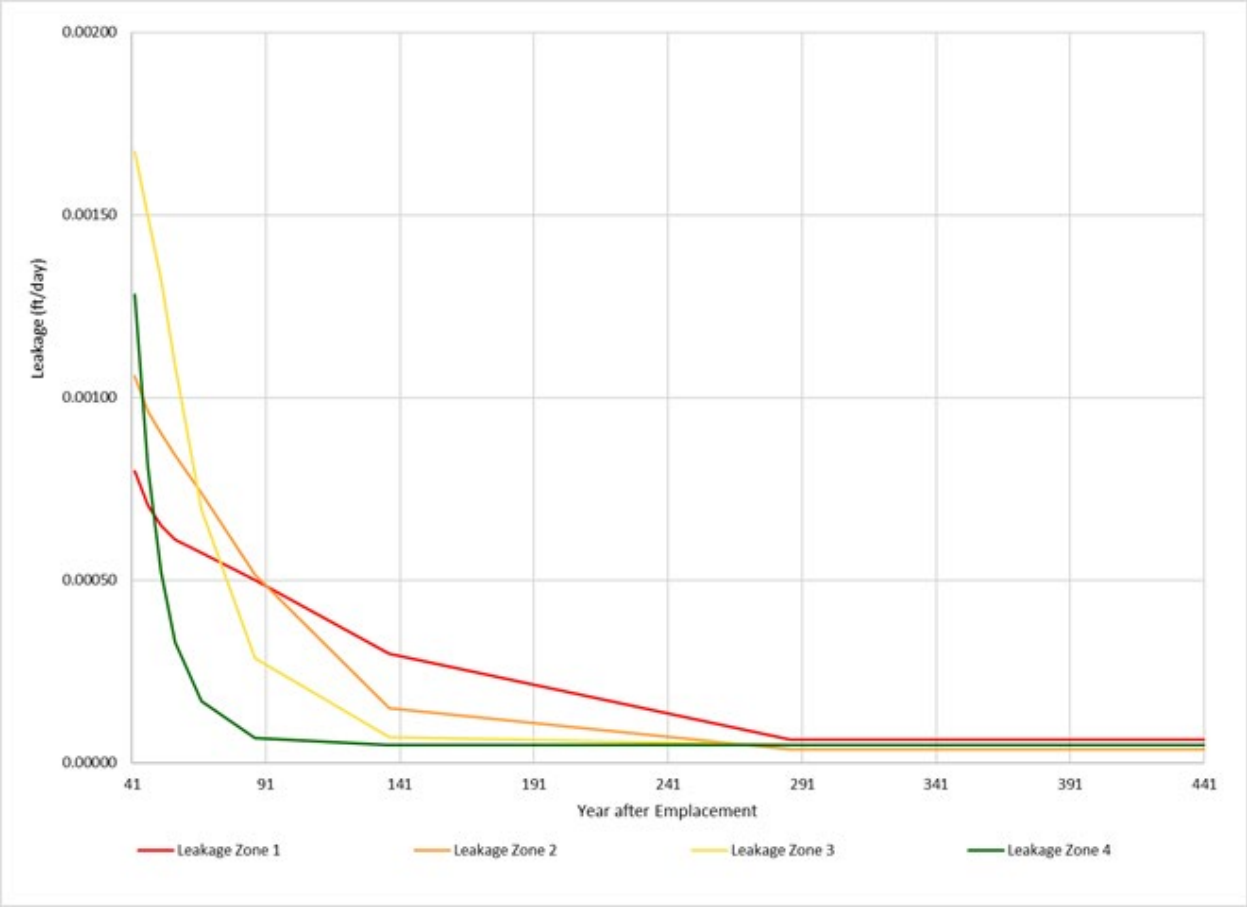

Figure 7-10. Far Beach Scavenger Tailings Leakage Rates During Post-Closure

7.3.3.2 Near Dam Leakage Rates

Leakage Zones 5 and 6 represent the near dam scavenger tailings (Figure 7-7 and Table 7-4). These tailings will have a slightly higher conductivity that will form close to the embankment due to segregation along the scavenger beach. The area extends into the scavenger tailings approximately 500 feet, Figure 7-7. The leakage rates assigned to the scavenger beach for during operations and post-closure are shown on Figure 7-11 and Figure 7-12 respectively. The post-closure leakage rate is the same for both Zone 5 and Zone 6.

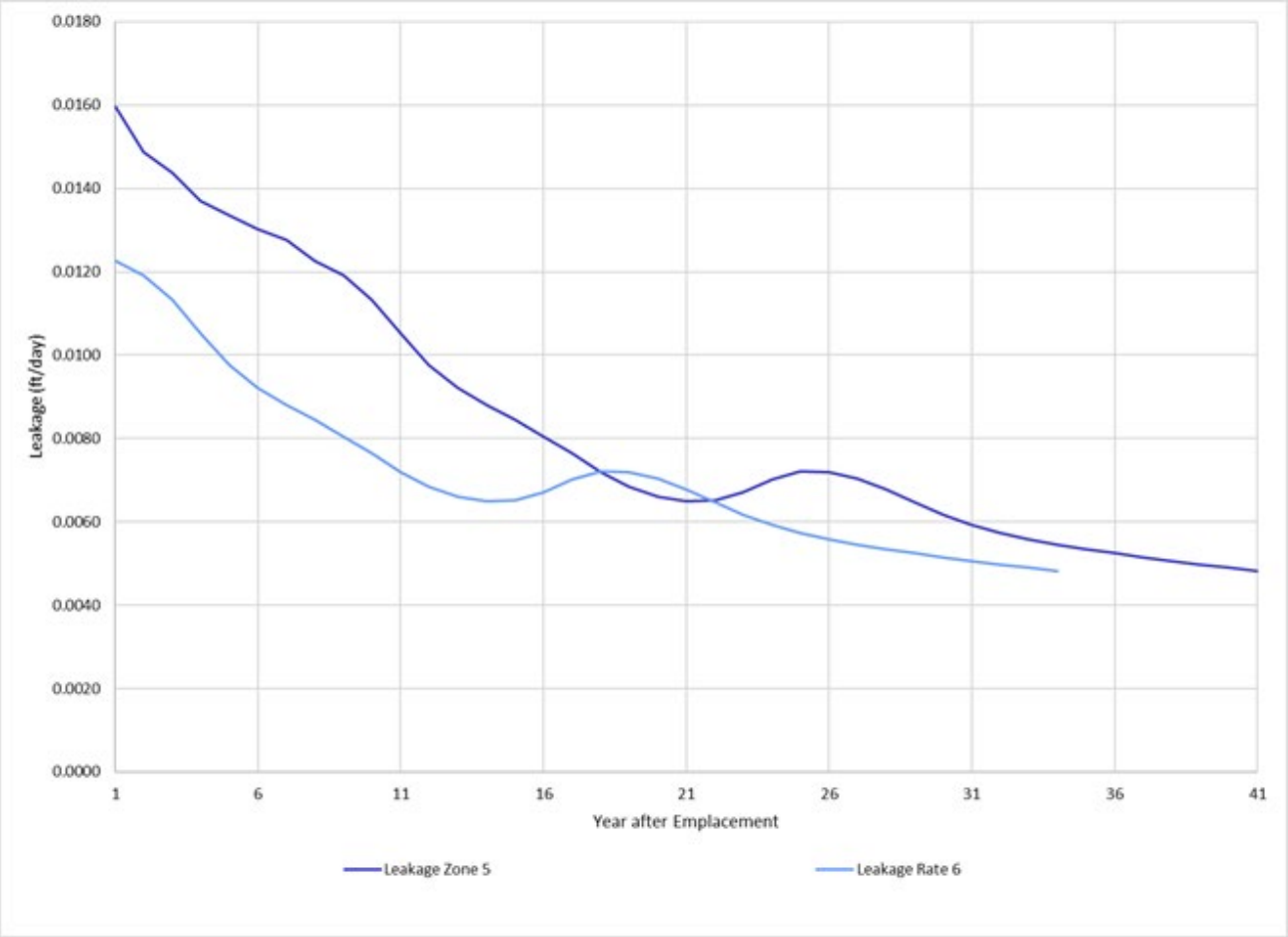

Figure 7-11. Near Dam Scavenger Tailings Leakage Rates During Operations

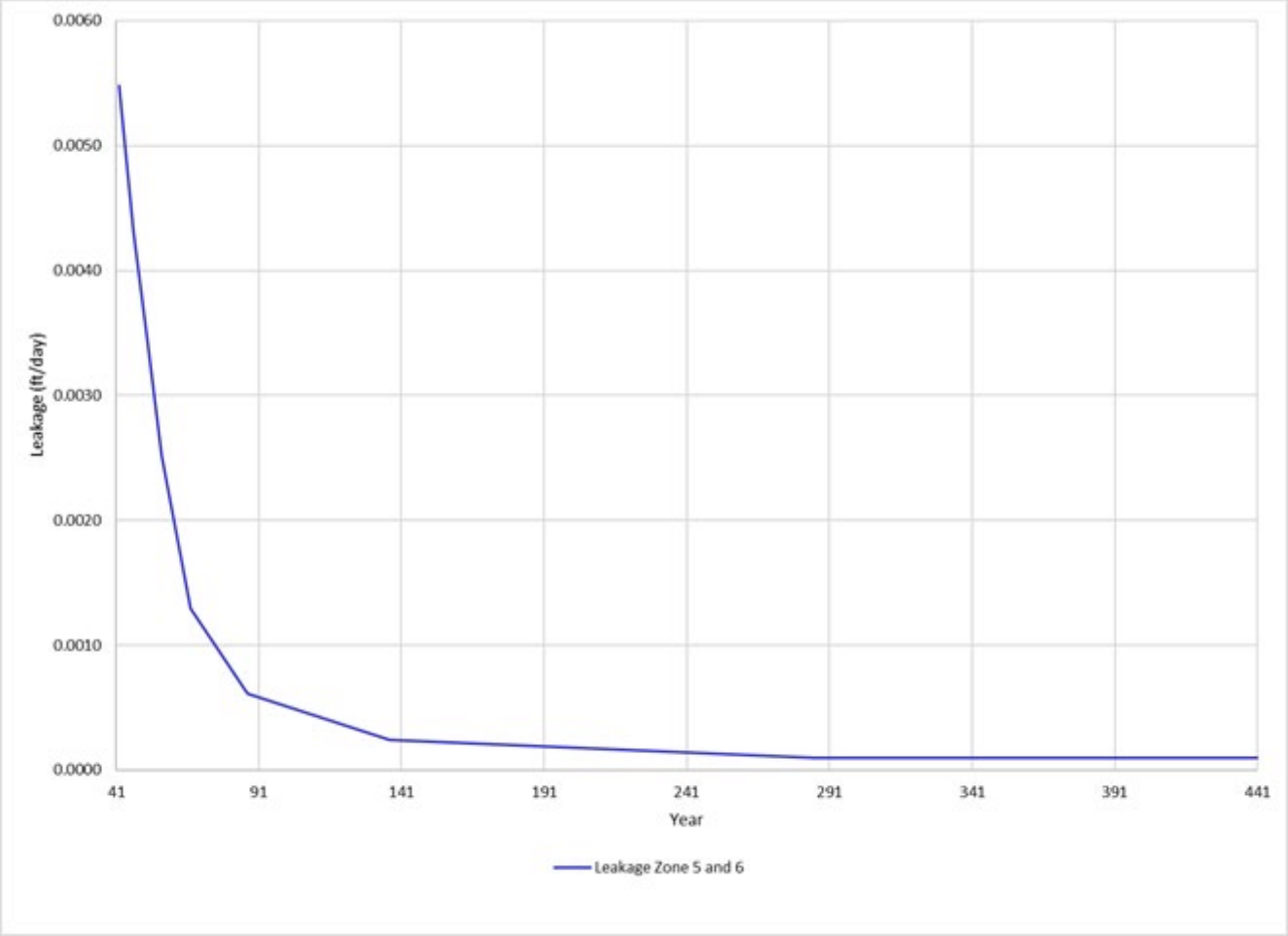

Figure 7-12. Post-Closure Leakage Rates for Near Dam and North Beach Scavenger Tailings

7.3.3.3 Embankment Leakage Rates

Leakage Zones 7, 8, and 9, represent the Main Embankment, Pyrite Cell 1 Embankment, and Pyrite Cell 2 Embankment respectively (Figure 7-7 and Table 4-1). Leakage rates for Zones 7, 8, and 9 are based on KCBCL modeling and vary each year of operations (Figure 7-13). During operations, pyrite cell 1 embankment tailings are covered with scavenger tailings in year 27. The leakage rate during post-closure for the main embankment and pyrite cell 2 embankment tailings is equal to 4.34×10^{-8} cm/sec (1.24×10^{-4} ft/d), representing 3% of annual precipitation.

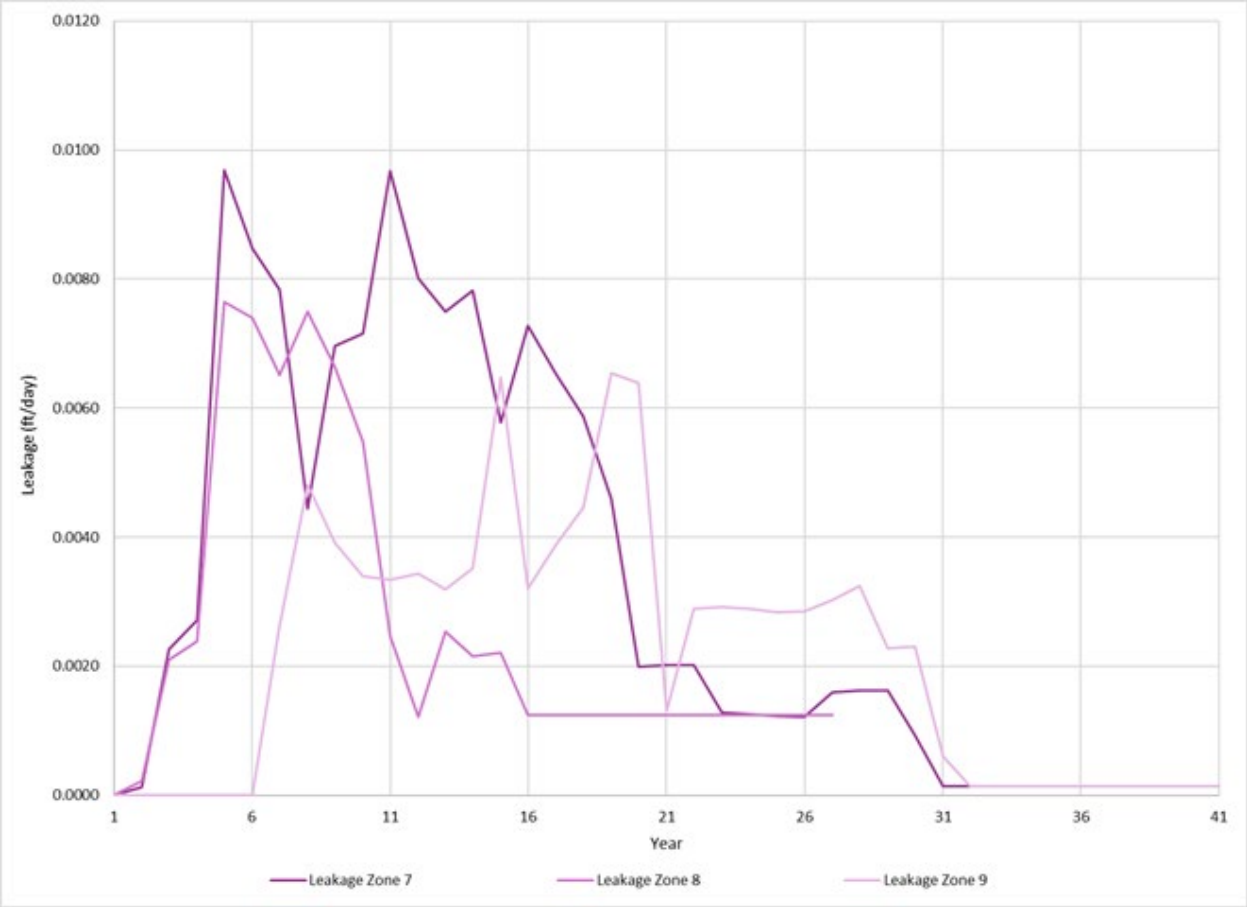

Figure 7-13. Leakage Rates For Embankment Tailngs During Operations

7.3.3.4 Pyrite Cell Leakage Rates

Leakage rates were not explicitly assigned to the pyrite tailings (Leakage Zone 10) during operations. The pyrite tailings are lined and are managed such that they are fully saturated throughout operations and post-closure. During operations this is accomplished for the active pyrite cell by maintaining a pond elevation that is 10 feet above the pyrite tailings elevation. This management strategy is represented in the predictive model using constant head cells in the time-variant specified head (CHD) package in USG-Transport with a head elevation set equal to the elevation of the pond for the active extent of the pond where it is above land surface elevation. Active constant head cells are also controlled by the Transient IBound package (TIB), which allows cells to be turned on as the TSF expands. Description of the model implementation of the liner is further described in Section 7.5.3.

7.3.3.5 Scavenger-Pyrite Leakage Rates

Scavenger tailings are also placed as a cover for pyrite cell 1 starting in year 16. The rates for these scavenger-pyrite tailings are based on the hydraulic conductivity of the pyrite tailings, which have a low-conductivity. The rates during operation and post-closure are based on 1-D modeling completed by KCBCL (2020b). From year 16 to year 41 the leakage rate of the scavenger-pyrite tailings is equal to $1x10^{-7}$ cm/sec ($2.83x10^{-4}$ ft/d), this rate decreases to $2.94x10^{-8}$ cm/sec ($8.33x10^{-5}$ ft/d) during post-closure. The post-closure rates are representative of expected long-term recharge.

7.3.3.6 Total Leakage

Leakage rates provided by KCBCL (2020b) were implemented in the numerical model. Totals for each tailings type are provided in Table 7-5. Specified leakage during operations and post-closure totals approximately 178,425 acre-feet.

Table 7-5. Specified Leakage Totals

	Operations (acre-feet)	Post-Closure (acre-feet)	Total (acre-feet)
Near Dam	15,912	11,791	27,703
Scavenger	52,418	67,234	119,652
Main Embankment	8,018	4,899	12,917
Pyrite Cell 1 Embankment	2,774	0	2,774
Pyrite Cell 2 Embankment	3,029	1,250	4,279
Pyrite Cell 1	N/A	5,816	5,816
Pyrite Cell 2	N/A	5,284	5,284
Total	**82,151**	**96,274**	**178,425**

7.4 Solute-Transport Parameters

The primary purpose of the predictive numerical model is to predict the concentration of constituents of concern in the groundwater flow system due to the development of the TSF. This is also the main reason for selecting the USG-Transport code. Transport is simulated in USG-Transport by the Block-Centered Transport (BCT) package.

Transport was simulated using only a single non-reactive mobile species. The mobile species was assigned a unit concentration (having a concentration equal to 1) for all leakage inputs and was constant throughout the duration of the simulation. It is useful to use unit concentration for transport as the results can be scaled for specific constituents if their source concentration is known. USG-Transport also requires an initial concentration for every active cell in the model. Since the model is run using unit concentrations, all cells were assigned zero initial concentration.

7.4.1 Simulation of Evapotranspiration

The ETS package used to represent GET in the model has the option on whether to remove concentration when transport is being simulated. The ETS package was set so that GET would not remove concentration from the system as a conservative assumption (i.e. plants would not remove seepage from the model). Locations where GET is proximal to the TSF and assumed to be removed during TSF construction are shown in orange on Figure 5-5. GET is not simulated at these locations in the predictive model because it is assumed that some vegetation will be removed during construction of the TSF.

7.4.2 Dispersivity and Porosity

The option to simulate anisotropic dispersion was selected as well. Additional parameters required to simulate dispersion include longitudinal and transverse dispersivity in both the vertical and horizontal directions. Longitudinal dispersivity was set to a value such that the peclet number would be less than 2, as suggested for finite difference models by (Zheng and Bennett, 1995). With a horizontal model grid cell dimension of 100 feet, this results in a longitudinal dispersivity of 75 feet. The transverse dispersivity was 7.5 feet; one order-of-magnitude smaller than the longitudinal dispersivity. Vertical longitudinal and transverse dispersivities are one order-of-magnitude smaller than their respective horizontal components (Xu and Eckstein, 1995, Gelhar and others, 1992). Porosity was set equal to specific yield for all the HGUs in the predictive model, Table 7-2.

7.5 Seepage Control Measures

A series of seepage control measures were designed by KCBCL to reduce seepage or capture seepage such that concentrations were below ADEQ regulatory groundwater standards in the aquifer at the POC (KCBCL 2020b). Seepage control measures in the design of the TSF included use of high density thickened / thin lift tailings deposition technology, low-permeability liners in the pyrite cells, finger drains under the main embankment, lined seepage collection channels along main embankment, shallow alluvial collection wells at the base of the embankment, a lined seepage collection pond with a pump back system and a grout curtain across the alluvial channel of the Dripping Spring Wash. Figure 7-13 shows the location of the seepage collection measures in plan view and Figure 7-14 shows cross-sections of the seepage control measures.

Due to the resolution and purpose of the predictive model, parameters were applied to the model as described below. Detailed designs and field parameters for the seepage control measures will likely differ, but will be designed to achieve the same effectiveness

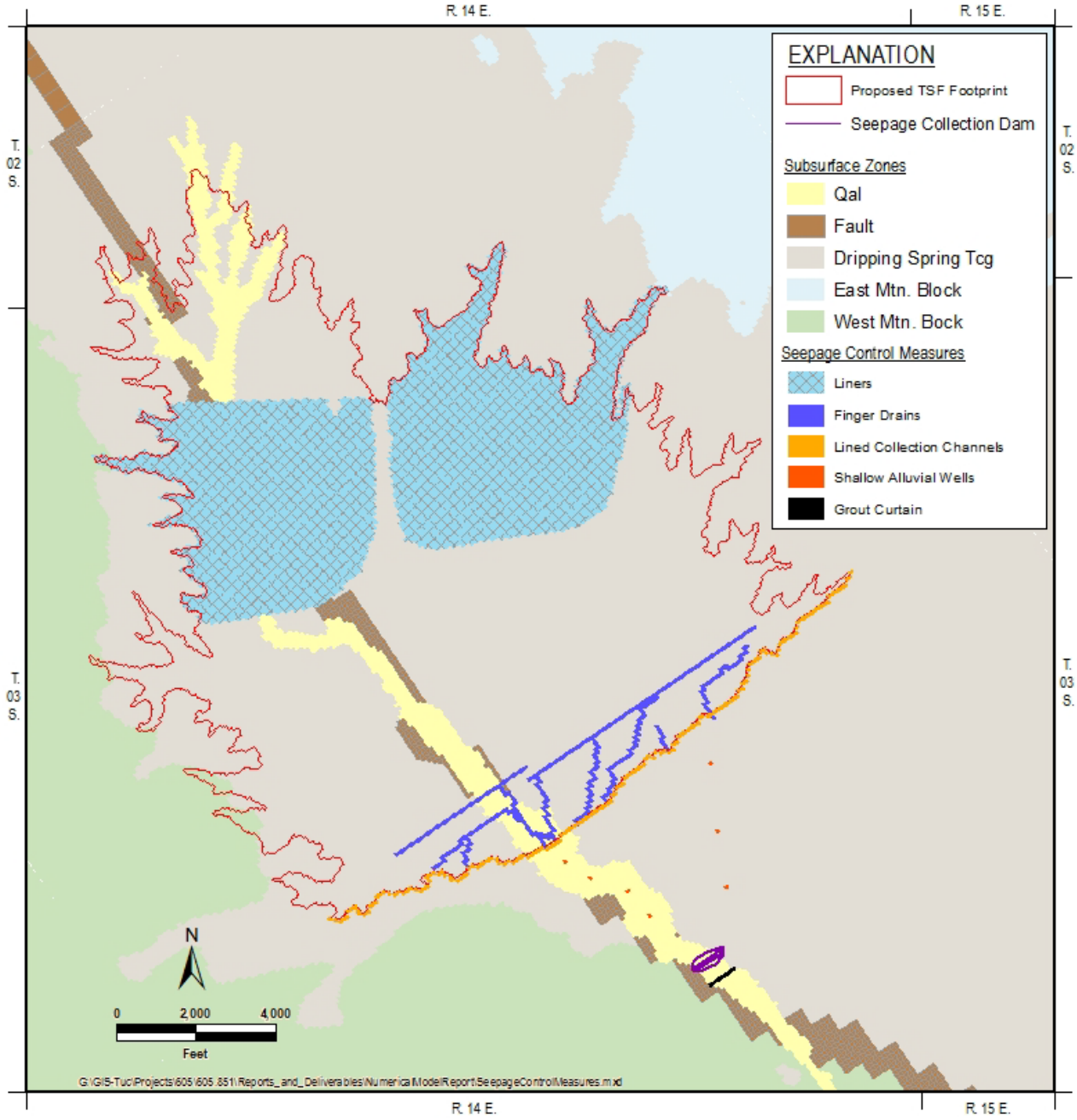

Figure 7-13. Plan View of Seepage Control Measures

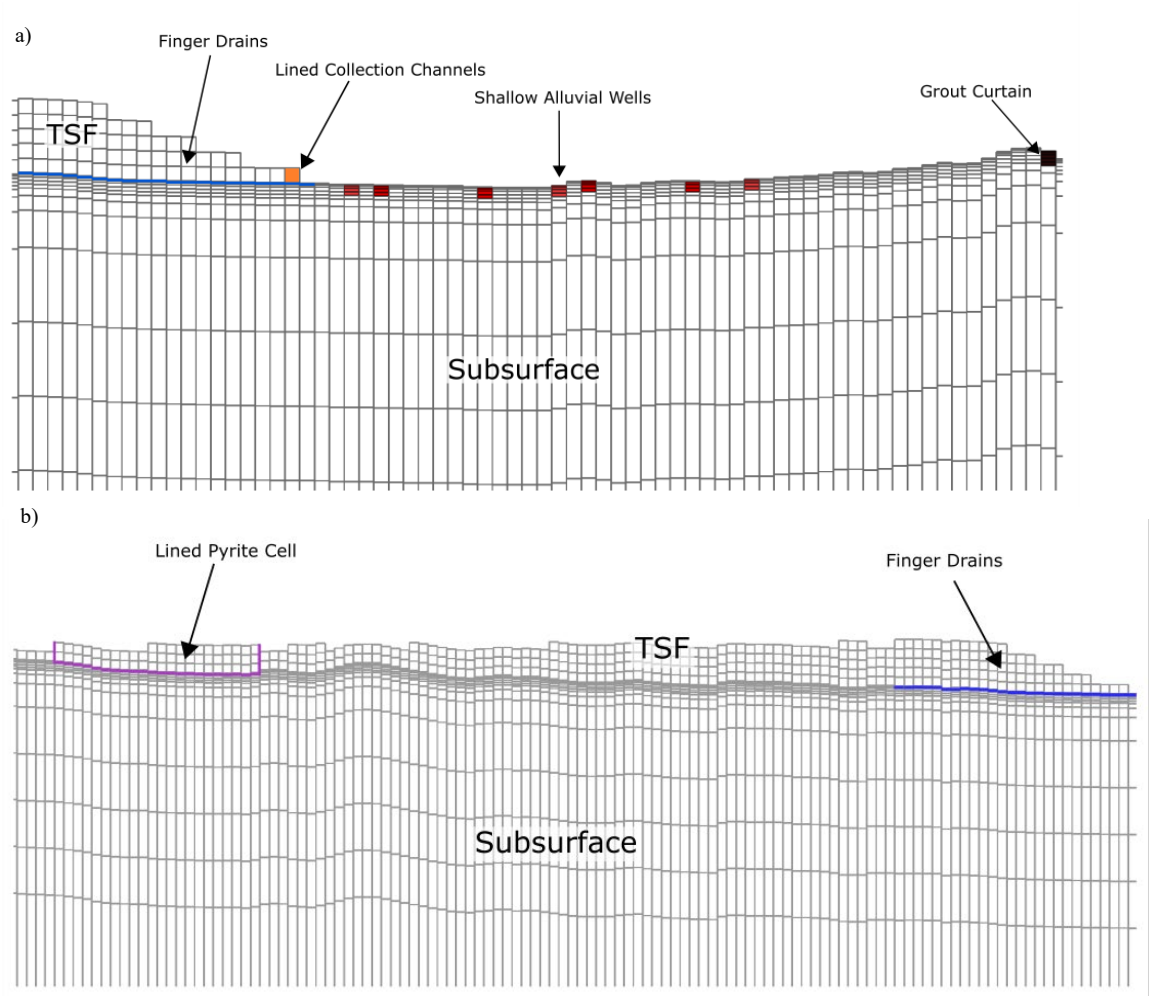

Figure 7-14. Cross-Section of Seepage Control Measures

7.5.1 Grout Curtain

The grout curtain was simulated in the model using USG-Transport Horizontal Flow Barrier (HFB) package to represent a 3-foot thick; 100-foot deep grout curtain with a hydraulic conductivity of $1x10^{-6}$ cm/sec.

7.5.2 Seepage Collection Wells

Shallow collection wells were represented using the Connected Linear Network (CLN) package and WEL package. Each well in the model was 75 feet deep extending through the depth of the Qal and was assigned a maximum pumping rate of up to 250 gallons per minute (gpm). The

collection wells pump only during operations. There are seven collection wells. Four of the collection wells are situated in the main alluvial channel of Dripping Spring Wash between the toe of the TSF and the grout curtain. The other three wells are located in a drainage that drains from the TSF to the east of Dripping Spring Wash.

7.5.3 Pyrite Cell Liners

The pyrite cells are segregated from the scavenger tailings by cyclone sand embankments. To further prevent seepage from leaving the pyrite cells they are designed with low-permeability liners. The low-permeability layers placed on the bottom and sides of the pyrite cells have a low hydraulic conductivity that slows leakage into the subsurface. The low-permeability layers are represented in the model using two different USG-Transport packages. The HFB package, also used for the grout curtain, is used to represent the low-permeability layer placed vertically between the pyrite tailings and the embankment to limit horizontal flow out of the pyrite tailings and into the embankment. The HFBs representing the low-permeability layers extend from the foundation to the top of the pyrite tailings on the upstream side of the embankment.

Low permeability layers on the bottom of the pyrite cells are represented using the Quasi-3D Confining Bed (Q3D) package in USG-Transport, which are used to restrict flow in the vertical direction. The Q3D confining beds cover the entire extent of the pyrite cells and terminate in the cells containing HFBs representing the vertical low-permeability layers, to create a fully lined enclosure. The low-permeability layer of the pyrite cells in the model has an equivalent hydraulic conductivity of 1 x 10^{-10} cm/s and thickness of 3 feet for both the HFB package and Q3D package.

7.5.4 Lined Collection Channels

Lined collection channels are present at the toe of the main embankment. These channels are represented in the model using the drain (DRN) package. Drains are placed at the furthest downstream cell along the main embankment in layer 7 of the TSF and active throughout operations and draindown.

7.5.5 Finger Drains

Finger drains are designed to be installed below the main embankment and near dam scavenger tailings to capture leakage as it leaves the TSF. The finger drains below the main embankment were located in the natural drainages and followed land surface topography to drain water from the TSF. The finger drains in the near dam scavenger tailings run parallel the main embankment and follow the down gradient slope directly to the nearest drainage. This orientation results in a continuous finger drain that diverges at hilltops to separate drainages. The near dam finger drains are connected to the finger drains under the main embankment through the drainages.

The finger drains are represented by neighboring model cells in the layer immediately below the TSF (layer 8) that have a continuous down gradient slope. Layer 8 is 10 feet thick and is the first layer of the subsurface, which represents land surface. The resulting finger drain is 10 feet thick and 100 feet wide. The hydraulic conductivity in the finger drain cells has been increased to 250 ft/day. The specific yield is 0.16, which is similar to that of the Qal.

At the downstream end of each finger drain beneath the main embankment there is a drain cell simulated using the DRN package of USG-Transport. The finger drains and drain cells that remove seepage from the model are active throughout operations and draindown.

7.6 Solver Settings

The flow and transport solutions are solved sequentially, with the flow and transport using the same stress period and time step length. The Sparse Matrix Solver (SMS) package is used in USG-Transport to set the solver parameters that control convergence of the solutions.

The following solver settings were found through testing to provide optimal convergence efficiency for the predictive model. Outer head closure criterion was set to 1.0 and the inner head closure set to 0.001. The SOLVEACTIVE option was also used, which limits the solver to include only active cells in the solution matrix. The Newton-Raphson iteration scheme was selected for the nonlinear solution method with the Cooley under-relaxation scheme. The unstructured pre-conditioned conjugate gradient (PCGU) solver was selected for the linear solution method. The preconditioned bi-conjugate gradient stabilized method was employed for the PCGU solver along with ILU(0) preconditioning.

The transport (BCT) package includes an option to assist with the accuracy of the transport solution called the Third-order Total-Variation-Diminishing Method (TVD). The TVD option sets the number of iterations that the scheme will go through to correct numerical dispersion. TVD was set to 2 iterations because it has been found that 2 iterations are typically sufficient to minimize the errors with regard to numerical dispersion (Panday, 2019).

8 WATER QUALITY STANDARDS

The predictive model was developed to estimate the concentration of tailings seepage in groundwater and surface water, evaluate the need for seepage control measures, and demonstrate their expected performance. The ADEQ has established groundwater and surface water quality standards to maintain the water quality of the natural system for the safety and benefit of humans, plants, and animals. ADEQ has set maximum concentration limits for constituents of concern in both groundwater and surface water. Groundwater standards are required to be met at a Point of Compliance (POC) 750 feet downstream from the tailings infrastructure. Surface water standards will apply at the Gila River. This report provides comparison of modeled concentrations to relevant ADEQ water quality standards.

8.1 Allowable Unit Concentration

The predictive model was run using a unit concentration approach in which tailings seepage is assigned a concentration of 1 and background water in the natural system is assigned a concentration of 0. By using this approach, predicted water quality can be assessed for multiple of constituents without re-running the model. This approach then requires a conversion to relate the predicted unit concentration to the water quality standard of a specific constituent. This section describes the approach used to relate the unit concentration to specific water quality standards. Results in Section 9 of this report are presented as unit concentrations. However, results are converted into constituent specific concentrations for all relevant constituents in Appendix B.

8.1.1 Groundwater

Allowable unit concentration was calculated for each constituent with a groundwater quality standard or a secondary drinking water standard. In order to provide comparison between modeled unit concentrations and ADEQ groundwater water quality standards, an allowable unit concentration was determined for each individual constituent. This was done using Equation 8.1:

$$Allowable\ Unit\ Concentration = \frac{Standard\ Concentration - Background\ Concentration}{Source\ Concentration} \qquad \text{Equation 8.1}$$

Where Standard Concentration is the relevant ADEQ water quality standard (Arizona Administrative Code (A.A.C.) R18-11-406), Background Concentration (M&A, 2020b) is the average concentration of the constituent currently in the water, and the Source Concentration is the estimated concentration of tailings seepage (Enchemica 2018, and Rio Tinto, 2018).

Table 8-1 summarizes the allowable unit concentrations for groundwater in the Skunk Camp study area.

Table 8-1. Allowable Concentrations for Groundwater

Parameter	Standard (mg/L)	Average Background (mg/L)	Standard Minus Background (mg/L)	Average Source (mg/L)	Allowable Unit Concentration
TDS[1]	500	316	184	1470	0.13
Sulfate[1]	250	20.6	229.4	869.5	0.26
Selenium	0.05	0.0005	0.0495	0.1121	0.44
Cadmium	0.005	0.000063	0.004937	0.005458	0.90
Thallium	0.002	0.00008	0.00192	0.00209	0.92
Fluoride	4	0.249	3.751	2.807	1.34
Antimony	0.006	0.00023	0.00577	0.00396	1.46
Nickel	0.1	0.0025	0.0975	0.0660	1.48
Nitrate as N	10	2.728	7.272	3.029	2.40
Chromium	0.1	0.003	0.097	0.030	3.20
Lead	0.05	0.00032	0.04968	0.00092	53.95
Barium	2	0.0233	1.9767	0.0181	108.97
Arsenic	0.05	0.00073	0.04927	0.00010	481.05

[1] secondary drinking water standards established by EPA

Based on Table 8-1, the maximum allowable unit concentration for groundwater is 0.13 for TDS). The standard for TDS comes from secondary drinking water standards established by the EPA. The most limiting constituent based on ADEQ groundwater standards is selenium which has an allowable unit concentration of 0.44. Because selenium has the lowest allowable unit concentration of ADEQ regulated constituents, selenium has been selected as the limiting constituent. In other words, if predicted selenium concentrations are beneath the groundwater quality standard, predicted concentrations for all other constituents with ADEQ groundwater standards will also comply with their standards.

8.1.2 Surface Water

Tailings seepage will not directly discharge to any surface water body. The closest downstream perennial surface water body to the TSF is the Gila River, approximately 10 miles away. Any seepage entering the Gila River, will first have to flow 10 miles downstream in groundwater. For the purposes of comparison with surface water standards, this report presents the concentration of groundwater before mixing with the Gila River. This is done as a conservative measure – concentrations are expected to be significantly reduced after mixing with the river.

For surface water, ADEQ regulatory standards have an antidegradation rule that states that constituents added to the hydrologic system cannot reduce the difference between the standard and background by more than 50%. The non-degradation clause requires a slight modification to Equation 8-1 to determine the allowable unit concentration for surface water as shown in equation 8.2.

$$Allowable\ Unit\ Concentration = 0.5 \times \frac{Standard\ Concentration - Background\ Concentration}{Source\ Concentration} \qquad \text{Equation 2}$$

Allowable unit concentrations for the surface water of the Skunk Camp study area were determined using average source concentration for constituents from the TSF over 41 years of operations (Enchemica, 2018), background concentrations based on samples collected in the Gila River downstream of Dripping Spring Wash (M&A 2020b), and numeric water quality standards established by A.A.C. R18-11 Article 1, Appendix A. For this analysis, the applicable surface water standards are for Aquatic and Wildlife Warm - Chronic. Table 8-2 summarizes the allowable unit concentrations for surface water in the Skunk Camp study area.

Table 8-2. Allowable Unit Concentrations for Surface Water

Parameter	Standard (mg/L)	Average Background (mg/L)	Standard - Background (mg/L)	Average Source (mg/L)	Allowable Unit Concentration
TDS[1]	500	597	0	1470	0
Copper	0.009	0.00752	0.00074	0.19437	0.00381
Selenium	0.002	0.0007	0.0007	0.1121	0.0058
Zinc	0.117	0.013	0.052	1.226	0.042
Sulfate[1]	250	133.1	58.5	869.5	0.1
Cadmium	0.0022	0.000061	0.00107	0.005458	0.19595
Nickel	0.052	0.0045	0.024	0.066	0.360
Lead	0.0025	0.00097	0.00077	0.00092	0.83152
Chromium	0.0741	0.002	0.04	0.03	1.20
Nitrate as N	10	0.311	4.845	3.029	1.599
Antimony	0.03	0.00027	0.01487	0.00396	3.75379
Fluoride	140	0.976	69.512	2.807	24.764
Thallium	0.15	0.00008	0.07496	0.00209	35.86603
Silver	4.667	0.000061	2.3335	0.026899	86.7493
Manganese	130.667	0.0846	65.2912	0.6332	103.1131
Iron	1	0.042	0.479	0.002	239.500
Boron	186.667	0.199	93.234	0.291	320.392
Arsenic	0.15	0.00634	0.0718	0.0001	718.3000
Barium	98	0.0688	48.9656	0.0181	2705.2818

[1] secondary drinking water standards established by EPA

The most limiting constituent based on ADEQ surface water standards is copper with an allowable unit concentration of 0.00381. Because copper has the lowest allowable unit concentration of ADEQ regulated constituents, it is the limiting constituent. If predicted copper concentrations are beneath the surface water quality standard, predicted concentrations for all other constituents with ADEQ surface water standards will also comply with their standards.

9 PREDICTIVE MODEL RESULTS

The predictive model was run for two scenarios, one without seepage control measures (Scenario 1) (other than pyrite cell liners) and another with seepage control measures (Scenario 2). RC plans to develop the TSF with seepage control measures according the KCBCL design (KCBCL, 2020b). Scenario 1 was run for comparison to the planned TSF design.

Simulated concentrations were evaluated using the allowable unit concentration for the most limiting regulated constituent identified for groundwater standards, selenium, and surface water standards, copper. The model was run using unit concentration providing the ability to evaluate multiple constituents simultaneously. This results in simulated concentrations ranging from 0 to 1, which can then be compared to the allowable unit concentration for comparison to the relevant standard. To verify the use of unit concentration a single simulation was completed using selenium source concentrations instead of unit concentrations.

The evaluation of seepage control measures was also supported by a leakage water balance for the TSF, changes to the water table, and the concentration of seepage at several years throughout the simulation.

9.1 Observation Locations

Concentrations through time were predicted by the model at two locations; a groundwater location near the TSF and a representative surface water location downstream in Dripping Spring Wash near the Gila River, Figure 9-1.

The observation location for groundwater or POC is 750 feet downgradient from the furthest downstream infrastructure of the permitted facility (seepage collection pond) consistent with ADEQ's APP regulation.

As described in Section 8, the model was not used to directly predict the concentration of surface waters impacted by tailings affected groundwater. Instead, a groundwater observation location was selected 500 feet upstream of the confluence of Dripping Spring Wash and the Gila River. The simulated concentrations were observed at this location for the purpose of comparison to surface water standards. However, in reality, seepage entering the Gila River would be further diluted by mixing with Gila River flows. This dilution is not accounted for in the results presented in this report and represents a conservative element of the results.

At each observation location, simulated concentrations were observed along a line of model cells perpendicular to the expected flow path of groundwater leaving the TSF. The concentration presented at each observation location is the maximum concentration along the line of model cells in any layer of the model.

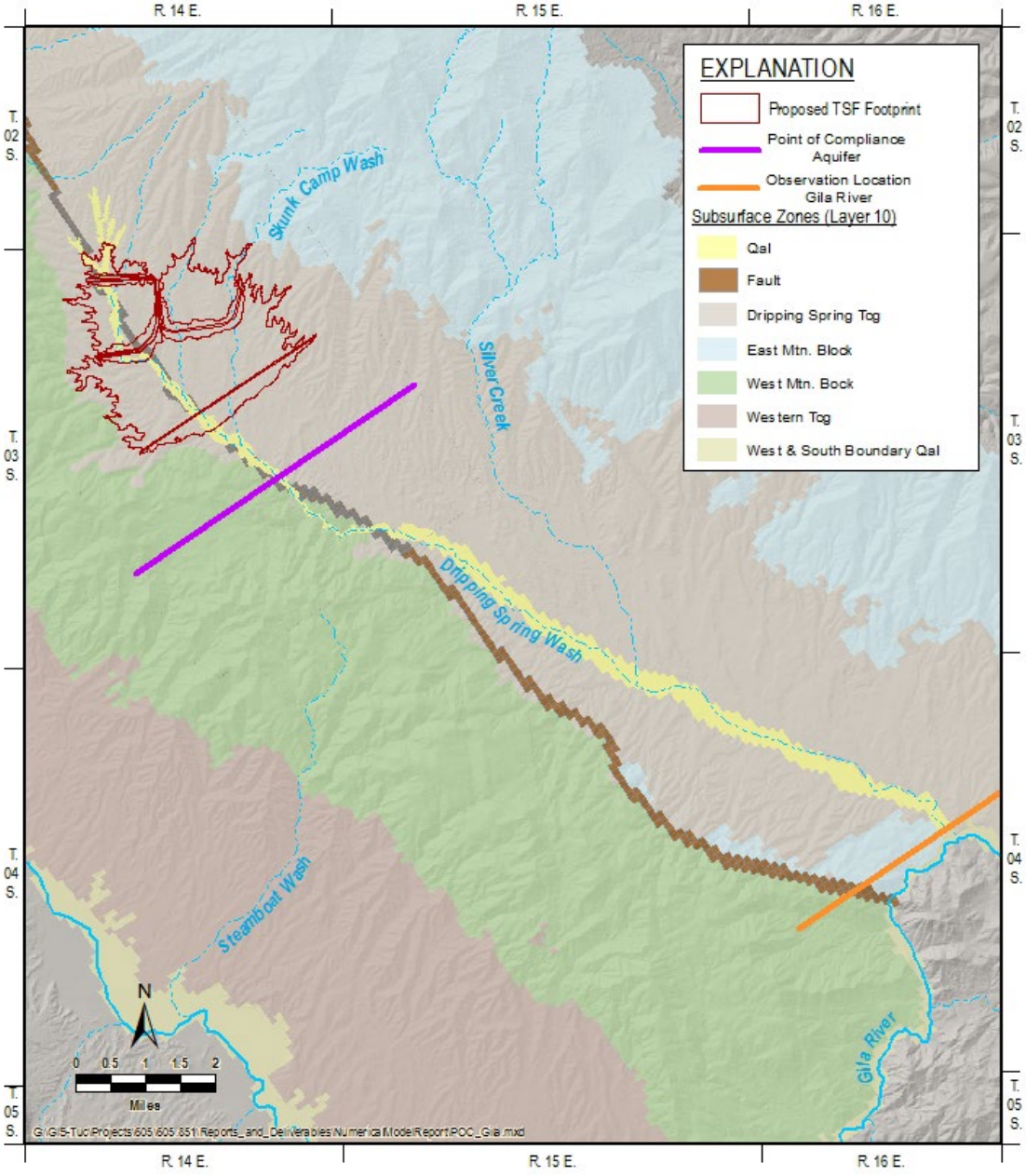

Figure 9-1. Observation Locations

9.2 Results

Time-series plots of the maximum simulated concentration (breakthrough curve) at the observation locations were prepared by identifying the maximum solute concentration at each time step of the model.

9.2.1 Scenario 1

The predictive model scenario without seepage control measures Scenario 1 was run without finger drains, shallow collection wells, or a grout curtain. Scenario 1 does include low-permeability layers in the pyrite cells because they are necessary to maintain ponded conditions.

Figure 9-2 shows observed concentration at the aquifer POC for Scenario 1. An early peak concentration of approximately 0.38 is observed in the alluvium approximately 30 years into operations. However, simulated concentrations do not exceed the 0.44 allowable unit concentration for selenium until year 75 and don't decrease below the concentration limit for another 100 years. The highest concentration of 0.5 for this scenario occurs in year 143. After year 175 the concentration gradually decreases throughout the remainder of the simulation.

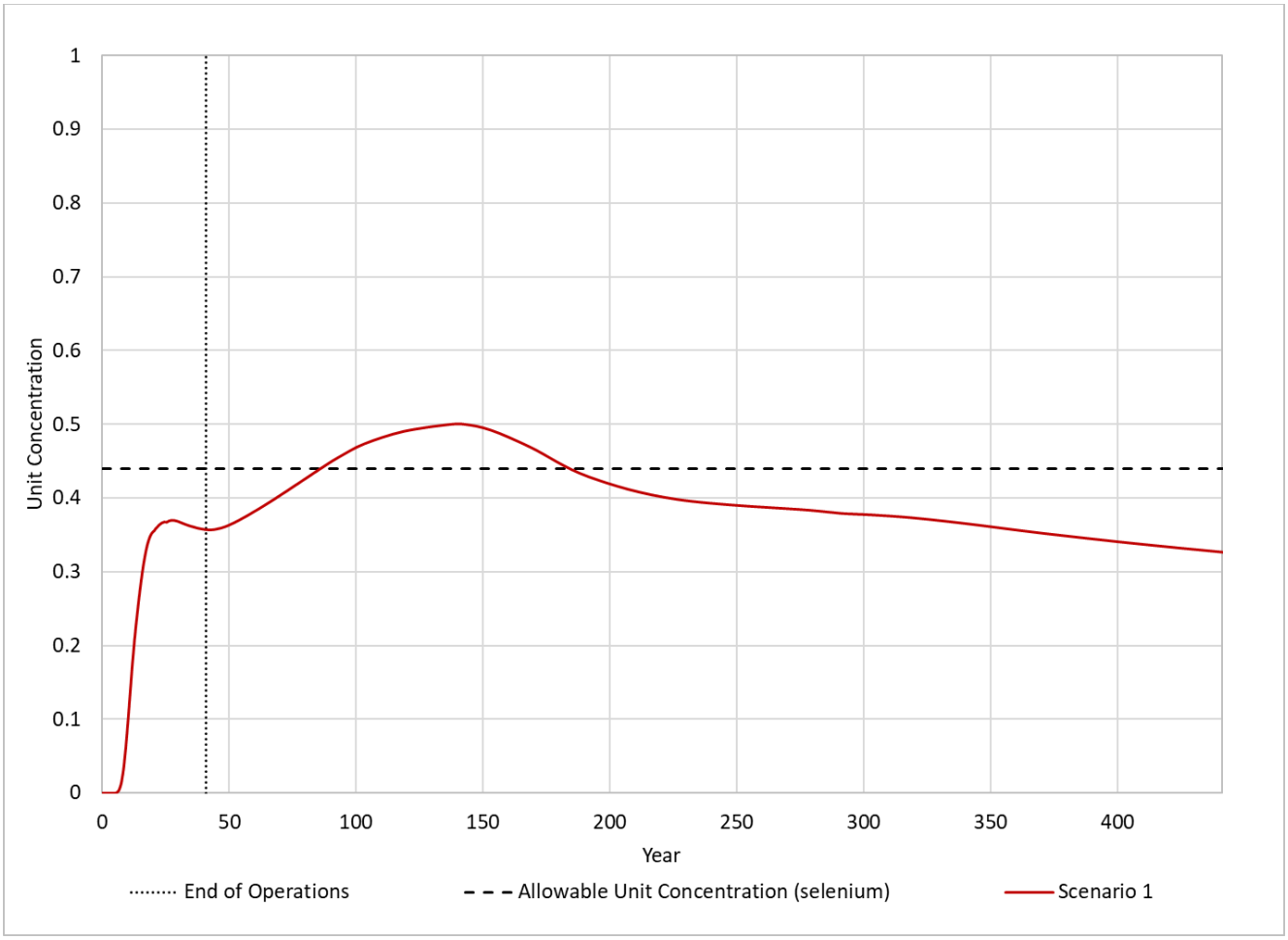

Figure 9-2. Simulated Concentrations with No Seepage Control Measures

9.2.2 Scenario 2

Scenario 2 includes finger drains beneath the near dam scavenger beach tailings and main embankment, shallow collection wells in the alluvium downstream of the main embankment, lined seepage collection channels, and a grout curtain in the alluvium at the seepage collection pond. The implementation of seepage control measures is described in detail in Section 7.

9.2.2.1 Concentration Through Time

With the addition of these seepage control measures the concentration stays below the 0.44 limit for the duration of the simulation at the aquifer POC, Figure 9-3. Unit concentrations through time can be used to determine the projected concentration of any constituent. Projected concentrations for all constituents are provided as Excel files in Appendix B for all Scenario 2 plots. The seepage control measures effectively reduce the peak that was observed during life of

mine in the scenario without seepage control measures. This occurs because the drains reduce the amount of seepage entering the aquifer and the pumpback wells remove seepage from the alluvium. After the seepage collection wells turn off in year 42 the concentration increases but still does not increase above 0.44. The maximum unit concentration is approximately 0.40 and occurs again around year 140. Concentrations after year 200 are very similar to the scenario without seepage control measures and show a gradual decline in concentration until the end of the simulation.

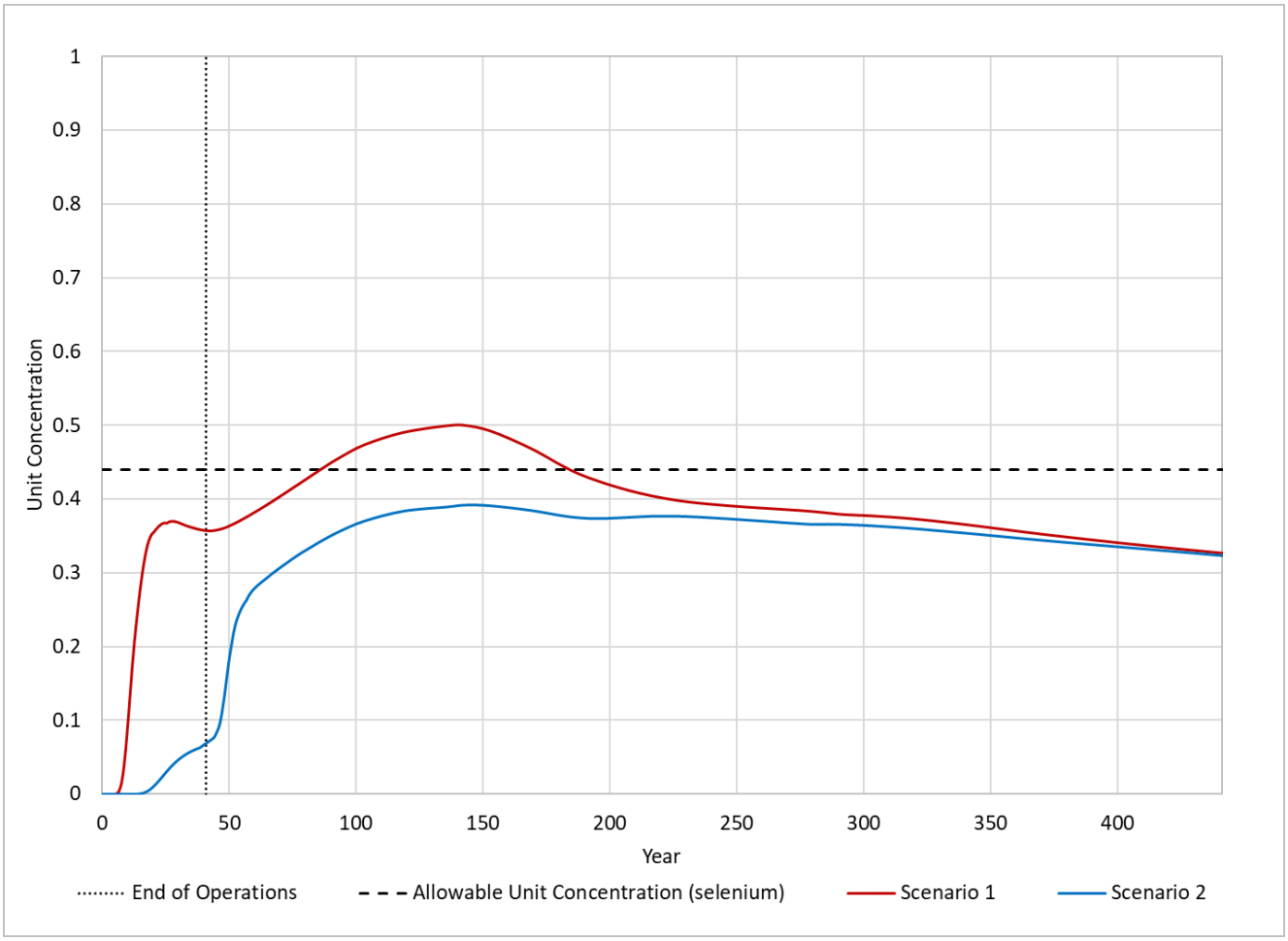

Figure 9-3. Simulated Concentrations with Seepage Control Measures

Observations of simulated concentrations in Dripping Spring Wash above the Gila River show compliance with surface water standards throughout the duration of the simulation when seepage control measures are present.

Comparison with Surface Water Standards

Figure 9-4 shows the maximum concentration in the upper 500 feet of the subsurface 500 feet upstream from the Gila River, which is water that would be expected to eventually mix with the Gila River. Comparison between projected concentrations and the surface water standard for copper, which is the limiting surface water standard, is provided on the plot. Unit concentrations through time can be used to determine the projected concentration of any constituent. Projected concentrations for all constituents are provided as Excel files in Appendix B for all Scenario 2 plots. In the plot of Scenario 1 an early pulse travels through the alluvium. A second pulse arrives around year 300 via the fault. This concentration of this pulse exceeds surface water standards, for approximately 40 years corresponding to the operational period of the TSF. However, it should be noted, even Scenario 1 would be unlikely to exceed surface water standards after mixing with water in the Gila River. Scenario 2 does not exceed surface water standards during the model simulation period. The significant reduction in peak concentration is attributed to the addition of seepage controls which operate during operations (e.g. drains, grout curtain, wells) and (e.g. drains, grout curtains) post closure.

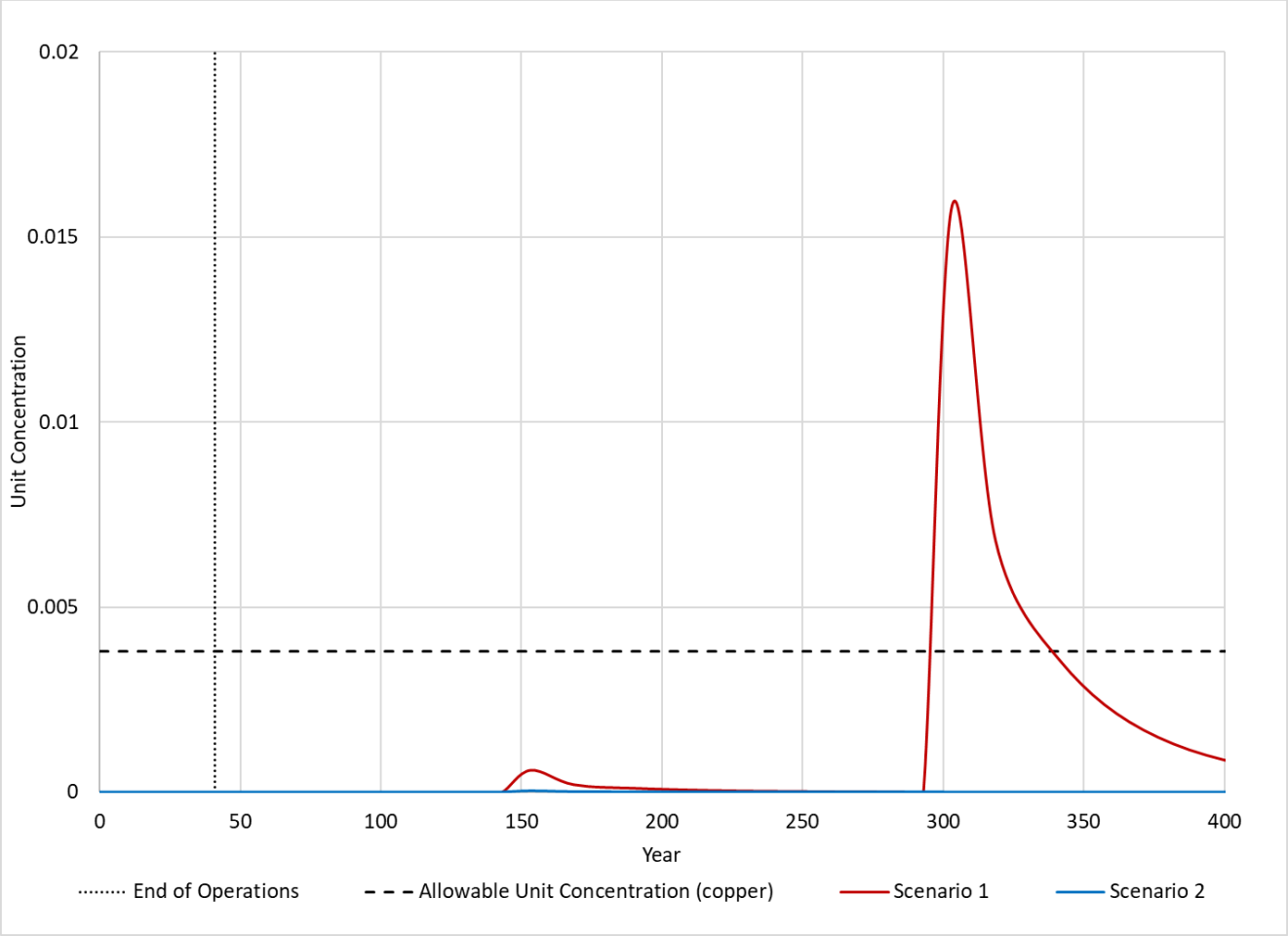

Figure 9-4. Projected Concentration above Gila River and Comparison to Surface Water Standards

9.2.2.2 Concentration along Dripping Spring Wash

Maximum unit concentration was also observed along the length of Dripping Spring Wash at three different points in time through all model layers, Figure 9-5, and separately in the upper 500 feet beneath land surface, Figure 9-6. Projected concentrations for all constituents are provided as Excel files in Appendix B for all Scenario 2 plots. Both figures show the aquifer POC, which is 750 feet downstream from the grout curtain, as a vertical dashed line. The concentration is shown for years 41, 143, and 441. Concentrations in all model layers are compared to the 0.44 allowable unit concentration for selenium in groundwater. The concentrations are shown starting at the downstream end of the TSF right in front of main embankment to the Dripping Spring Wash confluence with the Gila River, a distance of approximately 10 miles.

In all model layers maximum concentration downstream from the aquifer POC stays below the 0.44 allowable unit concentration for each year shown, Figure 9-5. For each year shown the concentration drops off rapidly with distance as seepage is diluted moving downstream.

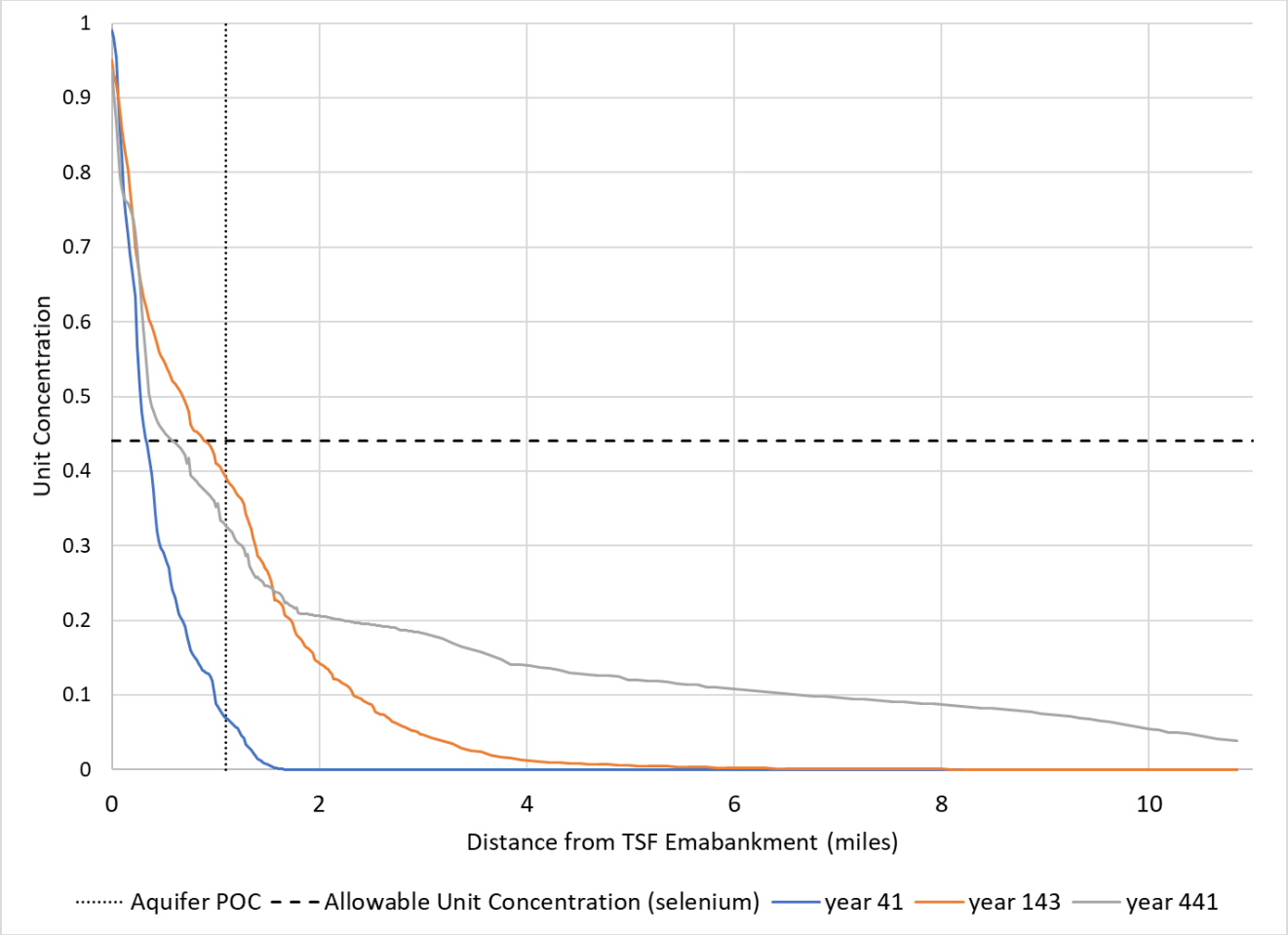

Figure 9-5. Aquifer Concentration Along Dripping Spring Wash

Figure 9-6 shows the maximum concentrations in the upper 500 feet beneath land surface at year 41, year 143, year 441. The figure shows the concentrations at the aquifer POC and at Dripping Spring Wash above the confluence with the Gila River (second vertical dashed line) beneath their respectively water quality standards. The jagged appearance of the plot between miles 5 and 10 is attributable to mass moving vertically between layers. Concentrations shown in the plot are cut off 500 feet upstream from the Gila River before mixing with the Gila River. Concentrations of water in the Gila River after mixing would be expected to be substantially lower than plotted concentrations.

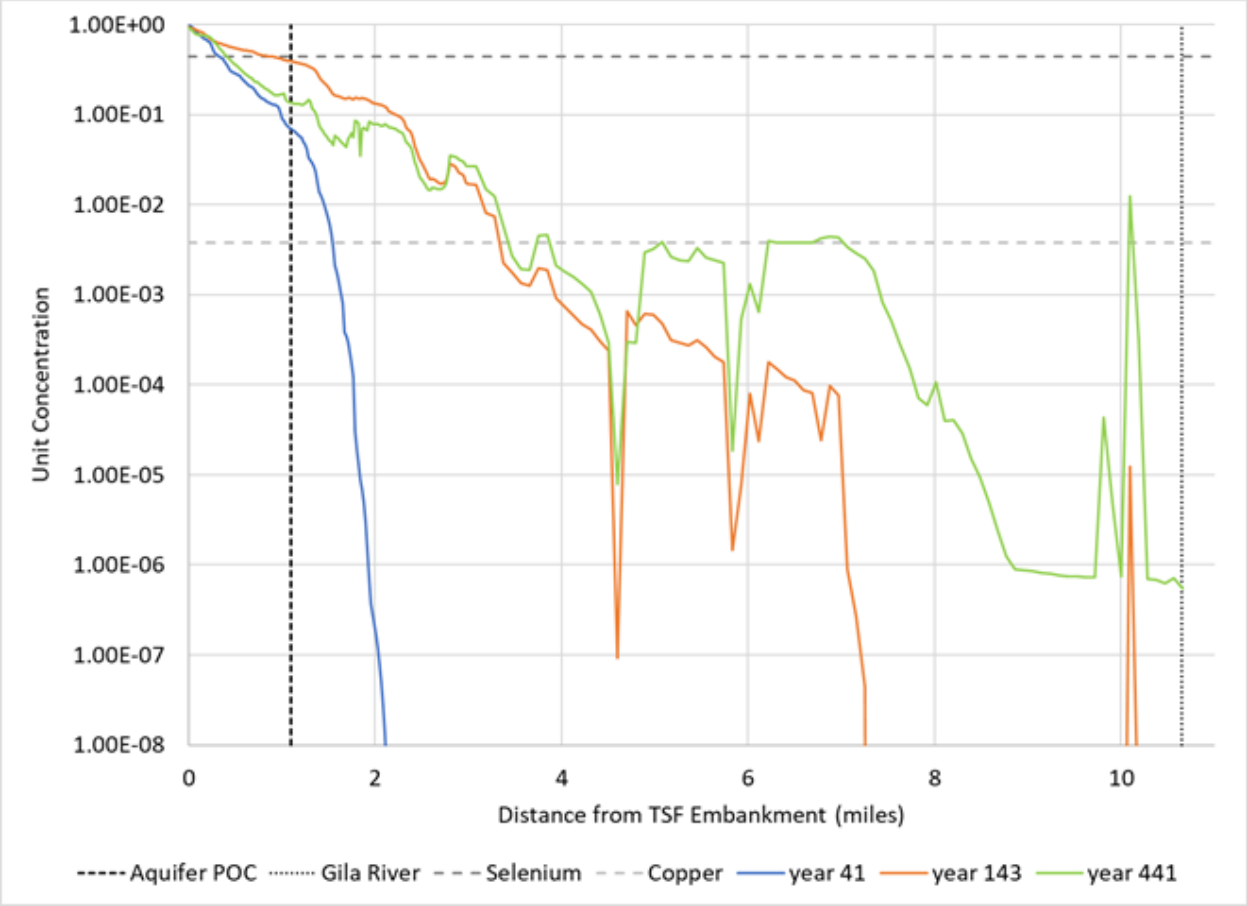

Figure 9-6. Concentration Along Dripping Spring Wash

9.2.2.3 Spatial Distribution of Concentration

Figure 9-7 shows the distribution of concentration in year 41, 500 bls. The red color in Figure 9-7 indicates concentrations above the 0.44 (0.440e-001) allowable unit concentration for selenium in groundwater. The effect of the low-permeability layers on seepage can also be seen when observing concentration at depth at the end of operations. At 500 ft bls the concentrations below the pyrite cells are still below the 0.44 allowable unit concentration for selenium. The concentrations beneath the scavenger beach tailings and much of the embankments exceeds the 0.44 allowable unit concentration. The trace of the Dripping Spring fault can be seen in the middle of the scavenger beach tailings. After 41 years, seepage has moved away from the TSF and progressed downstream following the fault and Qal.

At 143 years the concentration 500 ft bls have increased across the TSF footprint, including beneath the pyrite cells. The seepage has moved downstream, and the red 0.44-unit concentration cutoff can be seen upstream of the POC within the fault, Figure 9-8.

After 441 years, concentrations in the fault downstream of the TSF have decreased. Concentrations within the footprint of the TSF are still above the 0.44 allowable unit concentration and has also filled in beneath the pyrite cells, Figure 9-9.

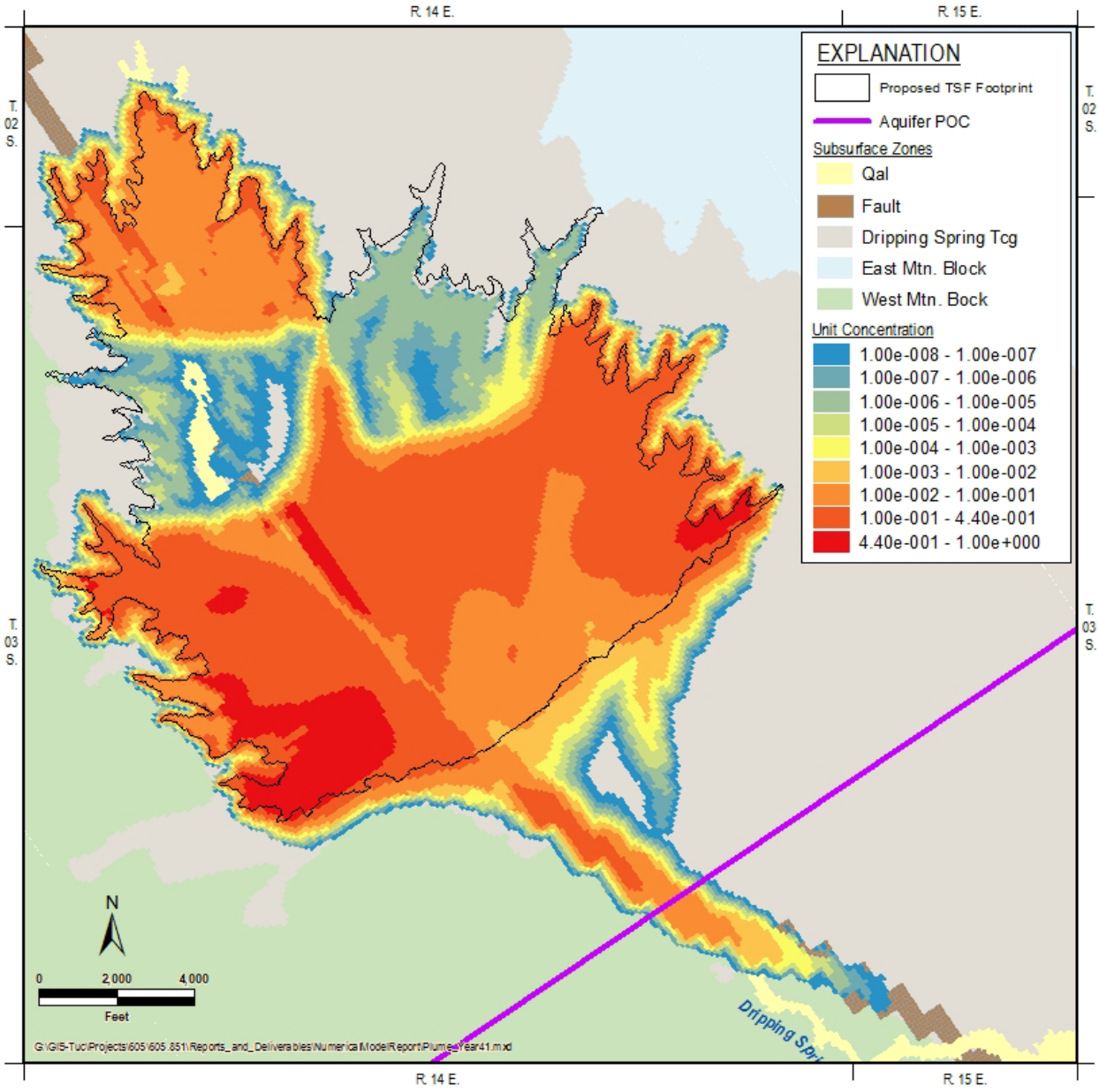

Figure 9-7. Concentration 500 feet bls in Year 41

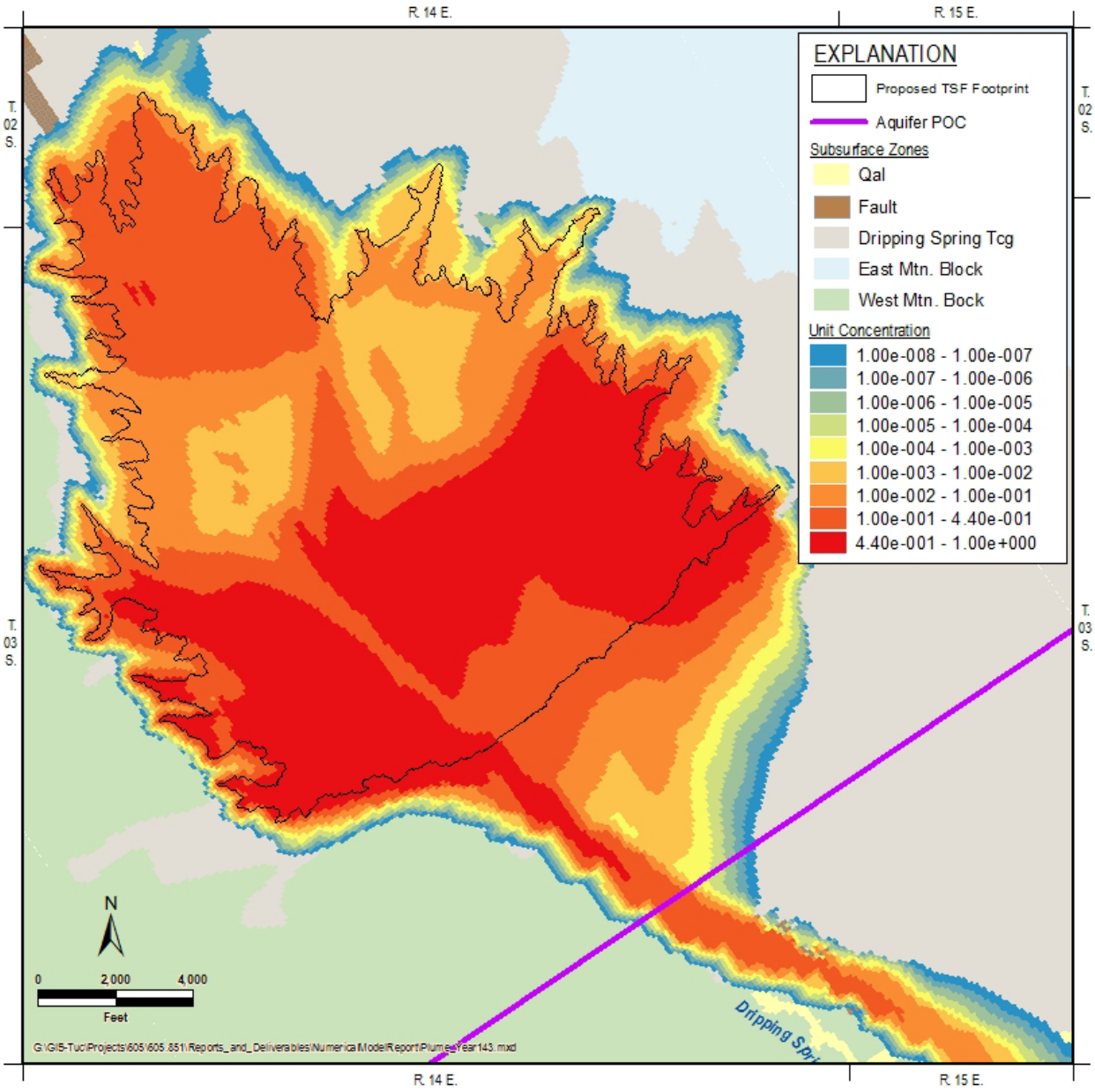

Figure 9-8. Cocentration 500 feet bls in Year 143

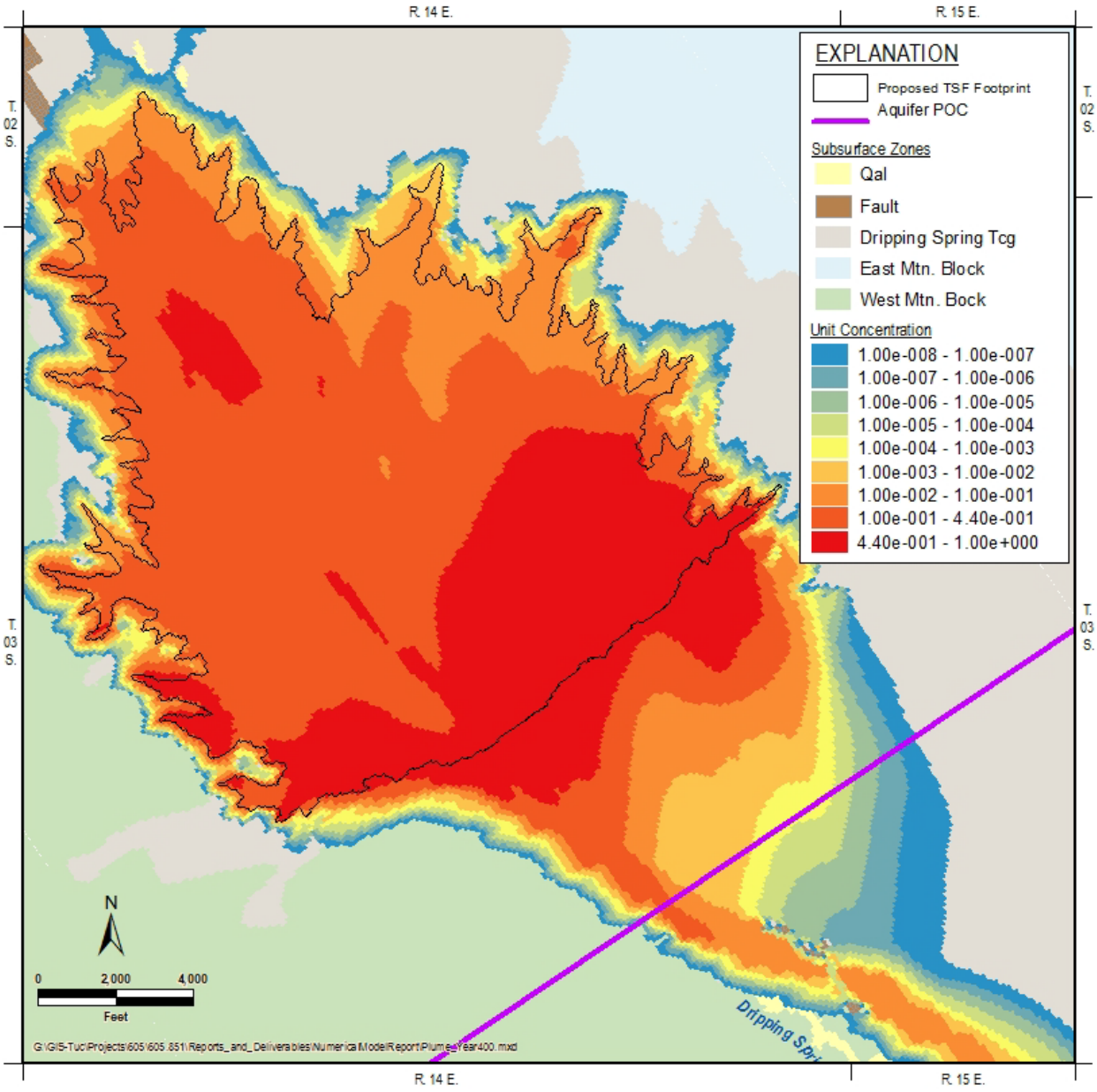

Figure 9-9. Concentration 500 feet bls in Year 441

9.3 Scenario 2 Seepage Water Balance

Seepage is water that enters the subsurface layers of the model. Of the 178,425 acre-feet of leakage applied to the TSF during the 441year simulation, 165,000 acre-feet of seepage leave the TSF during the model simulation. 74,000 acre-feet of seepage leave the TSF during operations and 91,000 acre-feet leave post-closure. Table 9-1 provides a detailed breakdown of the seepage that leaves the TSF during operations and post-closure.

Table 9-1. Scenario 2 Seepage Totals

	Operations	Post-Closure	Total
	(acre-feet)		
Main Embankment	10,209	6,431	16,640
Scavenger	56,444	74,770	131,214
Pyrite Cell 1 Embankment	3,882	5,402	9,284
Pyrite Cell 2 Embankment	3,257	3,907	7,164
Pyrite Cell 1	16	285	301
Pyrite Cell 2	11	294	306
Total	73,818	91,090	164,908

9.3.1 Seepage Control Performance

As discussed in section 9.2.2, without seepage control measures the seepage added to the subsurface results in a peak unit concentration of 0.5. The addition of seepage control measures reduces concentration in the predictive model to slightly less than 0.4. The reduction is achieved primarily by capture of seepage by wells and drains. In Scenario 2 the wells and drains collect a total of 60,000 acre-feet of water. However, water collected by drains and wells is a mixture of background groundwater and seepage. 40,000 acre-feet of the water collected is pure seepage Table 9-2). This means that approximately 24% (40,000 of the total 165,000 acre-feet) of all seepage is captured by the seepage controls.

Table 9-2. Scenario 2 Seepage Capture

	Total Volume of Water (acre-feet)			Seepage (acre-feet)		
	Wells	Finger Drains	Total	Wells	Finger Drains	Total
Operations	16,533	19,749	36,282	6,577	16,530	23,107
Post-Closure	-	23,921	23,921	-	17,027	17,027
Total	16,533	43,670	60,203	6,577	33,557	40,134

The capture efficiency, or percent of collected water that is seepage, varies between engineering controls. Wells collect 16,533 acre-feet of water during operations. 6,577 acre-feet of the water collected by wells is pure seepage – the wells have a capture efficiency of about 40%. In contrast, the drains capture 19,749 acre-feet of water, 16,530 acre-feet of which is seepage, resulting in a higher capture efficiency of 83%. The greater efficiency of seepage capture by the drains is due to their proximity to the TSF and the high conductivity material of the finger drains. The efficiency of the finger drains decreases to 71% during post-closure but still capture 17,027 acre-feet of seepage over the 400-year post closure period.

9.3.1.1 Seepage collection wells

The seven seepage collection wells pump an average of 14 gpm of water during the life-of-mine. An average of 6 gpm of the water pumped is pure seepage, Figure 9-10. There is a slight delay from the beginning of operations until seepage is captured by the wells because the first pulse of water pumped is natural groundwater.

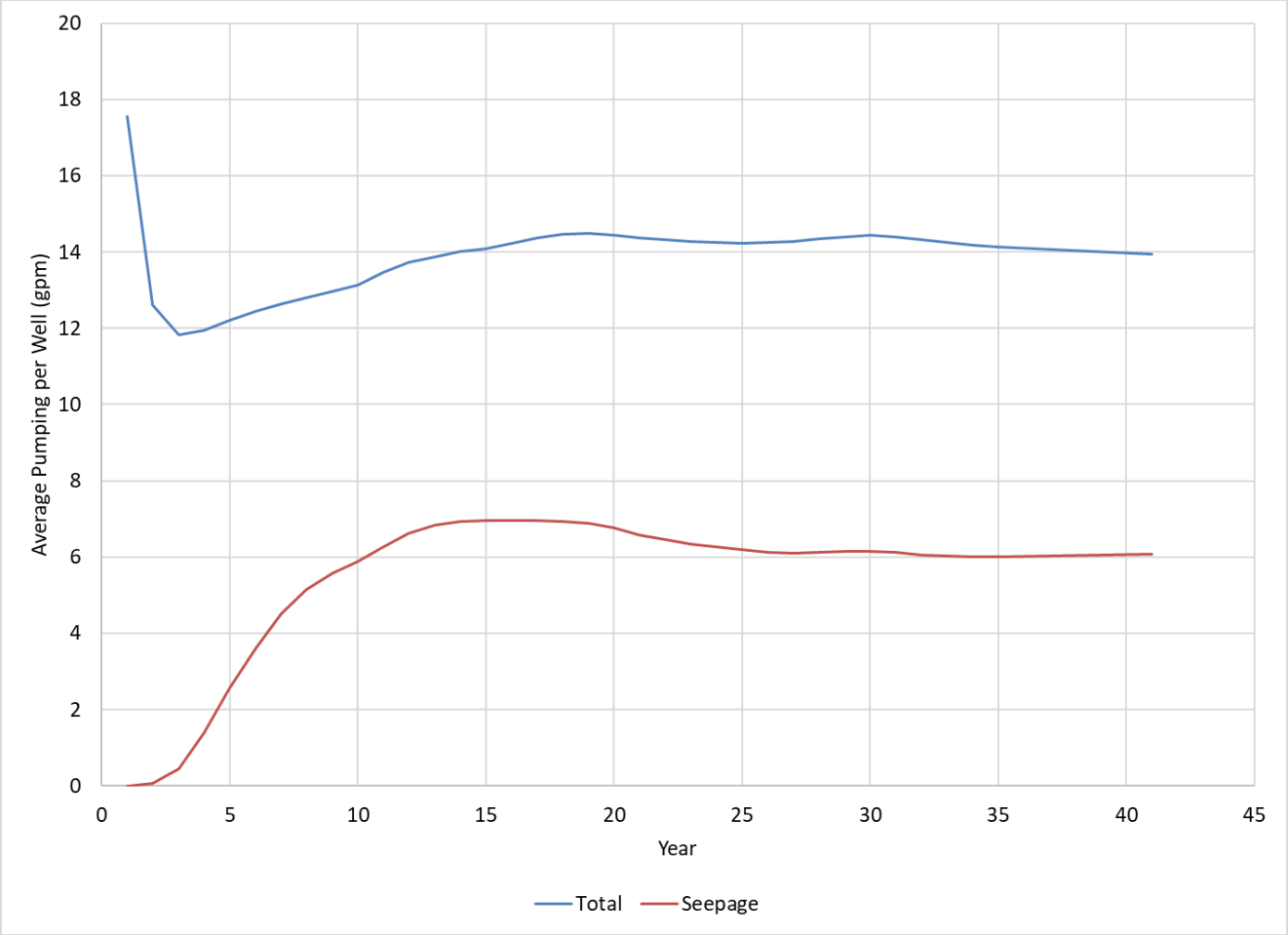

Figure 9-10. Average Capture by Wells

9.3.1.2 Finger Drains

Seepage capture rates of finger drains increase quickly at the beginning of operations until approximately year 20. Capture rates then decrease throughout the remainder of operations, Figure 9-11. Shortly following closure, seepage collection rates increase in response to the seepage collection wells being shut off. At approximately year 50, drain capture resumes its decline. Although capture rates are lower during post-closure, the finger drains operate for over 200 years post closure as the TSF drains down. In total they capture approximately 20% of all seepage.

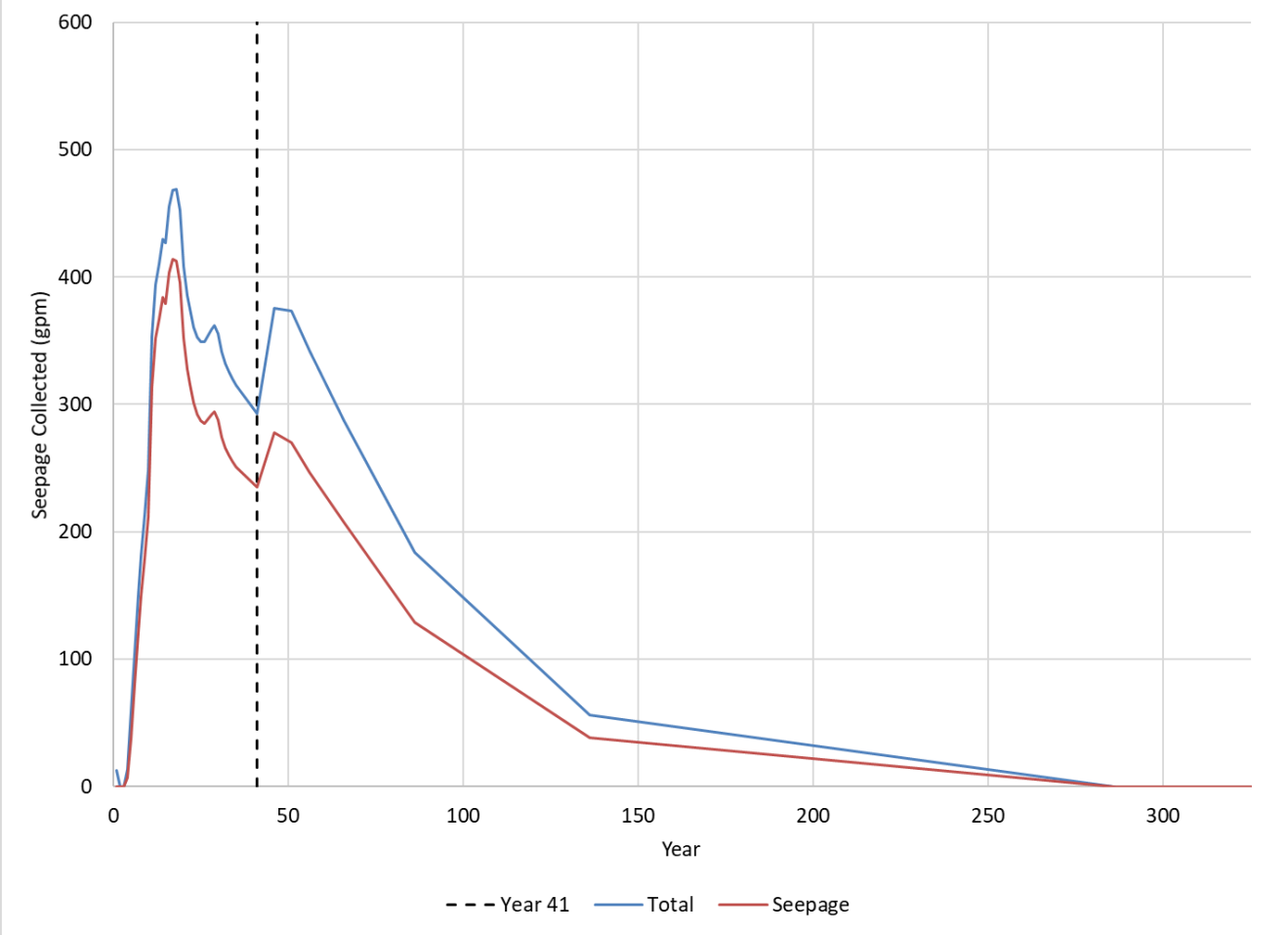

Figure 9-11. Average Capture by Finger Drains

9.4 Scenario 2 Change in Water Table

Development of the TSF results in changes to the water table surrounding the TSF footprint. Figure 9-12 shows the difference between the pre-TSF water table and the water table at the end of operations in Scenario 2. Positive values reflect increases in water table elevation, while negative values reflect decreases. At the end of operations, the head inside the pyrite cells is several hundred feet higher than the head in the surrounding embankments and scavenger beach tailings. This confirms that the low-permeability layers of the pyrite cells have allowed them to fill and stay fully saturated while limiting leakage into the foundation. The water table below the scavenger beach tailings and embankments increase during operations. Two small areas of scavenger beach tailings at the edges of the TSF show particularly pronounced changes in head. The location to the west is located on or near the Mountain Block that has a low conductivity. The mounding to the east is caused by low conductivity Gila conglomerate and rugged topography. Slight mounding occurs outside the TSF except downstream in the Qal and Dripping Spring fault. The decrease in the water table near the main embankment and Qal can be attributed to the wells and finger drains.

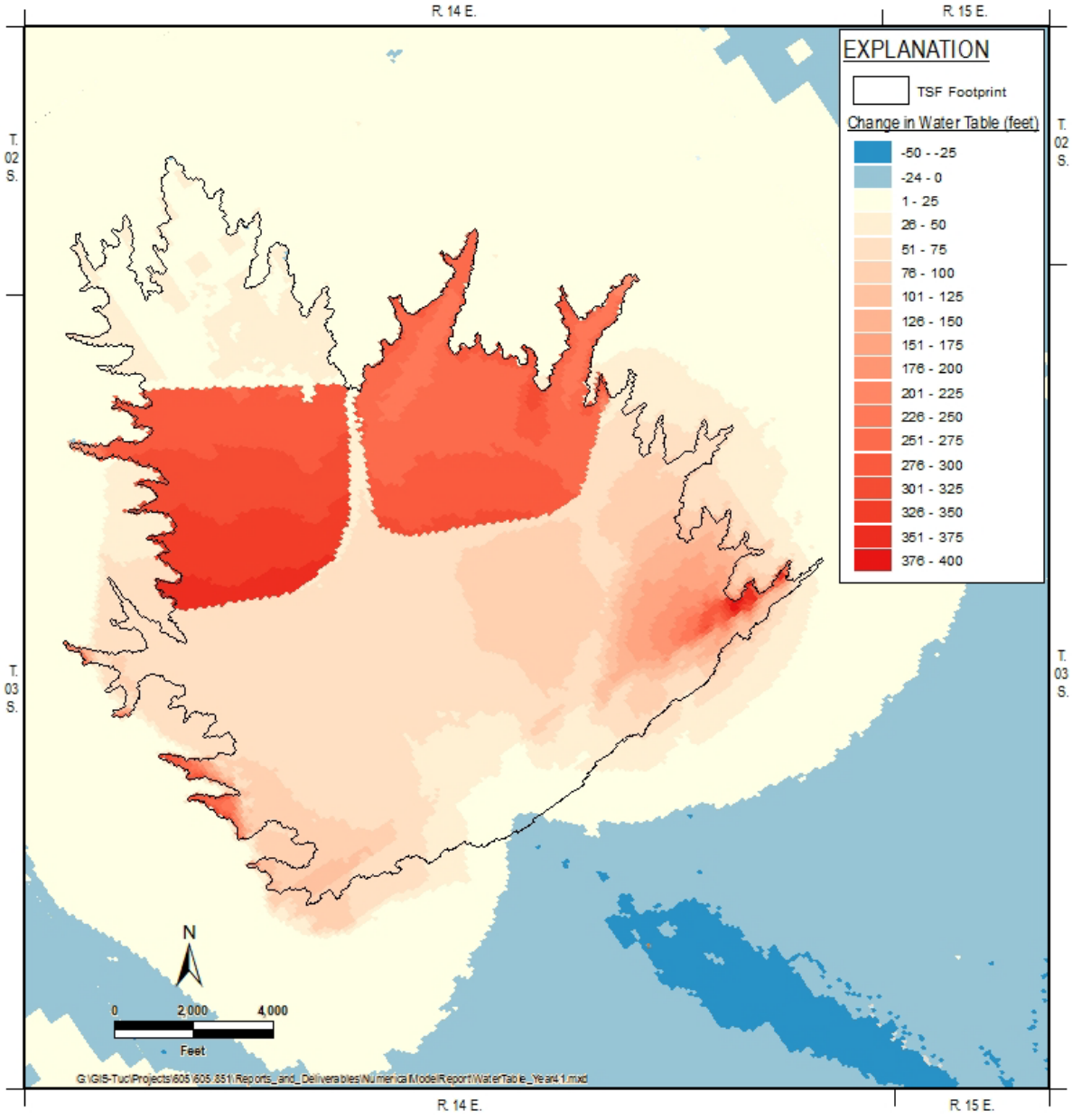

Figure 9-12. Change in Water Table from Pre-TSF Conditions at Year 41

9.5 Selenium Source Concentration

To demonstrate the validity of using a unit concentration to represent a generalized non-specific constituent concentration the model was run with seepage control measures using a source concentration of selenium (Figure 9-13). The selenium source concentration was based on yearly values of the process circuit during operations (Enchemica, 2018) and sulfide oxidation values (Rio Tinto, 2018) during post-closure. The groundwater standard for selenium is 0.05 mg/L which is represented by the 0.44 allowable unit concentration. Figure 9-14 shows very little difference between the concentrations for the two simulations.

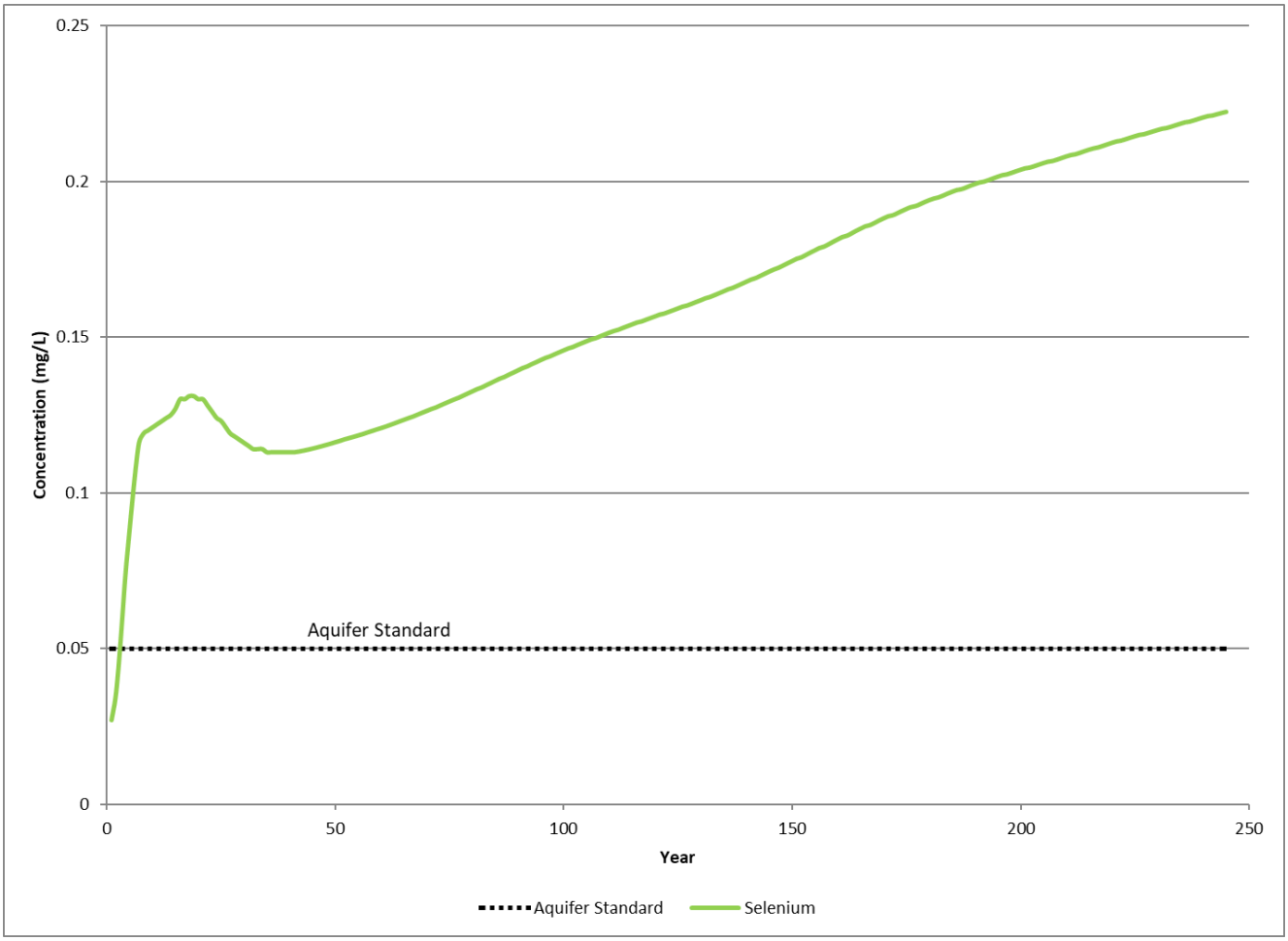

Figure 9-13. Selenium Source Concentration

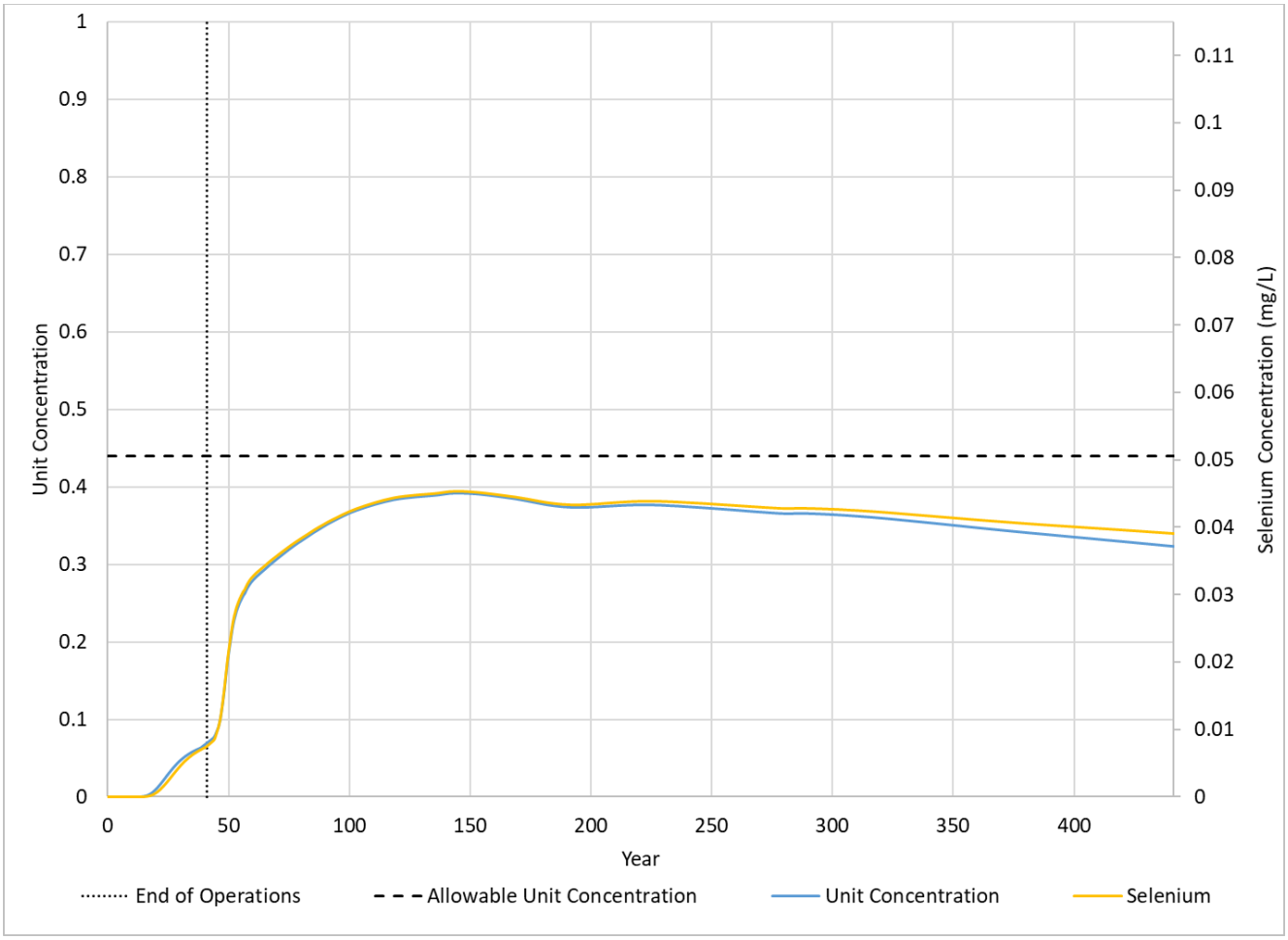

Figure 9-14. Unit Concentration and Selenium Concentration at POC

10 SUMMARY AND CONCLUSIONS

A numerical groundwater flow and transport model was developed to evaluate the impact of seepage from the proposed Skunk Camp TSF. The effectiveness of TSF controls to manage and capture seepage was also evaluated.

The model represents subsurface hydrogeology of the site using four main hydrogeological units: Qal, Tcg (East and West), Mountain Block (East and West) and the Dripping Spring Fault. The model was calibrated to known water-levels while honoring measured hydraulic properties and steady-state flow conditions. Expansion of the TSF is fully represented above land surface over time. Full buildout allowed the explicit representation of the hydrologic response of tailings, ponded pyrite cells with low-permeability layers, and seepage control measures. Predictive simulations were completed based on the dynamic expansion of the TSF to assess seepage impacts.

The results from the predictive simulations indicate:

- Scenario 1 represents TSF buildout with minimal seepage controls (only low permeability liners and high density thickened / thin lift deposition). In Scenario1, concentrations exceed the AWQS for about 100 years after closure of the TSF. However, beyond this duration, groundwater quality standards are not exceeded at the POC. SWQS are exceeded in the aquifer above the Gila River approximately 250-300 years post closure. However, this is a conservative estimate since seepage is not diluted by mixing with Gila River flows.

- Implementation of additional designed seepage control measures including finger drains, shallow alluvial collection wells, and a grout curtain are represented in Scenario 2. With the addition of these controls AWQS are met at the POC and SWQS are met in the aquifer above the Gila River. Concentrations were presented above the confluence with the Gila River as a conservative measure because mixing of seepage water with the Gila River would further dilute any seepage entering the river.

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12 ACRONYMS & ABBREVIATIONS

A.A.C. .....Arizona Administrative Code
ADEQ .....Arizona Department of Environmental Quality
AF/yr .....acre-feet per year
APP .....aquifer protection permit
ATS .....USG-Transport adaptive time step package
AWQS.....aquifer water quality standards
b.....mountain block
BCT.....USG-Transport block-centered transport package
cm/sec .....centimeters per second
CHD .....USG-Transport time-variant specified-head package
CLN.....USG-Transport connected linear network package
DEIS.....Draft Environmental Impact Statement
DEM.....digital elevation model
DRN .....USG-Transport drain package
EPA .....U.S. Environmental Protection Agency
EPM .....equivalent porous medium
ETS .....USG-Transport evapotranspiration segments package
ft amsl.....feet above mean sea level
ft bls .....feet below land surface
ft/d.....feet per day
GET.....groundwater evapotranspiration
gpm .....gallons per minute
HFB.....USG-Transport horizontal flow barrier package
HGU .....hydrostratigraphic unit
JAXA .....Japan Aerospace Exploration Agency
K.....hydraulic conductivity
K_h .....horizontal hydraulic conductivity
K_h/K_V .....vertical hydraulic conductivity anisotropy
KCBCL .....KCB Consultants Ltd
M&A .....Montgomery & Associates
MAE.....mean absolute error
ME.....mean error
mg/L .....milligrams per liter
NEPA .....National Environmental Policy Act
NMR .....neutron magnetic resonance
P .....peclet number
PCB .....USG-Transport prescribed concentration boundary package
PCGU.....USG-Transport pre-conditioned conjugate gradient solver

POC.....point of compliance
PRISM.....Parameter-elevation Regressions on Independent Slopes Model
Qal.....Quaternary alluvium
Q3D.....USG-Transport quasi-3D confining bed package
r^2.....coefficient of determination
RC .....Resolution Copper
RCH .....USG-Transport recharge package
RMSE.....root mean squared error
SMS.....USG-Transport solver package
Tcg .....Tertiary Conglomerate
TDS .....total dissolved solids
TIB .....USG-Transport transient IBOUND package
TSF.....tailings storage facility
TVD .....Third-order Total-Variation-Diminishing Method
USG.....unstructured grid
WEL.....USG-Transport well package
ºF .....degrees Fahrenheit

13 APPENDIX A: Tailings Buildout

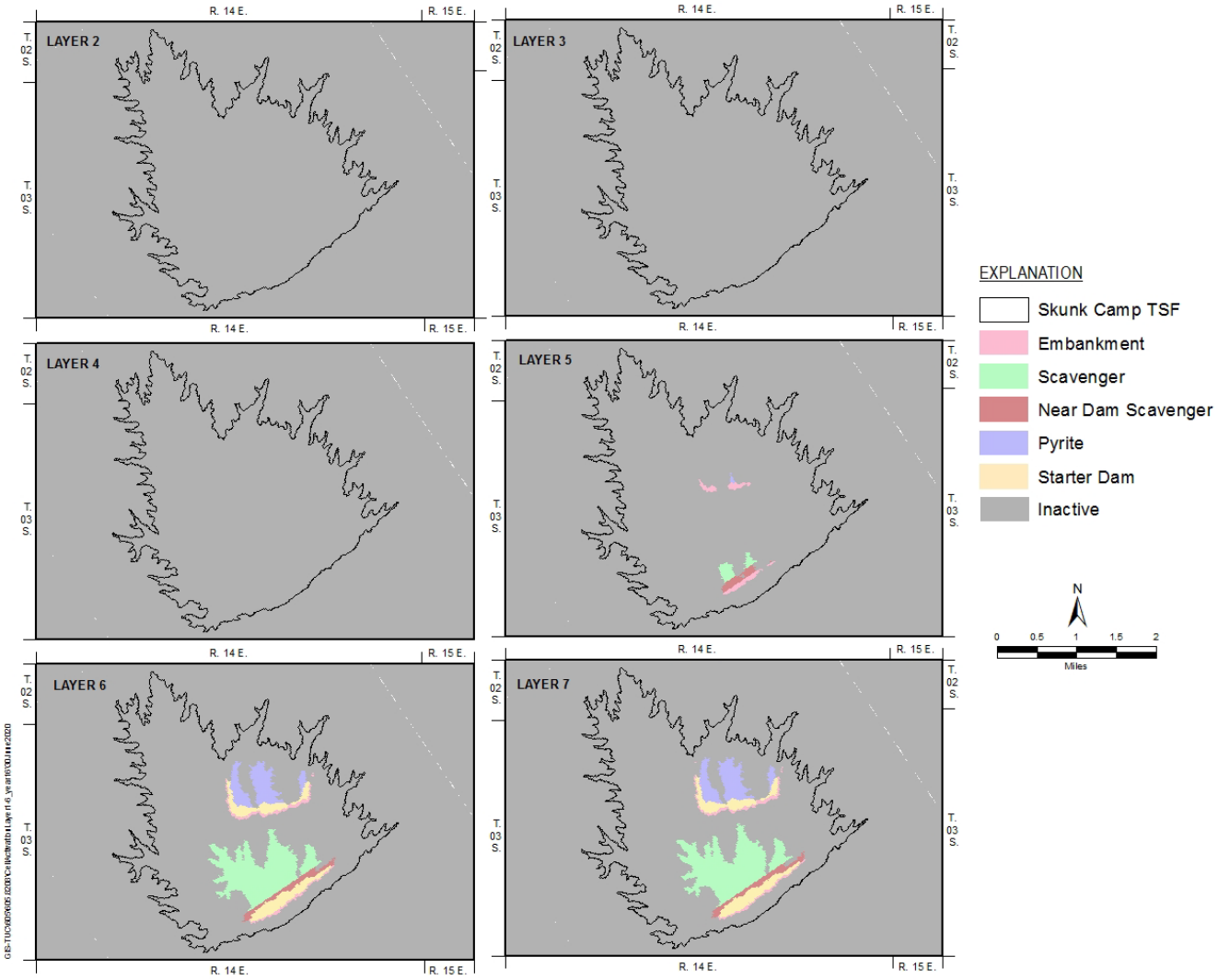

Figure 13-1. TSF Buildout Year 5

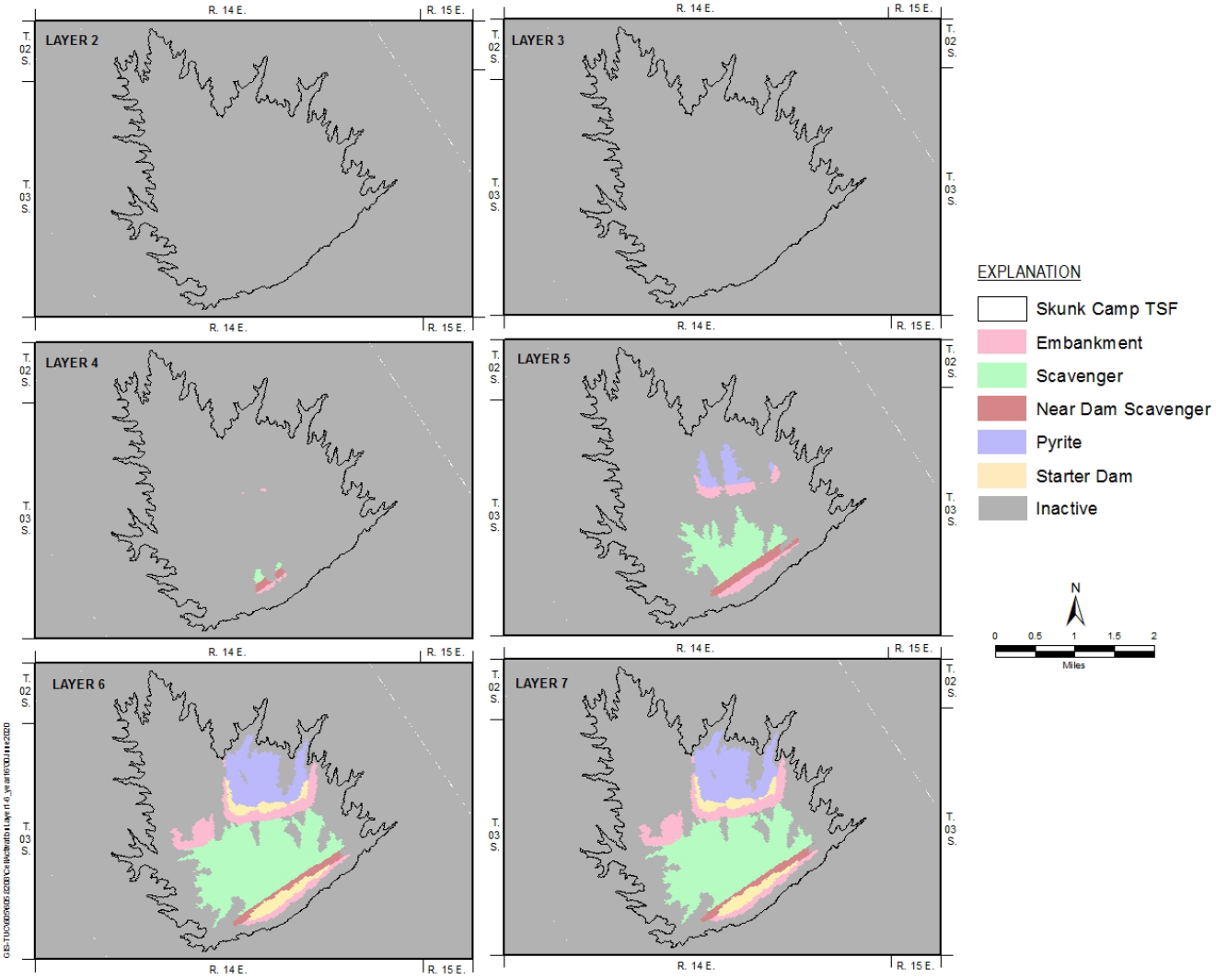

Figure 13-2. TSF Buildout Year 10

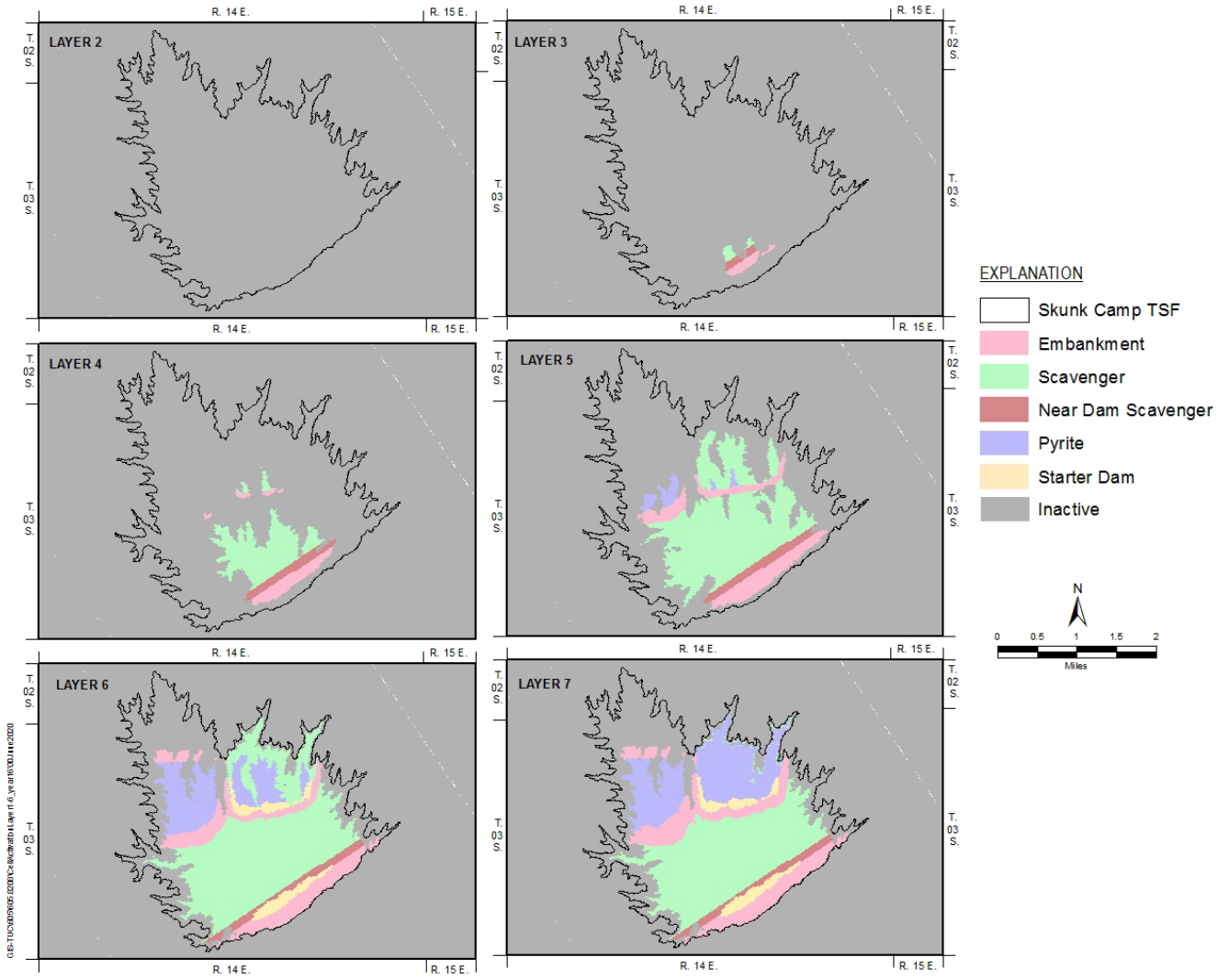

Figure 13-3. TSF Buildout Year 20

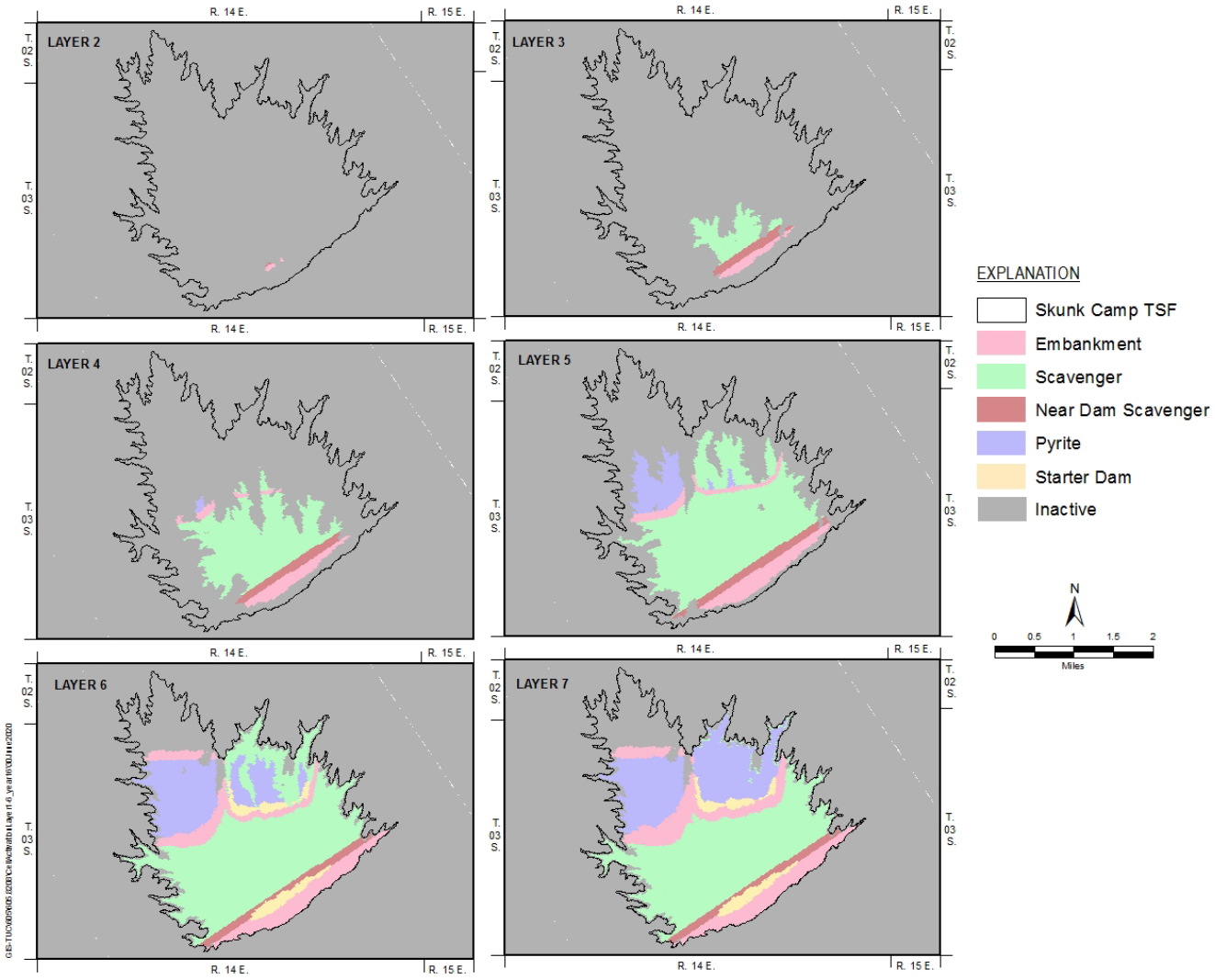

Figure 13-4. TSF Buildout Year 25

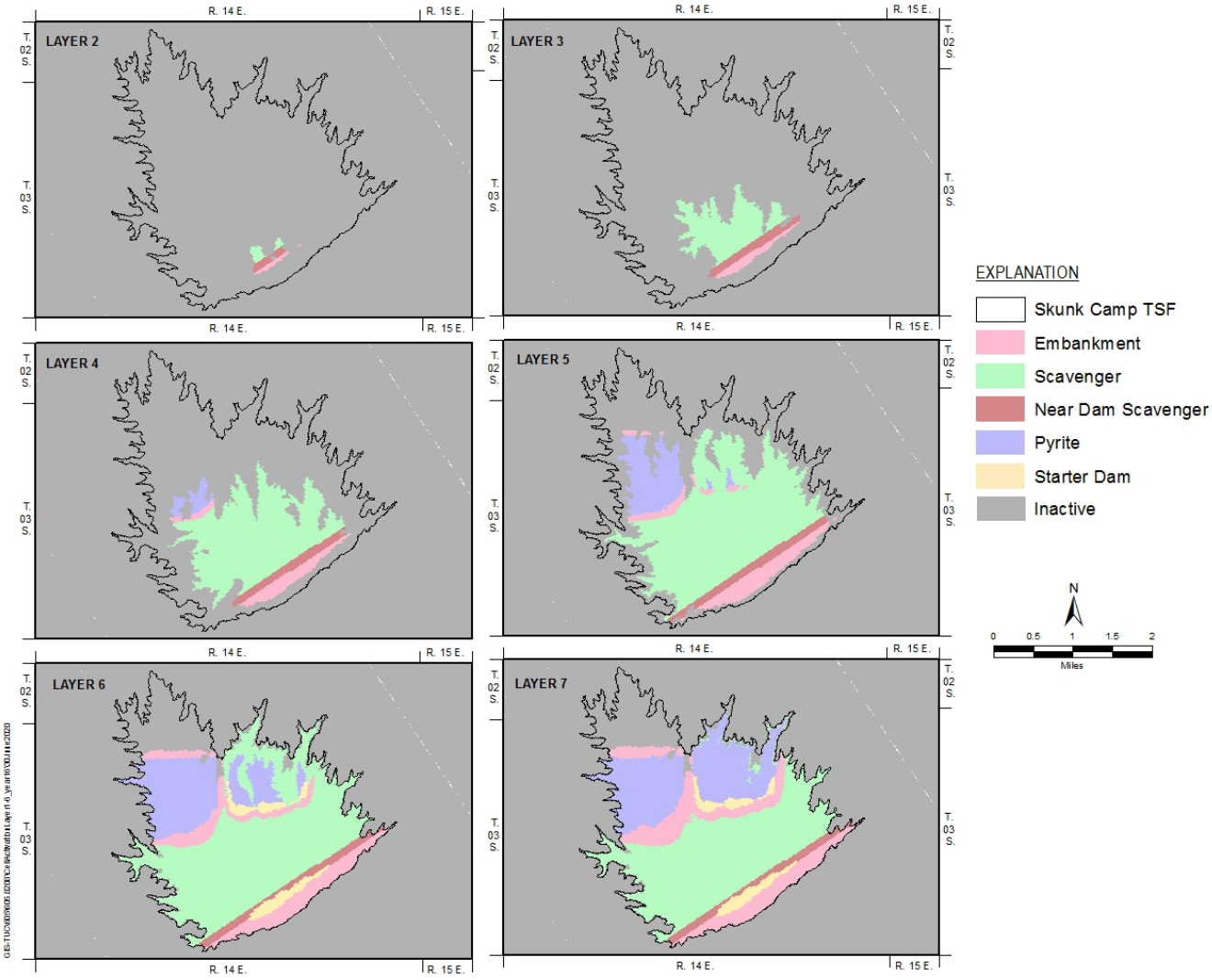

Figure 13-5. TSF Buildout Year 30

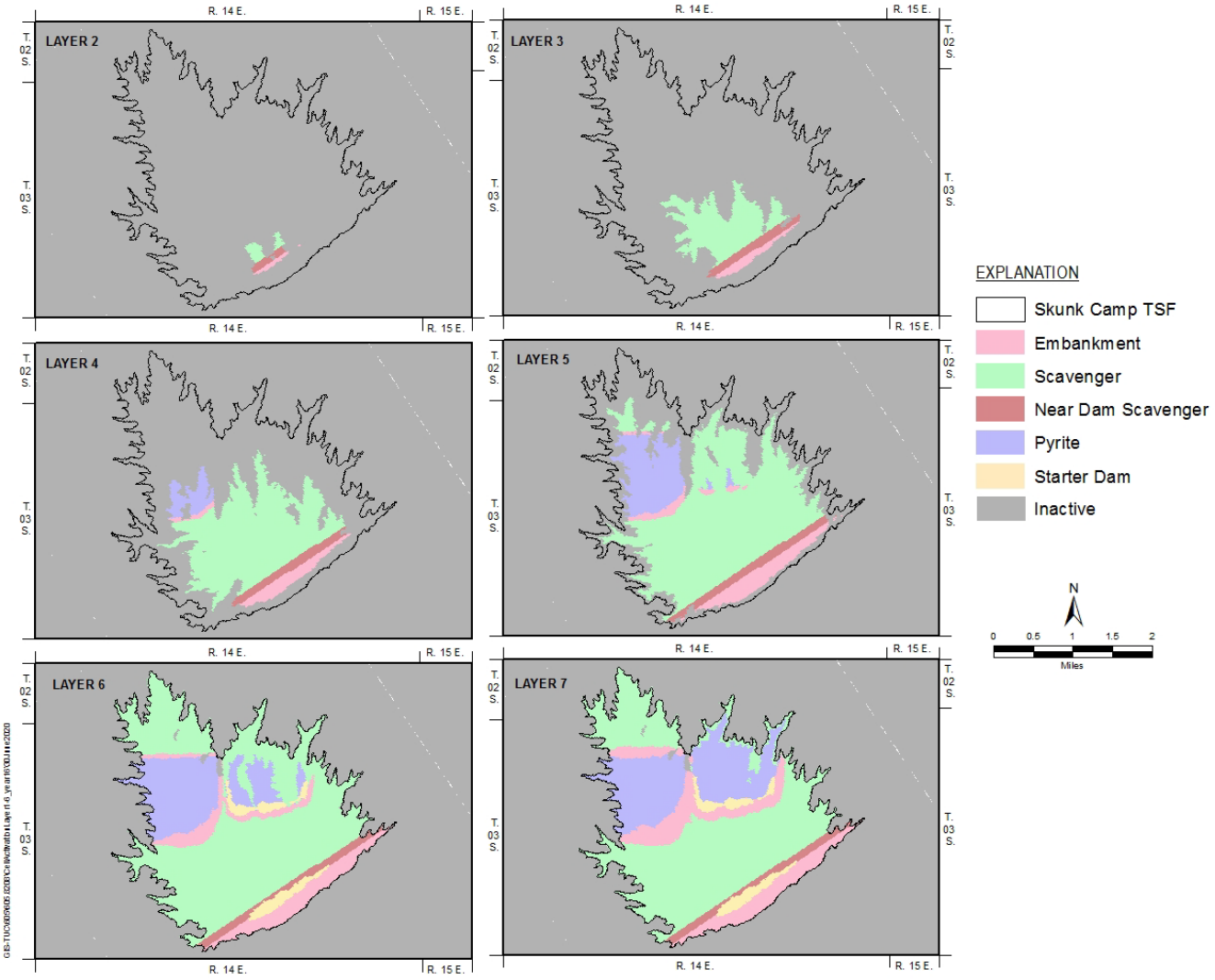

Figure 13-6. TSF Buildout Year 35

14 APPENDIX B: Concentration Tables

This is a separate attachment to this report.

Parameter	Standard (mg/L)	Average Background (mg/L)	Average Source (mg/L)
TDS[1]	500	316	1470
Sulfate[1]	250	20.6	869.5
Selenium	0.05	0.0005	0.1121
Cadmium	0.005	0.000063	0.005458
Thallium	0.002	0.00008	0.00209
Fluoride	4	0.249	2.807
Antimony	0.006	0.00023	0.00396
Nickel	0.1	0.0025	0.066
Nitrate as N	10	2.728	3.029
Chromium	0.1	0.003	0.03
Lead	0.05	0.00032	0.00092
Barium	2	0.0233	0.0181
Arsenic	0.05	0.00073	0.0001

1 secondary drinking water standards established by EPA

Name	Standard (mg/L)	Average Background (mg/L)	Average Source (mg/L)
TDS[1]	500	597	1470
Copper	0.009	0.00752	0.19437
Selenium	0.002	0.0007	0.1121
Zinc	0.117	0.013	1.226
Sulfate[1]	250	133.1	869.5
Cadmium	0.0022	0.000061	0.005458
Nickel	0.052	0.0045	0.066
Lead	0.0025	0.00097	0.00092
Chromium	0.0741	0.002	0.03
Nitrate as N	10	0.311	3.029
Antimony	0.03	0.00027	0.00396
Fluoride	140	0.976	2.807
Thallium	0.15	0.00008	0.00209
Silver	4.667	0.000061	0.026899
Manganese	130.667	0.0846	0.6332
Iron	1	0.042	0.002
Boron	186.667	0.199	0.291
Arsenic	0.15	0.00634	0.0001

1 secondary drinking water standards established by EPA

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0.000136986	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.000228311	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.000365297	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.000570776	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.000878995	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.001341324	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.002034817	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.003075057	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.004635416	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.006975956	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.010486766	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.015752979	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.023652298	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.035501283	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.05327475	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.07993496	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.11992527	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.17991073	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.2398962	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.3298744	6.89E-38	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.4648417	5.74E-22	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.66729265	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
0.9709691	1.44E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1	1.60E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.0027397	1.62E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.0045662	1.63E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.0073059	1.65E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.0114155	1.67E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.0175799	1.71E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.0268265	1.77E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.0406963	1.86E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.0615011	2.00E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.0927083	2.24E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.1395191	2.66E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.2097353	3.45E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.3150595	5.11E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.4730461	9.19E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
1.7100257	2.12E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2	4.63E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.0273972	4.89E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.0547945	5.17E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.0958905	5.61E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.1575344	6.32E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.25	7.52E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.3886986	9.77E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.5967467	1.51E-12	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.9088185	3.08E-12	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3	3.64E-12	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.0273972	3.82E-12	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.0684931	4.11E-12	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.130137	4.58E-12	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
3.2226028	5.38E-12	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.3613014	6.81E-12	316	20.60000001	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.5693493	9.61E-12	316	20.60000001	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.8814213	1.52E-11	316	20.60000001	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4	1.76E-11	316	20.60000002	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.027397	1.82E-11	316	20.60000002	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.0547943	1.88E-11	316	20.60000002	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.0958905	1.97E-11	316	20.60000002	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.157534	2.12E-11	316	20.60000002	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.25	2.35E-11	316	20.60000002	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.3886986	2.72E-11	316	20.60000002	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.5967464	3.32E-11	316	20.60000003	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.9088187	3.24E-11	316	20.60000003	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5	3.35E-11	316	20.60000003	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.027397	3.39E-11	316	20.60000003	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.0547943	3.44E-11	316	20.60000003	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.0958905	3.54E-11	316	20.60000003	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.157534	3.72E-11	316	20.60000003	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.25	4.04E-11	316	20.60000004	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.3886986	4.53E-11	316	20.60000004	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.5967464	4.26E-11	316	20.60000004	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.9088187	1.18E-10	316	20.6000001	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
6	1.80E-10	316	20.60000016	0.0005	6.3E-05	8E-05	0.249000001	0.00023	0.0025	2.728000001	0.003	0.00032	0.0233	0.00073
6.027397	2.00E-10	316	20.60000017	0.0005	6.3E-05	8E-05	0.249000001	0.00023	0.0025	2.728000001	0.003	0.00032	0.0233	0.00073
6.0547943	2.22E-10	316	20.60000019	0.0005	6.3E-05	8E-05	0.249000001	0.00023	0.0025	2.728000001	0.003	0.00032	0.0233	0.00073
6.0958905	2.59E-10	316	20.60000023	0.0005	6.3E-05	8E-05	0.249000001	0.00023	0.0025	2.728000001	0.003	0.00032	0.0233	0.00073
6.157534	3.26E-10	316	20.60000028	0.0005	6.3E-05	8E-05	0.249000001	0.00023	0.0025	2.728000001	0.003	0.00032	0.0233	0.00073
6.25	4.58E-10	316	20.6000004	0.0005	6.3E-05	8E-05	0.249000001	0.00023	0.0025	2.728000001	0.003	0.00032	0.0233	0.00073
6.3886986	7.56E-10	316	20.60000066	0.0005	6.3E-05	8E-05	0.249000002	0.00023	0.0025	2.728000002	0.003	0.00032	0.0233	0.00073
6.5967464	1.58E-09	316	20.60000137	0.0005	6.3E-05	8E-05	0.249000004	0.00023	0.0025	2.728000005	0.003	0.00032	0.0233	0.00073
6.9088187	4.64E-09	316	20.60000403	0.000500001	6.3E-05	8E-05	0.249000013	0.00023	0.0025	2.728000014	0.003	0.00032	0.0233	0.00073
7	5.85E-09	316	20.60000509	0.000500001	6.3E-05	8E-05	0.249000016	0.00023	0.0025	2.728000018	0.003	0.00032	0.0233	0.00073
7.027397	6.24E-09	316	20.60000542	0.000500001	6.3E-05	8E-05	0.249000018	0.00023	0.0025	2.728000019	0.003	0.00032	0.0233	0.00073
7.0547943	6.65E-09	316	20.60000578	0.000500001	6.3E-05	8E-05	0.249000019	0.00023	0.0025	2.72800002	0.003	0.00032	0.0233	0.00073
7.0958905	7.32E-09	316	20.60000636	0.000500001	6.3E-05	8E-05	0.249000021	0.00023	0.0025	2.728000022	0.003	0.00032	0.0233	0.00073
7.157534	8.47E-09	316	20.60000737	0.000500001	6.3E-05	8E-05	0.249000024	0.00023	0.002500001	2.728000026	0.003	0.00032	0.0233	0.00073
7.25	1.06E-08	316	20.60000921	0.000500001	6.30001E-05	8E-05	0.24900003	0.00023	0.002500001	2.728000032	0.003	0.00032	0.0233	0.00073
7.3886986	1.50E-08	316	20.60001301	0.000500002	6.30001E-05	8E-05	0.249000042	0.00023	0.002500001	2.728000045	0.003	0.00032	0.0233	0.00073
7.5967464	2.56E-08	316	20.60002226	0.000500003	6.30001E-05	8.00001E-05	0.249000072	0.00023	0.002500002	2.728000078	0.003000001	0.00032	0.0233	0.00073
7.9088187	5.96E-08	316.0001	20.60005184	0.000500007	6.30003E-05	8.00001E-05	0.249000167	0.00023	0.002500004	2.728000181	0.003000002	0.00032	0.023300001	0.00073
8	7.18E-08	316.0001	20.60006244	0.000500008	6.30004E-05	8.00002E-05	0.249000202	0.00023	0.002500005	2.728000218	0.003000002	0.00032	0.023300001	0.00073
8.027397	7.57E-08	316.0001	20.60006578	0.000500008	6.30004E-05	8.00002E-05	0.249000212	0.00023	0.002500005	2.728000229	0.003000002	0.00032	0.023300001	0.00073
8.054794	7.97E-08	316.0001	20.6000693	0.000500009	6.30004E-05	8.00002E-05	0.249000224	0.00023	0.002500005	2.728000241	0.003000002	0.00032	0.023300001	0.00073
8.09589	8.62E-08	316.0001	20.60007497	0.00050001	6.30005E-05	8.00002E-05	0.249000242	0.00023	0.002500006	2.728000261	0.003000003	0.00032	0.023300002	0.00073
8.157535	9.72E-08	316.0001	20.60008449	0.000500011	6.30005E-05	8.00002E-05	0.249000273	0.00023	0.002500006	2.728000294	0.003000003	0.00032	0.023300002	0.00073
8.25	1.17E-07	316.0002	20.60010146	0.000500013	6.30006E-05	8.00002E-05	0.249000328	0.00023	0.002500008	2.728000353	0.003000004	0.00032	0.023300002	0.00073
8.388699	1.55E-07	316.0002	20.60013456	0.000500017	6.30008E-05	8.00003E-05	0.249000434	0.000230001	0.00250001	2.728000469	0.003000005	0.00032	0.023300003	0.00073
8.596746	2.40E-07	316.0004	20.60020897	0.000500027	6.30013E-05	8.00005E-05	0.249000675	0.000230001	0.002500016	2.728000728	0.003000007	0.00032	0.023300004	0.00073
8.908818	4.81E-07	316.0007	20.60041815	0.000500054	6.30026E-05	8.0001E-05	0.24900135	0.000230002	0.002500032	2.728001457	0.003000014	0.00032	0.023300009	0.00073
9	5.63E-07	316.0008	20.60048981	0.000500063	6.30031E-05	8.00012E-05	0.249001581	0.000230002	0.002500037	2.728001706	0.003000017	0.00032	0.02330001	0.00073
9.027397	5.89E-07	316.0009	20.60051226	0.000500066	6.30032E-05	8.00012E-05	0.249001654	0.000230002	0.002500039	2.728001785	0.003000018	0.00032	0.023300011	0.00073

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
9.045662	6.07E-07	316.0009	20.60052766	0.000500068	6.30033E-05	8.00013E-05	0.249001703	0.000230002	0.00250004	2.728001838	0.003000018	0.00032	0.023300011	0.00073
9.07306	6.35E-07	316.0009	20.60055173	0.000500071	6.30035E-05	8.00013E-05	0.249001781	0.000230003	0.002500042	2.728001922	0.003000019	0.00032	0.023300011	0.00073
9.114156	6.79E-07	316.001	20.60059021	0.000500076	6.30037E-05	8.00014E-05	0.249001905	0.000230003	0.002500045	2.728002056	0.00300002	0.00032	0.023300012	0.00073
9.175799	7.52E-07	316.0011	20.60065376	0.000500084	6.30041E-05	8.00016E-05	0.249002111	0.000230003	0.00250005	2.728002277	0.003000023	0.00032	0.023300014	0.00073
9.268265	8.79E-07	316.0013	20.60076409	0.000500099	6.30048E-05	8.00018E-05	0.249002467	0.000230003	0.002500058	2.728002662	0.003000026	0.00032	0.023300016	0.00073
9.406963	1.12E-06	316.0016	20.60097087	0.000500125	6.30061E-05	8.00023E-05	0.249003134	0.000230004	0.002500074	2.728003382	0.003000033	0.00032	0.02330002	0.00073
9.615011	1.62E-06	316.0024	20.60140658	0.000500181	6.30088E-05	8.00034E-05	0.249004541	0.000230006	0.002500107	2.7280049	0.003000049	0.00032	0.023300029	0.00073
9.927084	2.88E-06	316.0042	20.60250751	0.000500323	6.30157E-05	8.0006E-05	0.249008095	0.000230011	0.00250019	2.728008735	0.003000087	0.00032	0.023300052	0.00073
10	3.21E-06	316.0047	20.602793	0.00050036	6.30175E-05	8.00067E-05	0.249009017	0.000230013	0.002500212	2.72800973	0.003000096	0.00032	0.023300058	0.00073
10.027397	3.34E-06	316.0049	20.60290423	0.000500374	6.30182E-05	8.0007E-05	0.249009376	0.000230013	0.00250022	2.728010117	0.0030001	0.00032	0.02330006	0.00073
10.045662	3.43E-06	316.005	20.60298019	0.000500384	6.30187E-05	8.00072E-05	0.249009621	0.000230014	0.002500226	2.728010382	0.003000103	0.00032	0.023300062	0.00073
10.07306	3.56E-06	316.0052	20.60309831	0.000500399	6.30194E-05	8.00074E-05	0.249010002	0.000230014	0.002500235	2.728010793	0.003000107	0.00032	0.023300064	0.00073
10.114156	3.78E-06	316.0056	20.60328542	0.000500424	6.30206E-05	8.00079E-05	0.249010606	0.000230015	0.002500249	2.728011445	0.003000113	0.00032	0.023300068	0.00073
10.175799	4.13E-06	316.0061	20.60359026	0.000500463	6.30225E-05	8.00086E-05	0.24901159	0.000230016	0.002500273	2.728012507	0.003000124	0.00032	0.023300075	0.00073
10.268265	4.73E-06	316.0069	20.60410852	0.00050053	6.30258E-05	8.00099E-05	0.249013264	0.000230019	0.002500312	2.728014312	0.003000142	0.00032	0.023300086	0.00073
10.406963	5.81E-06	316.0085	20.60504813	0.000500651	6.30317E-05	8.00121E-05	0.249016297	0.000230023	0.002500383	2.728017586	0.003000174	0.00032	0.023300105	0.000730001
10.615011	7.96E-06	316.0117	20.60692499	0.000500893	6.30435E-05	8.00166E-05	0.249022356	0.000230032	0.002500526	2.728024124	0.003000239	0.00032	0.023300144	0.000730001
10.927084	1.30E-05	316.0191	20.61126894	0.000501453	6.30707E-05	8.00271E-05	0.249036379	0.000230051	0.002500855	2.728039257	0.003000389	0.00032	0.023300235	0.000730001
11	1.42E-05	316.0209	20.61237645	0.000501596	6.30777E-05	8.00297E-05	0.249039955	0.000230056	0.002500939	2.728043115	0.003000427	0.00032	0.023300258	0.000730001
11.027397	1.47E-05	316.0216	20.61280566	0.000501651	6.30804E-05	8.00308E-05	0.24904134	0.000230058	0.002500972	2.72804461	0.003000442	0.00032	0.023300267	0.000730001
11.068493	1.55E-05	316.0228	20.61348018	0.000501738	6.30846E-05	8.00324E-05	0.249043518	0.000230061	0.002501023	2.72804696	0.003000465	0.00032	0.023300281	0.000730002
11.130137	1.68E-05	316.0246	20.61456583	0.000501878	6.30914E-05	8.0035E-05	0.249047023	0.000230066	0.002501106	2.728050742	0.003000503	0.00032	0.023300303	0.000730002
11.222603	1.88E-05	316.0277	20.61637763	0.000502111	6.31028E-05	8.00394E-05	0.249052872	0.000230075	0.002501243	2.728057053	0.003000565	0.00032	0.023300341	0.000730002
11.361301	2.25E-05	316.0331	20.6195702	0.000502523	6.31228E-05	8.0047E-05	0.249063178	0.000230089	0.002501485	2.728068175	0.003000675	0.00032	0.023300407	0.000730002
11.569349	2.95E-05	316.0434	20.62566791	0.000503309	6.31611E-05	8.00617E-05	0.249082864	0.000230117	0.002501948	2.728089417	0.003000886	0.00032	0.023300534	0.000730003
11.881421	4.46E-05	316.0656	20.63877678	0.000504999	6.32434E-05	8.00932E-05	0.249125183	0.000230177	0.002502943	2.728135083	0.003001338	0.00032	0.023300807	0.000730004
12	5.11E-05	316.0751	20.64440136	0.000505724	6.32787E-05	8.01067E-05	0.249143341	0.000230202	0.00250337	2.728154677	0.003001532	0.00032	0.023300924	0.000730005
12.027397	5.26E-05	316.0773	20.64573551	0.000505896	6.32871E-05	8.01099E-05	0.249147648	0.000230208	0.002503472	2.728159325	0.003001578	0.00032	0.023300952	0.000730005
12.068493	5.50E-05	316.0808	20.64781747	0.000506165	6.33002E-05	8.01149E-05	0.249154369	0.000230218	0.00250363	2.728166577	0.00300165	0.0003201	0.023300995	0.000730005
12.130137	5.88E-05	316.0864	20.65113196	0.000506592	6.3321E-05	8.01229E-05	0.249165069	0.000230233	0.002503881	2.728178124	0.003001764	0.0003201	0.023301064	0.000730006
12.222603	6.51E-05	316.0956	20.65657095	0.000507293	6.33551E-05	8.0136E-05	0.249182628	0.000230258	0.002504294	2.728197071	0.003001952	0.0003201	0.023301178	0.000730007
12.361301	7.58E-05	316.1114	20.66590787	0.000508497	6.34137E-05	8.01584E-05	0.24921277	0.0002303	0.002505003	2.728229597	0.003002274	0.0003201	0.023301372	0.000730008
12.569349	9.55E-05	316.1404	20.68302844	0.000510704	6.35212E-05	8.01996E-05	0.24926804	0.000230378	0.002506302	2.728289239	0.003002865	0.0003201	0.023301728	0.00073001
12.881421	0.000135179	316.1987	20.71753813	0.000515154	6.37378E-05	8.02825E-05	0.249379447	0.000230535	0.002508922	2.728409457	0.003004055	0.0003201	0.023302447	0.000730014
13	0.000151876	316.2233	20.73205657	0.000517025	6.38289E-05	8.03174E-05	0.249426317	0.000230601	0.002510024	2.728460034	0.003004556	0.0003201	0.023302749	0.000730015
13.027397	0.000155821	316.2291	20.73548649	0.000517468	6.38505E-05	8.03257E-05	0.24943739	0.000230617	0.002510284	2.728471982	0.003004675	0.0003201	0.02330282	0.000730016
13.068493	0.000161938	316.238	20.74080505	0.000518153	6.38839E-05	8.03385E-05	0.24945456	0.000230641	0.002510688	2.72849051	0.003004858	0.0003201	0.023302931	0.000730016
13.130137	0.000171582	316.2522	20.74919084	0.000519234	6.39365E-05	8.03586E-05	0.249481632	0.000230679	0.002511324	2.728519723	0.003005147	0.0003202	0.023303106	0.000730017
13.222603	0.000187176	316.2751	20.76274928	0.000520982	6.40216E-05	8.03912E-05	0.249525402	0.000230741	0.002512354	2.728566955	0.003005615	0.0003202	0.023303388	0.000730019
13.361301	0.000213341	316.3136	20.78550028	0.000523916	6.41644E-05	8.04459E-05	0.249598849	0.000230845	0.002514081	2.728646211	0.0030064	0.0003202	0.023303861	0.000730021
13.569349	0.000259665	316.3817	20.82577886	0.000529108	6.44173E-05	8.05427E-05	0.24972888	0.000231028	0.002517138	2.728786526	0.00300779	0.0003202	0.0233047	0.000730026
13.881421	0.00034813	316.5118	20.90269879	0.000539025	6.49001E-05	8.07276E-05	0.2499772	0.000231379	0.002522977	2.729054485	0.003010444	0.0003203	0.023306301	0.000730035
14	0.000384719	316.5655	20.93451334	0.000543127	6.50998E-05	8.08041E-05	0.250079907	0.000231523	0.002525391	2.729165314	0.003011542	0.0003204	0.023306963	0.000730038
14.027397	0.000393333	316.5782	20.94200274	0.000544093	6.51468E-05	8.08221E-05	0.250104085	0.000231558	0.00252596	2.729191405	0.0030118	0.0003204	0.023307119	0.000730039
14.045662	0.000399146	316.5867	20.94705734	0.000544744	6.51785E-05	8.08342E-05	0.250120402	0.000231581	0.002526344	2.729209013	0.003011974	0.0003204	0.023307225	0.00073004
14.073059	0.000408027	316.5998	20.95477945	0.00054574	6.5227E-05	8.08528E-05	0.250145332	0.000231616	0.00252693	2.729235914	0.003012241	0.0003204	0.023307385	0.000730041
14.114155	0.000421719	316.6199	20.96668504	0.000547275	6.53017E-05	8.08814E-05	0.250183766	0.00023167	0.002527833	2.729277388	0.003012652	0.0003204	0.023307633	0.000730042
14.175798	0.000443123	316.6514	20.98529539	0.000549674	6.54186E-05	8.09261E-05	0.250243846	0.000231755	0.002529246	2.729342219	0.003013294	0.0003204	0.023308021	0.000730044
14.268265	0.000477275	316.7016	21.01499046	0.000553503	6.5605E-05	8.09975E-05	0.25033971	0.00023189	0.0025315	2.729445665	0.003014318	0.0003204	0.023308639	0.000730048
14.406963	0.000533429	316.7841	21.06381629	0.000559797	6.59115E-05	8.11149E-05	0.250497334	0.000232112	0.002535206	2.729615756	0.003016003	0.0003205	0.023309655	0.000730053
14.615011	0.000629802	316.9258	21.14761249	0.000570601	6.64375E-05	8.13163E-05	0.250767853	0.000232494	0.002541567	2.729907669	0.003018894	0.0003206	0.023311399	0.000730063

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
14.927083	0.000805324	317.1838	21.30022927	0.000590277	6.73955E-05	8.16831E-05	0.251260545	0.000233189	0.002553151	2.730439327	0.00302416	0.0003207	0.023314576	0.000730081
15	0.00084815	317.2468	21.33746668	0.000595078	6.76292E-05	8.17726E-05	0.251380758	0.000233359	0.002555978	2.730569047	0.003025445	0.0003208	0.023315352	0.000730085
15.027397	0.00086449	317.2708	21.35167425	0.000596909	6.77184E-05	8.18068E-05	0.251426624	0.000233423	0.002557056	2.730618541	0.003025935	0.0003208	0.023315647	0.000730086
15.054794	0.00088108	317.2952	21.36609885	0.000598769	6.78089E-05	8.18415E-05	0.251473191	0.000233489	0.002558151	2.730668791	0.003026432	0.0003208	0.023315948	0.000730088
15.09589	0.000906534	317.3326	21.38823118	0.000601622	6.79479E-05	8.18947E-05	0.251544641	0.00023359	0.002559831	2.730745891	0.003027196	0.0003208	0.023316408	0.000730091
15.157535	0.000946033	317.3907	21.42257563	0.00060605	6.81634E-05	8.19772E-05	0.251655514	0.000233746	0.002562438	2.730865534	0.003028381	0.0003209	0.023317123	0.000730095
15.25	0.001008366	317.4823	21.47677434	0.000613038	6.85037E-05	8.21075E-05	0.251830484	0.000233993	0.002566552	2.731054341	0.003030251	0.0003209	0.023318251	0.000730101
15.388699	0.001109168	317.6305	21.56442162	0.000624338	6.90538E-05	8.23182E-05	0.252113435	0.000234392	0.002573205	2.73135967	0.003033275	0.000321	0.023320076	0.000730111
15.596746	0.001277876	317.8785	21.71111285	0.00064325	6.99746E-05	8.26708E-05	0.252586997	0.00023506	0.00258434	2.731870685	0.003038336	0.0003212	0.02332313	0.000730128
15.908818	0.001573847	318.3136	21.96846019	0.000676428	7.15901E-05	8.32893E-05	0.253417789	0.000236232	0.002603874	2.732767183	0.003047215	0.0003214	0.023328487	0.000730157
16	0.001664227	318.4464	22.04704537	0.00068656	7.20834E-05	8.34782E-05	0.253671485	0.00023659	0.002609839	2.733040944	0.003049927	0.0003215	0.023330123	0.000730166
16.027397	0.001691728	318.4868	22.07095771	0.000689643	7.22335E-05	8.35357E-05	0.253748681	0.000236699	0.002611654	2.733124245	0.003050752	0.0003216	0.02333062	0.000730169
16.068493	0.00173375	318.5486	22.10749561	0.000694353	7.24628E-05	8.36235E-05	0.253866636	0.000236866	0.002614427	2.733251529	0.003052012	0.0003216	0.023331381	0.000730173
16.130136	0.001798546	318.6439	22.163836	0.000701617	7.28165E-05	8.3759E-05	0.254048519	0.000237122	0.002618704	2.733447797	0.003053956	0.0003217	0.023332554	0.00073018
16.222603	0.001899823	318.7927	22.25189576	0.00071297	7.33692E-05	8.39706E-05	0.254332802	0.000237523	0.002625388	2.733754563	0.003056995	0.0003217	0.023334387	0.00073019
16.361301	0.002061249	319.03	22.3922562	0.000731066	7.42503E-05	8.4308E-05	0.254785927	0.000238163	0.002636042	2.734243524	0.003061837	0.0003219	0.023337309	0.000730206
16.56935	0.00232566	319.4187	22.62216164	0.000760707	7.56935E-05	8.48606E-05	0.255528129	0.00023921	0.002653494	2.735044425	0.00306977	0.0003221	0.023342094	0.000730233
16.881422	0.002774697	320.0788	23.01259947	0.000811044	7.81443E-05	8.57991E-05	0.256788576	0.000240988	0.00268313	2.736404559	0.003083241	0.0003226	0.023350222	0.000730277
17	0.002953311	320.3414	23.16790368	0.000831066	7.91192E-05	8.61724E-05	0.257289943	0.000241695	0.002694919	2.736945578	0.003088599	0.0003227	0.023353455	0.000730295
17.027397	0.002995006	320.4027	23.20415735	0.00083574	7.93467E-05	8.62596E-05	0.257406981	0.00024186	0.00269767	2.737071872	0.00308985	0.0003228	0.02335421	0.0007303
17.068493	0.003058474	320.496	23.25934318	0.000842855	7.96932E-05	8.63922E-05	0.257585137	0.000242112	0.002701859	2.737264118	0.003091754	0.0003228	0.023355358	0.000730306
17.130136	0.00315578	320.639	23.34395073	0.000853763	8.02242E-05	8.65956E-05	0.257858275	0.000242497	0.002708281	2.737558858	0.003094673	0.0003229	0.02335712	0.000730316
17.222603	0.003306555	320.8606	23.47504966	0.000870665	8.10472E-05	8.69107E-05	0.2582815	0.000243094	0.002718233	2.738015555	0.003099197	0.000323	0.023359849	0.000730331
17.361301	0.003543758	321.2093	23.68129723	0.000897255	8.23418E-05	8.74065E-05	0.258947328	0.000244033	0.002733888	2.738734042	0.003106313	0.0003233	0.023364142	0.000730354
17.56935	0.003924784	321.7694	24.01259991	0.000939968	8.44215E-05	8.82028E-05	0.260016869	0.000245542	0.002759036	2.739888171	0.003117744	0.0003236	0.023371039	0.000730392
17.881422	0.004553535	322.6937	24.5592987	0.001010451	8.78532E-05	8.95169E-05	0.261781773	0.000248032	0.002800533	2.741792658	0.003136606	0.0003242	0.023382419	0.000730455
18	0.004801119	323.0576	24.77457275	0.001038205	8.92045E-05	9.00343E-05	0.26247674	0.000249012	0.002816874	2.742542589	0.003144034	0.0003244	0.0233869	0.00073048
18.027397	0.004858787	323.1424	24.82471545	0.00104467	8.95193E-05	9.01549E-05	0.262638616	0.000249241	0.00282068	2.742717266	0.003145764	0.0003245	0.023387944	0.000730486
18.068493	0.004946276	323.271	24.90078705	0.001054478	8.99968E-05	9.03377E-05	0.262884197	0.000249587	0.002826454	2.74298227	0.003148388	0.0003246	0.023389528	0.000730495
18.130136	0.005079729	323.4672	25.01682438	0.001069438	9.07252E-05	9.06166E-05	0.263258799	0.000250116	0.002835262	2.743386499	0.003152392	0.0003247	0.023391943	0.000730508
18.222603	0.005284944	323.7689	25.19525888	0.001092442	9.18452E-05	9.10455E-05	0.263834838	0.000250928	0.002848806	2.744008096	0.003158548	0.0003249	0.023395657	0.000730528
18.361301	0.005604132	324.2381	25.47279244	0.001128223	9.35874E-05	9.17126E-05	0.264730797	0.000252192	0.002869873	2.744974915	0.003168124	0.0003252	0.023401435	0.00073056
18.56935	0.006108254	324.9791	25.91112662	0.001184735	9.63388E-05	9.27663E-05	0.266145868	0.000254189	0.002903145	2.746501901	0.003183248	0.0003256	0.023410559	0.000730611
18.881422	0.006919866	326.1722	26.61682345	0.001275717	0.000100769	9.44625E-05	0.268424064	0.000257403	0.002956711	2.748960274	0.003207596	0.0003264	0.02342525	0.000730692
19	0.00723667	326.6379	26.89228437	0.001311231	0.000102498	9.51246E-05	0.269313332	0.000258657	0.00297762	2.749919873	0.0032171	0.0003267	0.023430984	0.000730724
19.027397	0.007310322	326.7462	26.956325	0.001319487	0.0001029	9.52786E-05	0.269520074	0.000258949	0.002982481	2.750142965	0.00321931	0.0003267	0.023432317	0.000730731
19.045662	0.007359611	326.8186	26.99918206	0.001325012	0.000103169	9.53816E-05	0.269658429	0.000259144	0.002985734	2.750292263	0.003220788	0.0003268	0.023433209	0.000730736
19.07306	0.00743396	326.9279	27.06382841	0.001333347	0.000103575	9.5537E-05	0.269867126	0.000259438	0.002990641	2.750517465	0.003223019	0.0003268	0.023434555	0.000730743
19.114155	0.007546403	327.0932	27.16159739	0.001345952	0.000104188	9.5772E-05	0.270182753	0.000259884	0.002998063	2.750858055	0.003226392	0.0003269	0.02343659	0.000730755
19.175798	0.007717152	327.3442	27.31006377	0.001365093	0.00010512	9.61288E-05	0.270662046	0.00026056	0.003009332	2.751375254	0.003231515	0.0003271	0.02343968	0.000730772
19.268265	0.007977964	327.7276	27.53684001	0.00139433	0.000106544	9.66739E-05	0.271394146	0.000261593	0.003026546	2.752165254	0.003239339	0.0003273	0.023444401	0.000730798
19.406963	0.008379522	328.3179	27.88599419	0.001439344	0.000108735	9.75132E-05	0.272521318	0.000263183	0.003053048	2.753381571	0.003251386	0.0003277	0.023451669	0.000730838
19.615011	0.009004301	329.2363	28.42924006	0.001509382	0.000112145	9.8819E-05	0.274275074	0.000265657	0.003094284	2.755274029	0.003270129	0.0003283	0.023462978	0.0007309
19.927082	0.009988703	330.6834	29.28517711	0.001619734	0.000117518	0.000100876	0.277038289	0.000269555	0.003159254	2.758255781	0.003299661	0.0003292	0.023480796	0.000730999
20	0.010221679	331.0259	29.48774968	0.00164585	0.00011879	0.000101363	0.277692252	0.000270478	0.003174631	2.758961465	0.00330665	0.0003294	0.023485012	0.000731022
20.027397	0.010309597	331.1551	29.56419501	0.001655706	0.00011927	0.000101547	0.27793904	0.000270826	0.003180433	2.759227771	0.003309288	0.0003295	0.023486604	0.000731031
20.068493	0.010442263	331.3501	29.67954726	0.001670578	0.000119994	0.000101824	0.278311431	0.000271351	0.003189189	2.759629613	0.003313268	0.0003296	0.023489005	0.000731044
20.130136	0.010643011	331.6452	29.85409803	0.001693082	0.00012109	0.000102244	0.278874932	0.000272146	0.003202439	2.76023768	0.00331929	0.0003298	0.023492638	0.000731064
20.222603	0.010948014	332.0936	30.11929775	0.001727272	0.000122754	0.000102881	0.279731074	0.000273354	0.003222569	2.761161533	0.00332844	0.0003301	0.023498159	0.000731095
20.361301	0.011413914	332.7785	30.52439835	0.0017795	0.000125297	0.000103855	0.281038857	0.000275199	0.003253318	2.762572746	0.003342417	0.0003305	0.023506592	0.000731141
20.56935	0.012130572	333.8319	31.14753275	0.001859837	0.000129209	0.000105353	0.283050517	0.000278037	0.003300618	2.764743504	0.003363917	0.0003312	0.023519563	0.000731213

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
20.881422	0.013241755	335.4654	32.11370584	0.001984401	0.000135273	0.000107675	0.286169606	0.000282437	0.003373956	2.768109275	0.003397253	0.0003322	0.023539676	0.000731324
21	0.013669615	336.0943	32.48572996	0.002032364	0.000137609	0.000108569	0.287370608	0.000284132	0.003402195	2.769405263	0.003410088	0.0003326	0.02354742	0.000731367
21.027397	0.013768814	336.2402	32.5719834	0.002043484	0.00013815	0.000108777	0.28764906	0.000284525	0.003408742	2.769705736	0.003413064	0.0003327	0.023549216	0.000731377
21.068493	0.013918197	336.4597	32.7018721	0.00206023	0.000138966	0.000109089	0.288068378	0.000285116	0.003418601	2.770158218	0.003417546	0.0003328	0.023551919	0.000731392
21.130136	0.014143565	336.791	32.89782954	0.002085494	0.000140196	0.00010956	0.288700986	0.000286009	0.003433475	2.770840858	0.003424307	0.000333	0.023555999	0.000731414
21.222603	0.01448442	337.2921	33.19420355	0.002123704	0.000142056	0.000110272	0.289657768	0.000287358	0.003455972	2.771873309	0.003434533	0.0003333	0.023562168	0.000731448
21.361301	0.015001457	338.0521	33.64376702	0.002181663	0.000144878	0.000111353	0.29110909	0.000289406	0.003490096	2.773439414	0.003450044	0.0003338	0.023571526	0.0007315
21.56935	0.01578917	339.2101	34.32868316	0.002269966	0.000149177	0.000112999	0.2933202	0.000292525	0.003542085	2.775825395	0.003473675	0.0003345	0.023585784	0.000731579
21.881422	0.016993785	340.9809	35.3760963	0.002405003	0.000155752	0.000115517	0.296701555	0.000297295	0.00362159	2.779474176	0.003509814	0.0003356	0.023607588	0.000731699
22	0.017455174	341.6591	35.77727349	0.002456725	0.00015827	0.000116481	0.297996672	0.000299122	0.003652041	2.780871721	0.003523655	0.0003361	0.023615939	0.000731746
22.027397	0.017562	341.8161	35.87015907	0.0024687	0.000158853	0.000116705	0.298296534	0.000299546	0.003659092	2.781195298	0.00352686	0.0003362	0.023617872	0.000731756
22.068493	0.017722586	342.0522	36.00978867	0.002486702	0.00015973	0.00011704	0.298747299	0.000300181	0.003669691	2.781681714	0.003531678	0.0003363	0.023620779	0.000731772
22.130136	0.017964225	342.4074	36.21989387	0.00251379	0.000161049	0.000117545	0.29942558	0.000301138	0.003685639	2.782413638	0.003538927	0.0003365	0.023625152	0.000731796
22.222603	0.018328328	342.9426	36.53648092	0.002554606	0.000163036	0.000118306	0.300447616	0.00030258	0.00370967	2.783516505	0.00354985	0.0003369	0.023631743	0.000731833
22.361301	0.018878007	343.7507	37.01442735	0.002616225	0.000166036	0.000119455	0.301990567	0.000304757	0.003745948	2.785181484	0.00356634	0.0003374	0.023641692	0.000731888
22.56935	0.019709673	344.9732	37.73756048	0.002709454	0.000170575	0.000121193	0.304325051	0.00030805	0.003800838	2.787700599	0.00359129	0.0003381	0.023656745	0.000731971
22.881422	0.020970114	346.8261	38.83351375	0.00285075	0.000177455	0.000123828	0.307863109	0.000313042	0.003884027	2.791518474	0.003629103	0.0003393	0.023679559	0.000732097
23	0.02145133	347.5335	39.25193127	0.002904694	0.000180081	0.000124833	0.309213883	0.000314947	0.003915788	2.792976078	0.00364354	0.0003397	0.023688269	0.000732145
23.027397	0.021562656	347.6971	39.34872973	0.002917174	0.000180689	0.000125066	0.309526376	0.000315388	0.003923135	2.793313286	0.00364688	0.0003398	0.023690284	0.000732156
23.068493	0.021729825	347.9428	39.49408289	0.002935913	0.000181601	0.000125415	0.309995619	0.00031605	0.003934168	2.79381964	0.003651895	0.00034	0.02369331	0.000732173
23.130136	0.021980964	348.312	39.71244789	0.002964066	0.000182972	0.00012594	0.310700565	0.000317045	0.003950744	2.794580339	0.003659429	0.0003402	0.023697855	0.000732198
23.222603	0.022358445	348.8669	40.04066832	0.003006382	0.000185032	0.000126729	0.311760156	0.000318539	0.003975657	2.795723731	0.003670753	0.0003406	0.023704688	0.000732236
23.361301	0.022926064	349.7013	40.53421283	0.003070012	0.00018813	0.000127915	0.313353462	0.000320787	0.00401312	2.797443048	0.003687782	0.0003411	0.023714962	0.000732293
23.56935	0.023779547	350.9559	41.27631598	0.003165687	0.000192789	0.000129699	0.315749188	0.000324167	0.00406945	2.800028247	0.003713386	0.0003419	0.02373041	0.000732378
23.881422	0.025060121	352.8384	42.38977518	0.00330924	0.000199778	0.000132376	0.31934376	0.000329238	0.004153968	2.803907106	0.003751804	0.0003431	0.023753588	0.000732506
24	0.025547054	353.5542	42.81316316	0.003363825	0.000202436	0.000133393	0.32071058	0.000331166	0.004186106	2.805382026	0.003766412	0.0003435	0.023762402	0.000732555
24.027397	0.025659602	353.7196	42.91102406	0.003376441	0.00020305	0.000133629	0.321026503	0.000331612	0.004193534	2.805722935	0.003769788	0.0003436	0.023764439	0.000732566
24.054794	0.025772136	353.885	43.008872	0.003389056	0.000203664	0.000133864	0.321342385	0.000332058	0.004200961	2.806063799	0.003773164	0.0003437	0.023766476	0.000732577
24.09589	0.02594088	354.1331	43.15559532	0.003407973	0.000204585	0.000134216	0.321816051	0.000332726	0.004212098	2.806574926	0.003778226	0.0003439	0.02376953	0.000732594
24.157534	0.026193842	354.5049	43.37554587	0.00343633	0.000205966	0.000134745	0.322526115	0.000333728	0.004228794	2.807341148	0.003785815	0.0003441	0.023774109	0.000732619
24.25	0.026572885	355.0621	43.7051235	0.00347882	0.000208035	0.000135537	0.323590088	0.000335229	0.00425381	2.808489269	0.003797187	0.0003444	0.023780969	0.000732657
24.388699	0.027140222	355.8961	44.19842345	0.003542419	0.000211131	0.000136723	0.325182605	0.000337475	0.004291255	2.810207734	0.003814207	0.000345	0.023791238	0.000732714
24.596746	0.027987564	357.1417	44.93518688	0.003637406	0.000215756	0.000138494	0.327561092	0.000340831	0.004347179	2.812774331	0.003839627	0.0003457	0.023806575	0.000732799
24.90882	0.029247664	358.9941	46.03084377	0.003778663	0.000222634	0.000141128	0.331098193	0.000345821	0.004430346	2.816591174	0.00387743	0.0003469	0.023829383	0.000732925
25	0.029615216	359.5344	46.35043027	0.003819866	0.00022464	0.000141896	0.332129911	0.000347276	0.004454604	2.817704489	0.003888456	0.0003472	0.023836035	0.000732962
25.027397	0.029725594	359.6966	46.44640437	0.003832239	0.000225242	0.000142126	0.332439744	0.000347713	0.004461889	2.818038826	0.003891768	0.0003473	0.023838033	0.000732973
25.068493	0.029890938	359.9397	46.59017036	0.003850774	0.000226145	0.000142472	0.332903862	0.000348368	0.004472802	2.81853965	0.003896728	0.0003475	0.023841026	0.000732989
25.130136	0.030138431	360.3035	46.80536586	0.003878518	0.000227496	0.000142989	0.333598576	0.000349348	0.004489136	2.819289308	0.003904153	0.0003477	0.023845506	0.000733014
25.222603	0.03050844	360.8474	47.12708857	0.003919996	0.000229515	0.000143763	0.334637191	0.000350813	0.004513557	2.820410065	0.003915253	0.0003481	0.023852203	0.000733051
25.361301	0.031060528	361.659	47.6071291	0.003981885	0.000232528	0.000144917	0.336186902	0.000353	0.004549995	2.822082339	0.003931816	0.0003486	0.023862196	0.000733106
25.56935	0.031881504	362.8658	48.32096752	0.004073917	0.000237009	0.000146632	0.338491381	0.000356251	0.004604179	2.824569075	0.003956445	0.0003493	0.023877055	0.000733188
25.881422	0.033095028	364.6497	49.37612706	0.004209953	0.000243633	0.000149169	0.341897744	0.000361056	0.004684272	2.828244841	0.003992851	0.0003504	0.02389902	0.00073331
26	0.033553697	365.3239	49.77493969	0.004261369	0.000246136	0.000150127	0.343185228	0.000362873	0.004714544	2.829634149	0.004006611	0.0003509	0.023907322	0.000733355
26.027397	0.033659596	365.4796	49.86701872	0.004273241	0.000246714	0.000150349	0.343482486	0.000363292	0.004721533	2.829954916	0.004009788	0.000351	0.023909239	0.000733366
26.068493	0.033818096	365.7126	50.0048344	0.004291009	0.000247579	0.00015068	0.343927395	0.00036392	0.004731994	2.830435013	0.004014543	0.0003511	0.023912108	0.000733382
26.130136	0.034054976	366.0608	50.21080159	0.004317563	0.000248872	0.000151175	0.344592318	0.000364858	0.004747628	2.831152522	0.004021649	0.0003513	0.023916395	0.000733405
26.222603	0.034408689	366.5808	50.51835469	0.004357214	0.000250803	0.000151914	0.345585189	0.000366258	0.004770973	2.832223918	0.004032261	0.0003517	0.023922797	0.000733441
26.361301	0.034935139	367.3547	50.97610346	0.004416229	0.000253676	0.000153014	0.347062936	0.000368343	0.004805719	2.833818536	0.004048054	0.0003521	0.023932326	0.000733494
26.56935	0.03571533	368.5015	51.65447978	0.004503689	0.000257934	0.000154645	0.349252932	0.000371433	0.004857212	2.836181736	0.00407146	0.0003529	0.023946447	0.000733572
26.881422	0.036862995	370.1886	52.65237457	0.004632342	0.000264198	0.000157044	0.352474428	0.000375977	0.004932958	2.839658013	0.00410589	0.0003539	0.02396722	0.000733686
27	0.037296019	370.8251	53.02888895	0.004680884	0.000266562	0.000157949	0.353689927	0.000377692	0.004961537	2.840969643	0.004118881	0.0003543	0.023975058	0.00073373

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
27.027397	0.037395924	370.972	53.1157562	0.004692083	0.000267107	0.000158157	0.35397036	0.000378088	0.004968131	2.841272255	0.004121878	0.0003544	0.023976866	0.00073374
27.068493	0.037545368	371.1917	53.24569754	0.004708836	0.000267923	0.00015847	0.354389848	0.00037868	0.004977994	2.84172492	0.004126361	0.0003545	0.023979571	0.000733755
27.130136	0.037768483	371.5197	53.43969611	0.004733847	0.00026914	0.000158936	0.355016132	0.000379563	0.00499272	2.842400735	0.004133054	0.0003547	0.02398361	0.000733777
27.222603	0.038101207	372.0088	53.72899989	0.004771145	0.000270956	0.000159632	0.355950089	0.000380881	0.00501468	2.843408557	0.004143036	0.0003551	0.023989632	0.00073381
27.361301	0.038595393	372.7352	54.15869447	0.004826544	0.000273654	0.000160664	0.357337269	0.000382838	0.005047296	2.844905446	0.004157862	0.0003555	0.023998577	0.00073386
27.56935	0.03932561	373.8086	54.79361772	0.004908401	0.000277639	0.000162191	0.359386987	0.000385729	0.00509549	2.847117272	0.004179768	0.0003562	0.024011794	0.000733933
27.881422	0.040395495	375.3814	55.72388251	0.005028335	0.000283479	0.000164427	0.362390153	0.000389966	0.005166103	2.850357953	0.004211865	0.0003572	0.024031158	0.00073404
28	0.040798422	375.9737	56.07422788	0.005073503	0.000285678	0.000165269	0.36352117	0.000391562	0.005192696	2.85157842	0.004223953	0.0003575	0.024038451	0.00073408
28.027397	0.040891368	376.1103	56.15504443	0.005083922	0.000286185	0.000165463	0.36378207	0.00039193	0.00519883	2.851859953	0.004226741	0.0003576	0.024040134	0.000734089
28.068493	0.041030332	376.3146	56.27587406	0.0050995	0.000286944	0.000165753	0.364172143	0.00039248	0.005208002	2.852280877	0.00423091	0.0003577	0.024042649	0.000734103
28.130136	0.041237775	376.6195	56.45624557	0.005122755	0.000288076	0.000166187	0.364754435	0.000393302	0.005221693	2.852909221	0.004237133	0.0003579	0.024046404	0.000734124
28.222603	0.041546661	377.0736	56.72482209	0.005157381	0.000289762	0.000166833	0.365621479	0.000394525	0.00524208	2.853844837	0.0042464	0.0003582	0.024051995	0.000734155
28.361301	0.042004883	377.7472	57.12324602	0.005208747	0.000292263	0.00016779	0.366907707	0.000396339	0.005272322	2.855232791	0.004260146	0.0003586	0.024060288	0.0007342
28.56935	0.042680793	378.7408	57.71094909	0.005284517	0.000295952	0.000169203	0.368804985	0.000399016	0.005316932	2.857280121	0.004280424	0.0003593	0.024072522	0.000734268
28.881422	0.043668907	380.1933	58.57011475	0.005395284	0.000301345	0.000171268	0.371578622	0.000402929	0.005382148	2.86027312	0.004310067	0.0003602	0.024090407	0.000734367
29	0.044040699	380.7398	58.8933874	0.005436962	0.000303374	0.000172045	0.372622241	0.000404401	0.005406686	2.861399276	0.004321221	0.0003605	0.024097137	0.000734404
29.027397	0.044126444	380.8659	58.96794268	0.005446574	0.000303842	0.000172224	0.372862927	0.000404741	0.005412345	2.861658998	0.004323793	0.0003606	0.024098689	0.000734413
29.054794	0.044211991	380.9916	59.04232629	0.005456164	0.000304309	0.000172403	0.373103059	0.000405079	0.005417991	2.861918121	0.00432636	0.0003607	0.024100237	0.000734421
29.09589	0.044339847	381.1796	59.15349681	0.005470497	0.000305007	0.00017267	0.37346195	0.000405586	0.00542643	2.862305396	0.004330195	0.0003608	0.024102551	0.000734434
29.157534	0.04453063	381.46	59.31938288	0.005491884	0.000306048	0.000173069	0.373997479	0.000406341	0.005439022	2.862883279	0.004335919	0.000361	0.024106004	0.000734453
29.25	0.044814527	381.8774	59.56623126	0.005523708	0.000307598	0.000173662	0.374794377	0.000407466	0.005457759	2.863743202	0.004344436	0.0003612	0.024111143	0.000734481
29.388699	0.045235217	382.4958	59.93202085	0.005570868	0.000309894	0.000174542	0.375975253	0.000409131	0.005485524	2.865017471	0.004357056	0.0003616	0.024118757	0.000734524
29.596746	0.04585471	383.4064	60.47067038	0.005640313	0.000313275	0.000175836	0.377714171	0.000411585	0.005526411	2.866893917	0.004375641	0.0003622	0.02412997	0.000734585
29.90882	0.046757635	384.7337	61.2557634	0.005741531	0.000318203	0.000177723	0.380248681	0.00041516	0.005586004	2.869628876	0.004402729	0.000363	0.024146313	0.000734676
30	0.047019299	385.1184	61.48328058	0.005770863	0.000319631	0.00017827	0.380983173	0.000416196	0.005603274	2.870421457	0.004410579	0.0003633	0.024151049	0.000734702
30.000013	0.04701934	385.1184	61.48331622	0.005770868	0.000319632	0.00017827	0.380983288	0.000416197	0.005603276	2.870421581	0.00441058	0.0003633	0.02415105	0.000734702
30.000025	0.047019366	385.1185	61.48333889	0.005770871	0.000319632	0.00017827	0.380983361	0.000416197	0.005603278	2.87042166	0.004410581	0.0003633	0.024151051	0.000734702
30.000038	0.047019403	385.1185	61.48337128	0.005770875	0.000319632	0.000178271	0.380983465	0.000416197	0.005603281	2.870421773	0.004410582	0.0003633	0.024151051	0.000734702
30.000055	0.047019463	385.1186	61.48342311	0.005770882	0.000319632	0.000178271	0.380983633	0.000416197	0.005603285	2.870421954	0.004410584	0.0003633	0.024151052	0.000734702
30.000088	0.047019552	385.1187	61.48350085	0.005770892	0.000319633	0.000178271	0.380983884	0.000416197	0.00560329	2.870422224	0.004410587	0.0003633	0.024151054	0.000734702
30.000134	0.047019683	385.1189	61.48361422	0.005770906	0.000319633	0.000178271	0.38098425	0.000416198	0.005603299	2.870422619	0.00441059	0.0003633	0.024151056	0.000734702
30.000204	0.047019884	385.1192	61.48378913	0.005770929	0.000319635	0.000178272	0.380984814	0.000416199	0.005603312	2.870423229	0.004410597	0.0003633	0.02415106	0.000734702
30.000307	0.047020182	385.1197	61.48404826	0.005770962	0.000319636	0.000178272	0.380985651	0.0004162	0.005603332	2.870424131	0.004410605	0.0003633	0.024151065	0.000734702
30.000463	0.047020629	385.1203	61.48443696	0.005771013	0.000319639	0.000178273	0.380986906	0.000416202	0.005603362	2.870425485	0.004410619	0.0003633	0.024151073	0.000734702
30.000698	0.047021303	385.1213	61.48502324	0.005771088	0.000319642	0.000178275	0.380988798	0.000416204	0.005603406	2.870427528	0.004410639	0.0003633	0.024151086	0.000734702
30.001049	0.047022309	385.1228	61.48589781	0.005771201	0.000319648	0.000178277	0.380991622	0.000416208	0.005603472	2.870430574	0.004410669	0.0003633	0.024151104	0.000734702
30.001575	0.047023822	385.125	61.4872129	0.00577137	0.000319656	0.00017828	0.380995867	0.000416214	0.005603572	2.870435156	0.004410715	0.0003633	0.024151131	0.000734702
30.002365	0.04702609	385.1284	61.48918554	0.005771625	0.000319668	0.000178285	0.381002236	0.000416223	0.005603722	2.870442028	0.004410783	0.0003633	0.024151172	0.000734703
30.00355	0.047029488	385.1333	61.49213963	0.005772006	0.000319687	0.000178292	0.381011772	0.000416237	0.005603946	2.870452319	0.004410885	0.0003633	0.024151234	0.000734703
30.005327	0.047034588	385.1408	61.49657401	0.005772577	0.000319715	0.000178302	0.381026088	0.000416257	0.005604283	2.870467766	0.004411038	0.0003633	0.024151326	0.000734703
30.007994	0.047042239	385.1521	61.50322721	0.005773435	0.000319757	0.000178318	0.381047566	0.000416287	0.005604788	2.870490943	0.004411267	0.0003633	0.024151465	0.000734704
30.011992	0.047053706	385.1689	61.51319728	0.00577472	0.000319819	0.000178342	0.381079752	0.000416333	0.005605545	2.870525675	0.004411611	0.0003633	0.024151672	0.000734705
30.01799	0.047070898	385.1942	61.52814591	0.005776648	0.000319913	0.000178378	0.381128011	0.000416401	0.005606679	2.87057775	0.004412127	0.0003633	0.024151983	0.000734707
30.026987	0.047096666	385.2321	61.55055104	0.005779536	0.000320054	0.000178432	0.381200341	0.000416503	0.00560838	2.870655801	0.0044129	0.0003633	0.02415245	0.00073471
30.040485	0.047135264	385.2888	61.58411177	0.005783863	0.000320264	0.000178513	0.381308685	0.000416656	0.005610927	2.870772714	0.004414058	0.0003634	0.024153148	0.000734714
30.060732	0.047193054	385.3738	61.63436055	0.005790341	0.00032058	0.000178633	0.381470903	0.000416884	0.005614742	2.870947761	0.004415792	0.0003634	0.024154194	0.000734719
30.091099	0.047279488	385.5008	61.70951507	0.005800031	0.000321051	0.000178814	0.381713524	0.000417227	0.005620446	2.87120957	0.004418385	0.0003635	0.024155759	0.000734728
30.13665	0.047408585	385.6906	61.82176423	0.005814502	0.000321756	0.000179084	0.382075897	0.000417738	0.005628967	2.871600602	0.004422258	0.0003636	0.024158095	0.000734741
30.204977	0.047600985	385.9734	61.98905609	0.00583607	0.000322806	0.000179486	0.382615964	0.0004185	0.005641665	2.872183382	0.00442803	0.0003638	0.024161578	0.00073476
30.307467	0.047886632	386.3933	62.23742686	0.005868091	0.000324365	0.000180083	0.383417777	0.000419631	0.005660518	2.873048609	0.004436599	0.0003641	0.024166748	0.000734789
30.461205	0.048308905	387.0141	62.60459308	0.005915428	0.00032667	0.000180966	0.384603097	0.000421303	0.005688388	2.874327674	0.004449267	0.0003644	0.024174391	0.000734831

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
30.691807	0.048927844	387.9239	63.14275998	0.005984811	0.000330048	0.000182259	0.386340457	0.000423754	0.005729238	2.876202438	0.004467835	0.000365	0.024185594	0.000734893
31	0.049729444	389.1023	63.83975163	0.006074671	0.000334423	0.000183935	0.38859055	0.000426929	0.005782143	2.878630486	0.004491883	0.0003658	0.024200103	0.000734973
31.027397	0.049800519	389.2068	63.90155118	0.006082638	0.000334811	0.000184083	0.388790057	0.00042721	0.005786834	2.878845772	0.004494016	0.0003658	0.024201389	0.00073498
31.068493	0.049906678	389.3628	63.99385695	0.006094539	0.000335391	0.000184305	0.389088047	0.00042763	0.005793841	2.879167329	0.0044972	0.0003659	0.024203311	0.000734991
31.130136	0.050064884	389.5954	64.13141675	0.006112274	0.000336254	0.000184636	0.38953213	0.000428257	0.005804282	2.879646534	0.004501947	0.0003661	0.024206174	0.000735006
31.222603	0.05029989	389.9408	64.33575465	0.006138618	0.000337537	0.000185127	0.390191792	0.000429188	0.005819793	2.880358368	0.004508997	0.0003663	0.024210428	0.00073503
31.361301	0.050647307	390.4515	64.6378336	0.006177563	0.000339433	0.000185853	0.391166991	0.000430563	0.005842722	2.881410693	0.004519419	0.0003666	0.024216716	0.000735065
31.56935	0.051157199	391.2011	65.0811844	0.006234722	0.000342216	0.000186919	0.392598257	0.000432583	0.005876375	2.882955155	0.004534716	0.0003671	0.024225945	0.000735116
31.881422	0.051897332	392.2891	65.72473024	0.006317691	0.000346256	0.000188465	0.394675811	0.000435513	0.005925224	2.885197019	0.00455692	0.0003677	0.024239342	0.00073519
32	0.052174978	392.6972	65.96614333	0.006348815	0.000347771	0.000189046	0.395455163	0.000436613	0.005943549	2.886038008	0.004565249	0.000368	0.024244367	0.000735217
32.027397	0.052238952	392.7913	66.02176908	0.006355987	0.00034812	0.000189179	0.395634739	0.000436866	0.005947771	2.886231787	0.004567169	0.0003681	0.024245525	0.000735224
32.068493	0.052334495	392.9317	66.10484331	0.006366697	0.000348642	0.000189379	0.395902927	0.000437245	0.005954077	2.886521185	0.004570035	0.0003681	0.024247254	0.000735233
32.13014	0.052476842	393.141	66.22861408	0.006382654	0.000349419	0.000189677	0.396302495	0.000437808	0.005963472	2.886952354	0.004574305	0.0003683	0.024249831	0.000735248
32.222603	0.052688312	393.4518	66.4124871	0.00640636	0.000350573	0.000190119	0.396896091	0.000438646	0.005977429	2.887592896	0.004580649	0.0003685	0.024253658	0.000735269
32.3613	0.053000871	393.9113	66.68425741	0.006441398	0.000352279	0.000190772	0.397773445	0.000439883	0.005998057	2.888539639	0.004590026	0.0003688	0.024259316	0.0007353
32.56935	0.053459603	394.5856	67.0831251	0.006492822	0.000354783	0.000191731	0.399061107	0.0004417	0.006028334	2.889929139	0.004603788	0.0003692	0.024267619	0.000735346
32.88142	0.05412598	395.5652	67.66253921	0.006567522	0.00035842	0.000193123	0.400931625	0.000444339	0.006072315	2.891947592	0.004623779	0.0003698	0.02427968	0.000735413
33	0.05437592	395.9326	67.87986283	0.006595541	0.000359784	0.000193646	0.401633209	0.000445329	0.006088811	2.892704663	0.004631278	0.00037	0.024284204	0.000735438
33.027397	0.054433517	396.0173	67.92994317	0.006601997	0.000360098	0.000193766	0.401794883	0.000445557	0.006092612	2.892879123	0.004633006	0.0003701	0.024285247	0.000735443
33.068493	0.054519549	396.1437	68.00474787	0.006611641	0.000360568	0.000193946	0.402036374	0.000445897	0.00609829	2.893139714	0.004635586	0.0003702	0.024286804	0.000735452
33.13014	0.054647777	396.3322	68.1162423	0.006626016	0.000361268	0.000194214	0.402396311	0.000446405	0.006106753	2.893528117	0.004639433	0.0003703	0.024289125	0.000735465
33.222603	0.054838307	396.6123	68.28190811	0.006647374	0.000362307	0.000194612	0.402931128	0.00044716	0.006119328	2.894105233	0.004645149	0.0003705	0.024292573	0.000735484
33.3613	0.055120036	397.0265	68.52687131	0.006678956	0.000363845	0.000195201	0.403721941	0.000448275	0.006137922	2.894958589	0.004653601	0.0003707	0.024297673	0.000735512
33.56935	0.055533927	397.6349	68.88674947	0.006725353	0.000366104	0.000196066	0.404883733	0.000449914	0.006165239	2.896212265	0.004666018	0.0003711	0.024305164	0.000735553
33.88142	0.056135867	398.5197	69.41013617	0.006792831	0.00036939	0.000197324	0.406573378	0.000452298	0.006204967	2.898035541	0.004684076	0.0003716	0.024316059	0.000735614
34	0.056361739	398.8518	69.60653171	0.006818151	0.000370622	0.000197796	0.4072074	0.000453192	0.006219875	2.898719706	0.004690852	0.0003719	0.024320147	0.000735636
34.027397	0.056413777	398.9283	69.65177925	0.006823984	0.000370906	0.000197905	0.407353473	0.000453399	0.006223309	2.898877331	0.004692413	0.0003719	0.024321089	0.000735641
34.068493	0.05649152	399.0425	69.71937686	0.006832699	0.000371331	0.000198067	0.407571697	0.000453706	0.00622844	2.899112815	0.004694746	0.000372	0.024322497	0.000735649
34.13014	0.056607421	399.2129	69.82015298	0.006845692	0.000371963	0.00019831	0.407897032	0.000454165	0.00623609	2.89946388	0.004698223	0.0003721	0.024324594	0.000735661
34.222603	0.056779694	399.4661	69.96994377	0.006865004	0.000372904	0.00019867	0.408380601	0.000454848	0.00624746	2.899985693	0.004703391	0.0003722	0.024327712	0.000735678
34.3613	0.057034615	399.8409	70.19159811	0.00689358	0.000374295	0.000199202	0.409096166	0.000455857	0.006264285	2.90075785	0.004711038	0.0003725	0.024332327	0.000735703
34.56935	0.057409395	400.3918	70.51746855	0.006935593	0.00037634	0.000199986	0.41014817	0.000457341	0.00628902	2.901893056	0.004722282	0.0003728	0.02433911	0.000735741
34.88142	0.057955254	401.1942	70.99209324	0.006996784	0.00037932	0.000201126	0.411680398	0.000459503	0.006325047	2.903546464	0.004738658	0.0003733	0.02434899	0.000735796
35	0.058160007	401.4952	71.17012609	0.007019737	0.000380437	0.000201554	0.41225514	0.000460314	0.00633856	2.904166661	0.0047448	0.0003735	0.024352696	0.000735816
35.027397	0.058207177	401.5645	71.21114008	0.007025024	0.000380695	0.000201653	0.412387545	0.0004605	0.006341674	2.904309538	0.004746215	0.0003736	0.02435355	0.000735821
35.068493	0.058277655	401.6682	71.27242136	0.007032925	0.000381079	0.0002018	0.412585379	0.00046078	0.006346325	2.904523018	0.00474833	0.0003736	0.024354826	0.000735828
35.13014	0.05838275	401.8226	71.36380074	0.007044706	0.000381653	0.00020202	0.412880378	0.000461196	0.006353261	2.904841348	0.004751482	0.0003737	0.024356728	0.000735838
35.222603	0.058539018	402.0524	71.49967618	0.007062224	0.000382506	0.000202347	0.413319024	0.000461815	0.006363575	2.905314686	0.004756171	0.0003739	0.024359556	0.000735854
35.3613	0.058769859	402.3917	71.70039273	0.007088101	0.000383766	0.000202829	0.413966995	0.000462729	0.006378811	2.906013904	0.004763096	0.0003741	0.024363734	0.000735877
35.56935	0.059110481	402.8924	71.99656348	0.007126285	0.000385625	0.000203541	0.414923121	0.000464078	0.006401292	2.907045648	0.004773314	0.0003744	0.0243699	0.000735911
35.88142	0.059607502	403.623	72.42872305	0.007182001	0.000388338	0.00020458	0.416318258	0.000466046	0.006434095	2.908551124	0.004788225	0.0003748	0.024378896	0.000735961
36.34953	0.060324363	404.6768	73.05203399	0.007262361	0.00039225	0.000206078	0.418330488	0.000468884	0.006481408	2.910722497	0.004809731	0.0003755	0.024391871	0.000736032
36.897476	0.061126422	405.8558	73.74942405	0.007352272	0.000396628	0.000207754	0.420581867	0.000472061	0.006534344	2.913151933	0.004833793	0.0003762	0.024406388	0.000736113
37.44542	0.061892465	406.9819	74.41549811	0.007438145	0.000400809	0.000209355	0.422732149	0.000475094	0.006584903	2.915472276	0.004856774	0.0003769	0.024420254	0.000736189
37.993366	0.062623091	408.0559	75.05077766	0.007520049	0.000404797	0.000210882	0.424783017	0.000477987	0.006633124	2.917685343	0.004878693	0.0003776	0.024433478	0.000736262
38.54131	0.063534103	409.3951	75.84290285	0.007622173	0.000409769	0.000212786	0.427340228	0.000481595	0.006693251	2.920444799	0.004906023	0.0003785	0.024449967	0.000736353
39.089256	0.064907826	411.4145	77.03735513	0.007776167	0.000417267	0.000215657	0.431196269	0.000487035	0.006783917	2.924605806	0.004947235	0.0003797	0.024474832	0.000736491
39.6372	0.066258095	413.3994	78.21141378	0.007927532	0.000424637	0.000218479	0.434986473	0.000492382	0.006873034	2.92869577	0.004987743	0.000381	0.024499272	0.000736626
40.185146	0.067586496	415.3521	79.36645868	0.008076446	0.000431887	0.000221256	0.438715296	0.000497643	0.006960709	2.932719498	0.005027595	0.0003822	0.024523316	0.000736759
40.73309	0.068894394	417.2748	80.50367536	0.008223062	0.000439026	0.000223989	0.442386563	0.000502822	0.00704703	2.936681119	0.005066832	0.0003834	0.024546989	0.000736889
41	0.069526464	418.2039	81.05326023	0.008293917	0.000442475	0.00022531	0.444160784	0.000505325	0.007088747	2.938595659	0.005085794	0.000384	0.024558429	0.000736953

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
41.027397	0.069591284	418.2992	81.10962126	0.008301183	0.000442829	0.000225446	0.444342734	0.000505581	0.007093025	2.938791999	0.005087739	0.000384	0.024559602	0.000736959
41.068493	0.069688432	418.442	81.19409155	0.008312073	0.000443359	0.000225649	0.444615428	0.000505966	0.007099437	2.93908626	0.005090653	0.0003841	0.024561361	0.000736969
41.13014	0.069833644	418.6555	81.32035323	0.008328351	0.000444152	0.000225952	0.445023038	0.000506541	0.00710902	2.939526107	0.005095009	0.0003842	0.024563989	0.000736983
41.222603	0.070050247	418.9739	81.50868978	0.008352633	0.000445334	0.000226405	0.445631043	0.000507399	0.007123316	2.940182198	0.005101507	0.0003844	0.024567909	0.000737005
41.3613	0.070366092	419.4382	81.78331702	0.008388039	0.000447058	0.000227065	0.44651762	0.00050865	0.007144162	2.941138893	0.005110983	0.0003847	0.024573626	0.000737037
41.56935	0.070830129	420.1203	82.18679724	0.008440057	0.000449591	0.000228035	0.447820172	0.000510487	0.007174789	2.942544461	0.005124904	0.0003852	0.024582025	0.000737083
41.88142	0.071532547	421.1528	82.79755003	0.008518799	0.000453425	0.000229503	0.449791861	0.000513269	0.007221148	2.944672086	0.005145976	0.0003858	0.024594739	0.000737153
42.34953	0.072645999	422.7896	83.76569656	0.008643617	0.000459502	0.00023183	0.452917321	0.000517678	0.007294636	2.948044732	0.00517938	0.0003868	0.024614893	0.000737265
43.05169	0.074499838	425.5148	85.37760919	0.008851432	0.00046962	0.000235705	0.458121045	0.000525019	0.007416989	2.953660009	0.005234995	0.0003885	0.024648447	0.00073745
44.104935	0.077743828	430.2834	88.1982587	0.009215083	0.000487326	0.000242485	0.467226926	0.000537866	0.007631093	2.963486056	0.005332315	0.0003915	0.024707163	0.000737774
45.6848	0.089267552	447.2233	98.21813638	0.010506893	0.000550222	0.000266569	0.499574018	0.0005835	0.008391658	2.998391415	0.005678027	0.0004021	0.024915743	0.000738927
46	0.092876799	452.5289	101.3563771	0.010911489	0.000569922	0.000274113	0.509705176	0.000597792	0.008629869	3.009323825	0.005786304	0.0004054	0.02498107	0.000739288
46.27397	0.096470058	457.811	104.4807154	0.011314293	0.000589534	0.000281622	0.519791453	0.000612021	0.008867024	3.020207806	0.005894102	0.0004088	0.025046108	0.000739647
46.684933	0.103084303	467.5339	110.2318018	0.01205575	0.000625634	0.000295446	0.53835764	0.000638214	0.009303564	3.040242355	0.006092529	0.0004148	0.025165826	0.000740308
47.30137	0.115792155	486.2145	121.281279	0.013480301	0.000694994	0.000322006	0.57402858	0.000688537	0.010142282	3.078734438	0.006473765	0.0004265	0.025395838	0.000741579
48.22603	0.137930796	518.7583	140.5308267	0.015962042	0.000815826	0.000368275	0.636171743	0.000776206	0.011603433	3.14579238	0.007137924	0.0004469	0.025796547	0.000743793
49.613014	0.175738946	574.3363	173.4050132	0.020200336	0.001022183	0.000447294	0.74229922	0.000925926	0.01409877	3.260313266	0.008272168	0.0004817	0.026480875	0.000747574
51	0.206174657	619.0767	199.868864	0.023612179	0.001188301	0.000510905	0.827732261	0.001046452	0.016107527	3.352503035	0.00918524	0.0005097	0.027031761	0.000750617
51.27397	0.211817712	627.372	204.7755002	0.024244765	0.001219101	0.000522699	0.843572316	0.001068798	0.016479969	3.369595848	0.009354531	0.0005149	0.027133901	0.000751182
51.684933	0.219410211	638.533	211.3771783	0.025095885	0.001260541	0.000538567	0.864884462	0.001098864	0.016981074	3.392593529	0.009582306	0.0005219	0.027271325	0.000751941
52.30137	0.22887975	652.4532	219.6109424	0.02615742	0.001312226	0.000558359	0.891465458	0.001136364	0.017606063	3.421276762	0.009866392	0.0005306	0.027442723	0.000752888
53.22603	0.239469379	668.02	228.8186252	0.027344517	0.001370024	0.000580491	0.921190547	0.001178299	0.018304979	3.45335275	0.010184081	0.0005403	0.027634396	0.000753947
54.613014	0.250820339	684.7059	238.6882845	0.02861696	0.001431977	0.000604215	0.953052691	0.001223249	0.019054142	3.487734806	0.01052461	0.0005508	0.027839848	0.000755082
56	0.25930962	697.1851	246.0697143	0.029568608	0.001478312	0.000621957	0.976882102	0.001256866	0.019614435	3.513448838	0.010779289	0.0005586	0.027993504	0.000755931
56.684933	0.26254189	701.9366	248.8801735	0.029930946	0.001495954	0.000628713	0.985955086	0.001269666	0.019827765	3.523239385	0.010876257	0.0005615	0.028052008	0.000756254
57.71233	0.269258946	711.8107	254.7206537	0.030683928	0.001532615	0.000642751	1.004809862	0.001296265	0.02027109	3.543585348	0.011077768	0.0005677	0.028173587	0.000756926
59.253426	0.276513338	722.4746	261.0283475	0.031497145	0.00157221	0.000657913	1.02517294	0.001324993	0.02074988	3.565558901	0.0112954	0.0005744	0.028304891	0.000757651
61.565067	0.284120649	733.6574	267.6429044	0.032349925	0.001613731	0.000673812	1.046526662	0.001355118	0.021251963	3.588601446	0.011523619	0.0005814	0.028442584	0.000758412
65.03253	0.293647408	747.6617	275.9264217	0.033417874	0.001665728	0.000693723	1.073268276	0.001392844	0.021880729	3.617458	0.011809422	0.0005902	0.028615018	0.000759365
66	0.296436429	751.7616	278.351475	0.033730524	0.00168095	0.000699552	1.081097056	0.001403888	0.022064804	3.625905944	0.011893093	0.0005927	0.028665499	0.000759644
67.369865	0.300140411	757.2064	281.5720871	0.03414574	0.001701166	0.000707293	1.091494133	0.001418556	0.022309267	3.637125304	0.012004212	0.0005961	0.028732541	0.000760014
69.42466	0.305401832	764.9407	286.1468928	0.034735545	0.001729883	0.00071829	1.106262942	0.001439391	0.022656521	3.653062149	0.012162055	0.000601	0.028827773	0.00076054
72.50685	0.313039839	776.1686	292.7881402	0.035591766	0.001771571	0.000734253	1.127702829	0.001469638	0.023160629	3.676197673	0.012391195	0.000608	0.028966021	0.000761304
77.130135	0.324063748	792.3737	302.373429	0.036827546	0.00183174	0.000757293	1.158646941	0.001513292	0.023888207	3.709589093	0.012721912	0.0006181	0.029165554	0.000762406
84.06507	0.338545591	813.662	314.9653911	0.038450961	0.001910782	0.00078756	1.199297473	0.001570641	0.024844009	3.753454594	0.013156368	0.0006315	0.029427675	0.000763855
86	0.342433959	819.3779	318.3463276	0.038886847	0.001932005	0.000795687	1.210212124	0.001586038	0.025100641	3.765232463	0.013273019	0.000635	0.029498055	0.000764243
92.84931	0.354983866	837.8263	329.2584717	0.040293691	0.002000502	0.000821916	1.245439712	0.001635736	0.025928935	3.803246131	0.013649516	0.0006466	0.029725208	0.000765498
103.12329	0.369755983	859.5413	342.1028275	0.041949646	0.002081128	0.00085279	1.286905045	0.001694234	0.026903895	3.847990874	0.01409268	0.0006602	0.029992583	0.000766976
118.53425	0.383294165	879.4424	353.8742766	0.043467276	0.00215502	0.000881085	1.324906722	0.001747845	0.027797415	3.888998026	0.014498825	0.0006726	0.030237624	0.000768329
136	0.389056444	887.913	358.8845782	0.044113227	0.00218647	0.000893128	1.341081439	0.001770664	0.028177725	3.906451969	0.014671693	0.0006779	0.030341922	0.000768906
142.84932	0.39154163	891.5662	361.0454473	0.044391817	0.002200034	0.000898322	1.348057355	0.001780505	0.028341748	3.913979597	0.014746249	0.0006802	0.030386904	0.000769154
153.12329	0.390497148	890.0308	360.1372702	0.04427473	0.002194333	0.000896139	1.345125495	0.001776369	0.028272812	3.910815861	0.014714914	0.0006793	0.030367998	0.00076905
168.53424	0.384404272	881.0743	354.8395144	0.043591719	0.002161079	0.000883405	1.328022791	0.001752241	0.027870682	3.892360539	0.014532128	0.0006737	0.030257717	0.00076844
191.65068	0.373411924	864.9155	345.2816676	0.042359477	0.002101082	0.000860431	1.29716727	0.001708711	0.027145187	3.859064717	0.014202358	0.0006635	0.030058756	0.000767341
226.32535	0.376427412	869.3483	347.9036348	0.042697513	0.002117541	0.000866733	1.305631746	0.001720653	0.027344209	3.868198631	0.014292822	0.0006663	0.030113336	0.000767643
278.33734	0.36554879	853.3567	338.4446725	0.041478019	0.002058165	0.000843997	1.275095452	0.001677573	0.02662622	3.835247283	0.013966464	0.0006563	0.029916433	0.000766555
286	0.365600228	853.4323	338.4893985	0.041483786	0.002058446	0.000844104	1.275239841	0.001677777	0.026629615	3.835403092	0.013968007	0.0006564	0.029917364	0.00076656
292.8493	0.365045637	852.6171	338.0071813	0.041421616	0.002055419	0.000842945	1.273683103	0.001675581	0.026593012	3.833723234	0.013951369	0.0006558	0.029907326	0.000766505
303.1233	0.363453329	850.2764	336.6226692	0.041243118	0.002046728	0.000839617	1.269213493	0.001669275	0.02648792	3.828900132	0.0139036	0.0006544	0.029878505	0.000766345
318.53424	0.359925061	845.0898	333.5548409	0.040847599	0.002027471	0.000832243	1.259309648	0.001655303	0.026255054	3.818213011	0.013797752	0.0006511	0.029814644	0.000765993
341.6507	0.35295707	834.8469	327.4961723	0.040066488	0.00198944	0.00081768	1.239750495	0.00162771	0.025795167	3.797106965	0.013588712	0.0006447	0.029688523	0.000765296

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
376.32535	0.341939449	818.651	317.9163512	0.038831412	0.001929306	0.000794653	1.208824034	0.00158408	0.025068004	3.763734592	0.013258183	0.0006346	0.029489104	0.000764194
428.33734	0.326893657	796.5337	304.8340351	0.037144779	0.001847186	0.000763208	1.166590496	0.001524499	0.024074981	3.718160888	0.01280681	0.0006207	0.029216775	0.000762689
506.35532	0.303897977	762.73	284.8392909	0.034566963	0.001721675	0.000715147	1.102041621	0.001433436	0.022557266	3.648506972	0.012116939	0.0005996	0.028800553	0.00076039
541	0.295701712	750.6815	277.7126389	0.033648162	0.00167694	0.000698017	1.079034707	0.001400979	0.022016313	3.623680487	0.011871051	0.000592	0.028652201	0.00075957
547.8493	0.29462406	749.0974	276.7756205	0.033527357	0.001671058	0.000695764	1.076009738	0.001396711	0.021945188	3.620416279	0.011838722	0.0005911	0.028632695	0.000759462
558.1233	0.29321897	747.0319	275.5538947	0.033369847	0.001663389	0.000692828	1.07206565	0.001391147	0.021852452	3.616160261	0.011796569	0.0005898	0.028607263	0.000759322
573.53424	0.290764719	743.4241	273.4199234	0.033094725	0.001649994	0.000687698	1.065176567	0.001381428	0.021690471	3.608726335	0.011722942	0.0005875	0.028562841	0.000759076
596.6507	0.28596282	736.3653	269.244672	0.032556432	0.001623785	0.000677662	1.051697636	0.001362413	0.021373546	3.594181382	0.011578885	0.0005831	0.028475927	0.000758596
631.3253	0.277160138	723.4254	261.5907399	0.031569651	0.00157574	0.000659265	1.026988507	0.001327554	0.020792569	3.567518058	0.011314804	0.000575	0.028316598	0.000757716
683.33734	0.264008701	704.0928	250.1555654	0.030095375	0.001503959	0.000631778	0.990072423	0.001275474	0.019924574	3.527682355	0.010920261	0.0005629	0.028078557	0.000756401
761.3553	0.248138279	680.7633	236.3562333	0.028316301	0.001417339	0.000598609	0.945524148	0.001212628	0.018877126	3.479610846	0.010444148	0.0005483	0.027791303	0.000754814
878.38226	0.232784122	658.1927	223.0057943	0.0265951	0.001333536	0.000566519	0.902425031	0.001151825	0.017863752	3.433103106	0.009983524	0.0005342	0.027513393	0.000753278
1041	0.220175371	639.6578	212.0424847	0.025181659	0.001264717	0.000540167	0.867032265	0.001101894	0.017031574	3.394911197	0.009605261	0.0005226	0.027285174	0.000752018

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0.000136986	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.000228311	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.000365297	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.000570776	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.000878995	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.001341324	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.002034817	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.003075057	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.004635416	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.006975956	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.010486766	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.015752979	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.023652298	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.035501283	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.05327475	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.07993496	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.11992527	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.17991073	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.2398962	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.3298744	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.4648417	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.66729265	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
0.9709691	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.0027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.0045662	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.0073059	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.0114155	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.0175799	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.0268265	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.0406963	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.0615011	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.0927083	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.1395191	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.2097353	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.3150595	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.4730461	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
1.7100257	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
2	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
2.0273972	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
2.0547945	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
2.0958905	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
2.1575344	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
2.25	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
2.3886986	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
2.5967467	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
2.9088185	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.0273972	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.0684931	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.130137	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
3.2226028	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.3613014	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.5693493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.8814213	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.0547943	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.0958905	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.157534	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.25	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.3886986	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.5967464	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.9088187	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.0547943	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.0958905	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.157534	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.25	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.3886986	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.5967464	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.9088187	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.0547943	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.0958905	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.157534	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.25	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.3886986	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.5967464	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.9088187	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.0547943	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.0958905	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.157534	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.25	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.3886986	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.5967464	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.9088187	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.054794	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.09589	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.157535	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.25	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.388699	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.596746	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.908818	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
9.045662	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.07306	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.114156	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.175799	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.268265	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.406963	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.615011	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.927084	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.045662	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.07306	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.114156	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.175799	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.268265	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.406963	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.615011	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.927084	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
11	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
11.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
11.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
11.130137	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
11.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
11.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
11.569349	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
11.881421	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
12	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
12.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
12.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
12.130137	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
12.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
12.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
12.569349	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
12.881421	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
13	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
13.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
13.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
13.130137	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
13.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
13.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
13.569349	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
13.881421	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
14	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
14.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
14.045662	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
14.073059	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
14.114155	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
14.175798	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
14.268265	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
14.406963	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
14.615011	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
14.927083	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
15	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
15.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
15.054794	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
15.09589	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
15.157535	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
15.25	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
15.388699	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
15.596746	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
15.908818	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
16	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
16.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
16.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
16.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
16.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
16.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
16.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
16.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
17	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
17.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
17.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
17.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
17.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
17.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
17.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
17.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
18	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
18.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
18.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
18.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
18.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
18.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
18.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
18.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
19	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
19.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
19.045662	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
19.07306	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
19.114155	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
19.175798	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
19.268265	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
19.406963	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
19.615011	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
19.927082	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
20	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
20.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
20.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
20.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
20.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
20.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
20.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
20.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
21	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
21.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
21.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
21.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
21.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
21.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
21.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
21.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
22	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
22.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
22.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
22.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
22.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
22.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
22.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
22.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
23	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
23.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
23.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
23.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
23.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
23.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
23.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
23.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
24	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
24.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
24.054794	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
24.09589	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
24.157534	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
24.25	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
24.388699	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
24.596746	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
24.90882	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
25	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
25.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
25.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
25.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
25.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
25.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
25.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
25.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
26	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
26.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
26.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
26.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
26.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
26.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
26.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
26.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
27	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
27.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
27.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
27.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
27.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
27.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
27.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
27.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
28	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
28.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
28.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
28.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
28.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
28.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
28.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
28.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
29	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
29.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
29.054794	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
29.09589	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
29.157534	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
29.25	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
29.388699	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
29.596746	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
29.90882	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.000013	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.000025	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.000038	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.000055	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.000088	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.000134	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.000204	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.000307	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.000463	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.000698	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.001049	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.001575	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.002365	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.00355	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.005327	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.007994	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.011992	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.01799	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.026987	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.040485	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.060732	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.091099	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.13665	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.204977	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.307467	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
30.461205	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
30.691807	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
31	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
31.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
31.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
31.130136	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
31.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
31.361301	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
31.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
31.881422	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
32	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
32.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
32.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
32.13014	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
32.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
32.3613	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
32.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
32.88142	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
33	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
33.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
33.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
33.13014	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
33.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
33.3613	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
33.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
33.88142	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
34	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
34.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
34.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
34.13014	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
34.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
34.3613	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
34.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
34.88142	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
35	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
35.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
35.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
35.13014	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
35.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
35.3613	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
35.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
35.88142	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
36.34953	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
36.897476	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
37.44542	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
37.993366	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
38.54131	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
39.089256	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
39.6372	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
40.185146	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
40.73309	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
41	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
41.027397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
41.068493	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
41.13014	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
41.222603	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
41.3613	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
41.56935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
41.88142	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
42.34953	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
43.05169	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
44.104935	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
45.6848	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
46	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
46.27397	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
46.684933	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
47.30137	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
48.22603	2.09E-38	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
49.613014	2.09E-37	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
51	1.55E-36	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
51.27397	1.97E-36	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
51.684933	2.58E-36	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
52.30137	4.14E-36	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
53.22603	9.50E-36	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
54.613014	5.65E-35	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
56	3.06E-34	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
56.684933	5.27E-34	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
57.71233	1.26E-33	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
59.253426	8.43E-33	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
61.565067	1.45E-31	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
65.03253	2.27E-26	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
66	6.33E-26	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
67.369865	1.30E-25	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
69.42466	3.05E-25	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
72.50685	1.55E-24	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
77.130135	2.07E-22	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
84.06507	9.16E-20	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
86	1.36E-19	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
92.84931	1.31E-18	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
103.12329	1.98E-16	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
118.53425	5.02E-15	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
136	1.93E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
142.84932	4.06E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
153.12329	3.35E-05	597.0493	0.00752652	0.000703761	0.013041128	133.1291687	6.11831E-05	0.004502214	0.000970031	0.002001006	0.311101612	0.0002701	0.976094165	8.00701E-05
168.53424	1.07E-05	597.0157	0.007522076	0.000701197	0.013013093	133.1092859	6.10583E-05	0.004500705	0.00097001	0.00200032	0.311032348	0.00027	0.976029977	8.00223E-05
191.65068	5.57E-06	597.0082	0.007521083	0.000700624	0.013006828	133.1048428	6.10304E-05	0.004500368	0.000970005	0.002000167	0.311016871	0.00027	0.976015634	8.00116E-05
226.32535	2.34E-06	597.0034	0.007520456	0.000700263	0.013002874	133.102038	6.10128E-05	0.004500155	0.000970002	0.00200007	0.3110071	0.00027	0.976006579	8.00049E-05
278.33734	7.65E-07	597.0011	0.007520149	0.000700086	0.013000938	133.1006651	6.10042E-05	0.00450005	0.000970001	0.002000023	0.311002317	0.00027	0.976002147	8.00016E-05
286	4.84E-07	597.0007	0.007520094	0.000700054	0.013000594	133.1004212	6.10026E-05	0.004500032	0.00097	0.002000015	0.311001467	0.00027	0.97600136	8.0001E-05
292.8493	3.08E-07	597.0005	0.00752006	0.000700035	0.013000378	133.1002678	6.10017E-05	0.00450002	0.00097	0.002000009	0.311000933	0.00027	0.976000865	8.00006E-05
303.1233	2.02E-07	597.0003	0.007520039	0.000700023	0.013000247	133.1001753	6.10011E-05	0.004500013	0.00097	0.002000006	0.311000611	0.00027	0.976000566	8.00004E-05
318.53424	1.25E-07	597.0002	0.007520024	0.000700014	0.013000153	133.1001087	6.10007E-05	0.004500008	0.00097	0.002000004	0.311000379	0.00027	0.976000351	8.00003E-05
341.6507	6.52E-08	597.0001	0.007520013	0.000700007	0.01300008	133.1000567	6.10004E-05	0.004500004	0.00097	0.002000002	0.311000197	0.00027	0.976000183	8.00001E-05

Time (years)	Unit Concentration	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
376.32535	1.56E-07	597.0002	0.00752003	0.000700017	0.013000191	133.1001355	6.10009E-05	0.00450001	0.00097	0.002000005	0.311000472	0.00027	0.976000437	8.00003E-05
428.33734	5.50E-07	597.0008	0.007520107	0.000700062	0.013000674	133.1004783	6.1003E-05	0.004500036	0.000970001	0.002000017	0.311001666	0.00027	0.976001544	8.00011E-05
506.35532	2.80E-06	597.0041	0.007520544	0.000700314	0.013003432	133.1024338	6.10153E-05	0.004500185	0.000970003	0.002000084	0.311008478	0.00027	0.976007857	8.00059E-05
541	3.83E-06	597.0056	0.007520744	0.000700429	0.013004693	133.1033282	6.10209E-05	0.004500253	0.000970004	0.002000115	0.311011594	0.00027	0.976010744	8.0008E-05
547.8493	4.04E-06	597.0059	0.007520784	0.000700452	0.013004947	133.1035088	6.1022E-05	0.004500266	0.000970004	0.002000121	0.311012223	0.00027	0.976011328	8.00084E-05
558.1233	4.46E-06	597.0066	0.007520868	0.0007005	0.013005473	133.1038816	6.10244E-05	0.004500295	0.000970004	0.002000134	0.311013522	0.00027	0.976012531	8.00093E-05
573.53424	0.026718909	636.2768	0.012713354	0.00369519	0.045757382	156.3320913	0.000206832	0.006263448	0.000994581	0.002801567	0.391931575	0.0003758	1.050999977	0.000135843
596.6507	0.008264725	609.1491	0.009126415	0.001626476	0.023132553	140.2861785	0.000106109	0.005045472	0.000977604	0.002247942	0.336033852	0.0003027	0.999199083	9.72733E-05
631.3253	0.003477772	602.1123	0.008195974	0.001089858	0.017263748	136.1239223	7.99817E-05	0.004729533	0.0009732	0.002104333	0.32153417	0.0002838	0.985762105	8.72685E-05
683.33734	0.001134933	598.6684	0.007740597	0.000827226	0.014391428	134.0868246	6.71945E-05	0.004574906	0.000971044	0.002034048	0.314437713	0.0002745	0.979185758	8.2372E-05
761.3553	0.000277055	597.4073	0.007573851	0.000731058	0.013339669	133.3408991	6.25122E-05	0.004518286	0.000970255	0.002008312	0.311839199	0.0002711	0.976777693	8.0579E-05
878.38226	6.24E-05	597.0917	0.007532125	0.000706993	0.013076481	133.1542418	6.13405E-05	0.004504117	0.000970057	0.002001871	0.311188957	0.0002702	0.976175108	8.01304E-05
1041	9.22E-05	597.1356	0.007537929	0.00071034	0.013113087	133.1802031	6.15034E-05	0.004506088	0.000970085	0.002002767	0.311279396	0.0002704	0.976258919	8.01928E-05

Distance (miles)	Unit Concentration Year 41	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0	0.990787029	2053.457	0.200099	0.111767	1.227705	994.5893	0.005469	0.06989194	0.001882	0.03172361	3.31209391	0.004194	3.757139	0.002151
0.018939394	0.981292427	2039.5	0.198254	0.110703	1.216065	986.3338	0.005417	0.0692653	0.001873	0.03143877	3.28333476	0.004156	3.730488	0.002131
0.037878788	0.954349339	1999.894	0.193017	0.107683	1.183032	962.9068	0.00527	0.06748706	0.001848	0.03063048	3.20172415	0.004049	3.654859	0.002075
0.056818182	0.90238291	1923.503	0.182916	0.101857	1.119321	917.7219	0.004986	0.06405727	0.0018	0.02907149	3.04431784	0.003843	3.508989	0.001966
0.075757576	0.856321216	1855.792	0.173963	0.096694	1.06285	877.6713	0.004735	0.0610172	0.001758	0.02768964	2.90479696	0.003661	3.379694	0.00187
0.09469697	0.82306999	1806.913	0.1675	0.092966	1.022084	848.7594	0.004553	0.05882262	0.001727	0.0266921	2.804079	0.003529	3.286357	0.0018
0.113636364	0.774830222	1736	0.158124	0.087558	0.962942	806.8149	0.00429	0.05563879	0.001683	0.02524491	2.65796074	0.003338	3.150948	0.001699
0.132575758	0.747115612	1695.26	0.152737	0.084452	0.928964	782.717	0.004139	0.05380963	0.001657	0.02441347	2.57401319	0.003229	3.073154	0.001641
0.151515152	0.715436399	1648.692	0.146579	0.0809	0.890125	755.1719	0.003966	0.0517188	0.001628	0.02346309	2.47805685	0.003103	2.98423	0.001575
0.170454545	0.691064835	1612.865	0.141842	0.078168	0.860245	733.9809	0.003833	0.05011028	0.001606	0.02273195	2.40423538	0.003007	2.915819	0.001524
0.189393939	0.672315776	1585.304	0.138198	0.076067	0.837259	717.6786	0.00373	0.04887284	0.001589	0.02216947	2.34744449	0.002932	2.86319	0.001485
0.208333333	0.652847528	1556.686	0.134414	0.073884	0.813391	700.7509	0.003624	0.04758794	0.001571	0.02158543	2.28847516	0.002855	2.808543	0.001444
0.227272727	0.633119404	1527.686	0.130579	0.071673	0.789204	683.5973	0.003517	0.04628588	0.001552	0.02099358	2.22871868	0.002777	2.753166	0.001403
0.246212121	0.56847322	1432.656	0.118014	0.064426	0.709948	627.3875	0.003164	0.04201923	0.001493	0.0190542	2.03290538	0.002521	2.571704	0.001268
0.265151515	0.510002792	1346.704	0.106649	0.057871	0.638263	576.5474	0.002845	0.03816018	0.001439	0.01730008	1.85579846	0.00229	2.407578	0.001146
0.284090909	0.478921682	1301.015	0.100608	0.054387	0.600158	549.5224	0.002675	0.03610883	0.001411	0.01636765	1.76165377	0.002167	2.320333	0.001081
0.303030303	0.460793287	1274.366	0.097084	0.052355	0.577933	533.7598	0.002576	0.03491236	0.001394	0.0158238	1.70674286	0.002095	2.269447	0.001043
0.321969697	0.445385277	1251.716	0.09409	0.050628	0.559042	520.3625	0.002492	0.03389543	0.00138	0.01536156	1.660072	0.002034	2.226196	0.001011
0.340909091	0.435655206	1237.413	0.092198	0.049537	0.547113	511.9022	0.002439	0.03325324	0.001371	0.01506966	1.63059962	0.001995	2.198884	0.000991
0.359848485	0.419540435	1213.724	0.089066	0.04773	0.527357	497.8904	0.002351	0.03218967	0.001356	0.01458621	1.58178798	0.001931	2.15365	0.000957
0.378787879	0.39640221	1179.711	0.084569	0.045137	0.498989	477.7717	0.002225	0.03066255	0.001335	0.01389207	1.51170229	0.00184	2.088701	0.000908
0.397727273	0.37370798	1146.351	0.080158	0.042593	0.471166	458.0391	0.002101	0.02916473	0.001314	0.01321124	1.44296147	0.00175	2.024998	0.000861
0.416666667	0.343999803	1102.68	0.074383	0.039262	0.434744	432.2078	0.001939	0.02720399	0.001286	0.01231999	1.3529754	0.001632	1.941607	0.000799
0.435606061	0.319324404	1066.407	0.069587	0.036496	0.404492	410.7526	0.001804	0.02557541	0.001264	0.01157973	1.27823362	0.001535	1.872344	0.000747
0.454545455	0.305692255	1046.368	0.066937	0.034968	0.387779	398.8994	0.001729	0.02467569	0.001251	0.01117077	1.23694184	0.001481	1.834078	0.000719
0.473484848	0.297640413	1034.531	0.065372	0.034065	0.377907	391.8983	0.001686	0.02414427	0.001244	0.01092921	1.21255281	0.001449	1.811477	0.000702
0.492424242	0.290989995	1024.755	0.06408	0.03332	0.369754	386.1158	0.001649	0.02370534	0.001238	0.0107297	1.19240869	0.001422	1.792809	0.000688
0.511363636	0.283629835	1013.936	0.062649	0.032495	0.36073	379.7161	0.001609	0.02321957	0.001231	0.0105089	1.17011477	0.001393	1.772149	0.000673
0.53030303	0.27710712	1004.347	0.061381	0.031764	0.352733	374.0446	0.001573	0.02278907	0.001225	0.01031321	1.15035747	0.001367	1.75384	0.000659
0.549242424	0.270150065	994.1206	0.060029	0.030984	0.344204	367.9955	0.001535	0.0223299	0.001219	0.0101045	1.12928455	0.00134	1.734311	0.000645
0.568181818	0.253010392	968.9253	0.056698	0.029062	0.323191	353.0925	0.001442	0.02119869	0.001203	0.00959031	1.07736848	0.001272	1.6862	0.000609
0.587121212	0.240325049	950.2778	0.054232	0.02764	0.307639	342.0626	0.001373	0.02036145	0.001191	0.00920975	1.03894457	0.001222	1.650592	0.000582
0.606060606	0.231182709	936.8386	0.052455	0.026616	0.29643	334.1134	0.001323	0.01975806	0.001183	0.00893548	1.01125243	0.001185	1.62493	0.000563
0.625	0.219534129	919.7152	0.050191	0.02531	0.282149	323.9849	0.001259	0.01898925	0.001172	0.00858602	0.97596888	0.001139	1.592232	0.000539
0.643939394	0.209054738	904.3105	0.048154	0.024135	0.269301	314.8731	0.001202	0.01829761	0.001162	0.00827164	0.9442268	0.001098	1.562817	0.000517
0.662878788	0.204224452	897.2099	0.047215	0.023594	0.263379	310.6732	0.001176	0.01797881	0.001158	0.00812673	0.92959587	0.001079	1.549258	0.000507
0.681818182	0.20015265	891.2244	0.046424	0.023137	0.258387	307.1327	0.001153	0.01771007	0.001154	0.00800458	0.91726238	0.001063	1.537828	0.000498
0.700757576	0.192333668	879.7305	0.044904	0.022261	0.248801	300.3341	0.001111	0.01719402	0.001147	0.00777001	0.89357868	0.001032	1.515881	0.000482
0.71969697	0.179716676	861.1835	0.042452	0.020846	0.233333	289.3637	0.001042	0.0163613	0.001135	0.0073915	0.85536181	0.000982	1.480465	0.000456
0.738636364	0.169471294	846.1228	0.04046	0.019698	0.220772	280.4553	0.000986	0.01568511	0.001126	0.00708414	0.82432855	0.000941	1.451706	0.000434

Distance (miles)	Unit Concentration Year 41	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0.757575758	0.159692124	831.7474	0.038559	0.018601	0.208783	271.9523	0.000933	0.01503968	0.001117	0.00679076	0.79470744	0.000902	1.424256	0.000414
0.776515152	0.155793235	826.0161	0.037802	0.018164	0.204003	268.5622	0.000911	0.01478235	0.001113	0.0066738	0.78289771	0.000887	1.413312	0.000406
0.795454545	0.151401594	819.5603	0.036948	0.017672	0.198618	264.7437	0.000887	0.01449251	0.001109	0.00654205	0.76959543	0.00087	1.400984	0.000396
0.814393939	0.146612167	812.5199	0.036017	0.017135	0.192747	260.5793	0.000861	0.0141764	0.001105	0.00639837	0.75508825	0.000851	1.38754	0.000386
0.833333333	0.142316669	806.2055	0.035182	0.016654	0.18748	256.8443	0.000838	0.0138929	0.001101	0.0062695	0.74207719	0.000834	1.375483	0.000377
0.852272727	0.138031363	799.9061	0.034349	0.016173	0.182226	253.1183	0.000814	0.01361007	0.001097	0.00614094	0.729097	0.000817	1.363454	0.000368
0.871212121	0.134070396	794.0835	0.033579	0.015729	0.17737	249.6742	0.000793	0.01334865	0.001093	0.00602211	0.71709923	0.000801	1.352336	0.00036
0.890151515	0.131848559	790.8174	0.033147	0.01548	0.174646	247.7423	0.000781	0.013202	0.001091	0.00595546	0.71036928	0.000792	1.346099	0.000356
0.909090909	0.129860371	787.8947	0.032761	0.015257	0.172209	246.0136	0.00077	0.01307078	0.001089	0.00589581	0.70434706	0.000784	1.340518	0.000351
0.928030303	0.128100216	785.3073	0.032419	0.01506	0.170051	244.4831	0.00076	0.01295461	0.001088	0.00584301	0.69901556	0.000777	1.335577	0.000348
0.946969697	0.125573173	781.5926	0.031928	0.014777	0.166953	242.2859	0.000746	0.01278783	0.001086	0.0057672	0.69136114	0.000767	1.328484	0.000342
0.965909091	0.11919193	772.2121	0.030687	0.014061	0.159129	236.7374	0.000712	0.01236667	0.00108	0.00557576	0.67203236	0.000742	1.310572	0.000329
0.984848485	0.104339443	750.379	0.0278	0.012396	0.14092	223.8231	0.00063	0.0113864	0.001066	0.00513018	0.62704417	0.000683	1.268881	0.000298
1.003787879	0.088965893	727.7799	0.024812	0.010673	0.122072	210.4558	0.000547	0.01037175	0.001052	0.00466898	0.58047769	0.000622	1.225727	0.000266
1.022727273	0.085173391	722.2049	0.024075	0.010248	0.117423	207.1583	0.000526	0.01012144	0.001048	0.0045552	0.5689902	0.000607	1.215082	0.000258
1.041666667	0.078858316	712.9217	0.022848	0.00954	0.10968	201.6673	0.000491	0.00970465	0.001043	0.00436575	0.54986184	0.000582	1.197355	0.000245
1.060606061	0.0748761	707.0679	0.022074	0.009094	0.104798	198.2048	0.00047	0.00944182	0.001039	0.00424628	0.53779971	0.000567	1.186177	0.000236
1.079545455	0.072145678	703.0541	0.021543	0.008788	0.101451	195.8307	0.000455	0.00926161	0.001036	0.00416437	0.52952926	0.000556	1.178513	0.000231
1.098484848	0.069526464	699.2039	0.021034	0.008494	0.098239	193.5533	0.00044	0.00908875	0.001034	0.00408579	0.52159566	0.000545	1.171161	0.000225
1.117424242	0.067363746	696.0247	0.020613	0.008251	0.095588	191.6728	0.000429	0.00894601	0.001032	0.00402091	0.51504479	0.000537	1.16509	0.000221
1.136363636	0.064969726	692.5055	0.020148	0.007983	0.092653	189.5912	0.000416	0.008788	0.00103	0.00394909	0.5077933	0.000527	1.15837	0.000216
1.15530303	0.062379468	688.6978	0.019645	0.007693	0.089477	187.3389	0.000401	0.00861704	0.001027	0.00387138	0.49994741	0.000517	1.151099	0.00021
1.174242424	0.059615739	684.6351	0.019108	0.007383	0.086089	184.9359	0.000386	0.00843464	0.001025	0.00378847	0.49157607	0.000506	1.143341	0.000205
1.193181818	0.057012077	680.8078	0.018601	0.007091	0.082897	182.672	0.000372	0.0082628	0.001022	0.00371036	0.48368958	0.000496	1.136033	0.000199
1.212121212	0.055744782	678.9448	0.018355	0.006949	0.081343	181.5701	0.000365	0.00817916	0.001021	0.00367234	0.47985094	0.000491	1.132476	0.000197
1.231060606	0.050638653	671.4388	0.017363	0.006377	0.075083	177.1303	0.000337	0.00784215	0.001017	0.00351916	0.46438448	0.000471	1.118143	0.000186
1.25	0.046455696	665.2899	0.01655	0.005908	0.069955	173.4932	0.000315	0.00756608	0.001013	0.00339367	0.4517143	0.000454	1.106401	0.000177
1.268939394	0.042287532	659.1627	0.015739	0.00544	0.064845	169.869	0.000292	0.00729098	0.001009	0.00326863	0.43908894	0.000437	1.094701	0.000168
1.287878788	0.033664189	646.4864	0.014063	0.004474	0.054272	162.371	0.000245	0.00672184	0.001001	0.00300993	0.41296883	0.000403	1.070495	0.00015
1.306818182	0.03114347	642.7809	0.013573	0.004191	0.051182	160.1792	0.000231	0.00655547	0.000999	0.0029343	0.40533357	0.000393	1.06342	0.000145
1.325757576	0.0291868	639.9046	0.013193	0.003972	0.048783	158.4779	0.00022	0.00642633	0.000997	0.0028756	0.39940682	0.000386	1.057927	0.000141
1.34469697	0.026659412	636.1893	0.012702	0.003689	0.045684	156.2804	0.000207	0.00625952	0.000995	0.00279978	0.39175136	0.000376	1.050833	0.000136
1.363636364	0.023548346	631.6161	0.012097	0.00334	0.04187	153.5753	0.00019	0.00605419	0.000992	0.00270645	0.38232794	0.000363	1.0421	0.000129
1.382575758	0.017679412	622.9887	0.010956	0.002682	0.034675	148.4722	0.000157	0.00566684	0.000986	0.00253038	0.36455094	0.00034	1.025626	0.000117
1.401515152	0.013967577	617.5323	0.010235	0.002266	0.030124	145.2448	0.000137	0.00542186	0.000983	0.00241903	0.35330779	0.000325	1.015207	0.000109
1.420454545	0.012807301	615.8267	0.010009	0.002136	0.028702	144.2359	0.000131	0.00534528	0.000982	0.00238422	0.34979332	0.000321	1.01195	0.000107
1.439393939	0.01149473	613.8973	0.009754	0.001989	0.027093	143.0947	0.000124	0.00525865	0.000981	0.00234484	0.34581754	0.000316	1.008266	0.000104
1.458333333	0.01005143	611.7756	0.009474	0.001827	0.025323	141.8397	0.000116	0.00516339	0.000979	0.00230154	0.34144578	0.00031	1.004214	0.000101
1.477272727	0.008565401	609.5911	0.009185	0.00166	0.023501	140.5476	0.000108	0.00506532	0.000978	0.00225696	0.3369446	0.000304	1.000043	9.79E-05
1.496212121	0.007351188	607.8062	0.008949	0.001524	0.022013	139.4919	0.000101	0.00498518	0.000977	0.00222054	0.33326675	0.000299	0.996635	9.54E-05

Distance (miles)	Unit Concentration Year 41	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
1.515151515	0.006043006	605.8832	0.008695	0.001377	0.020409	138.3544	9.4E-05	0.00489884	0.000976	0.00218129	0.32930427	0.000294	0.992963	9.26E-05
1.534090909	0.004707221	603.9196	0.008435	0.001228	0.018771	137.1929	8.67E-05	0.00481068	0.000974	0.00214122	0.32525817	0.000289	0.989213	8.98E-05
1.553030303	0.003396947	601.9935	0.00818	0.001081	0.017165	136.0536	7.95E-05	0.0047242	0.000973	0.00210191	0.32128935	0.000283	0.985535	8.71E-05
1.571969697	0.002095965	600.0811	0.007927	0.000935	0.01557	134.9224	7.24E-05	0.00463833	0.000972	0.00206288	0.31734868	0.000278	0.981883	8.44E-05
1.590909091	0.001798757	599.6442	0.00787	0.000902	0.015205	134.664	7.08E-05	0.00461872	0.000972	0.00205396	0.31644844	0.000277	0.981049	8.38E-05
1.609848485	0.001491086	599.1919	0.00781	0.000867	0.014828	134.3965	6.91E-05	0.00459841	0.000971	0.00204473	0.3155165	0.000276	0.980185	8.31E-05
1.628787879	0.00114438	598.6822	0.007742	0.000828	0.014403	134.095	6.72E-05	0.00457553	0.000971	0.00203433	0.31446633	0.000275	0.979212	8.24E-05
1.647727273	0.000797209	598.1719	0.007675	0.000789	0.013977	133.7932	6.54E-05	0.00455262	0.000971	0.00202392	0.31341475	0.000273	0.978238	8.17E-05
1.666666667	0.000381756	597.5612	0.007594	0.000743	0.013468	133.4319	6.31E-05	0.0045252	0.00097	0.00201145	0.31215634	0.000272	0.977072	8.08E-05
1.685606061	0.000350916	597.5158	0.007588	0.000739	0.01343	133.4051	6.29E-05	0.00452316	0.00097	0.00201053	0.31206292	0.000271	0.976985	8.07E-05
1.704545455	0.000302094	597.4441	0.007579	0.000734	0.01337	133.3627	6.26E-05	0.00451994	0.00097	0.00200906	0.31191504	0.000271	0.976848	8.06E-05
1.723484848	0.000229624	597.3375	0.007565	0.000726	0.013282	133.2997	6.23E-05	0.00451516	0.00097	0.00200689	0.31169553	0.000271	0.976645	8.05E-05
1.742424242	0.000171322	597.2518	0.007553	0.000719	0.01321	133.249	6.19E-05	0.00451131	0.00097	0.00200514	0.31151894	0.000271	0.976481	8.04E-05
1.761363636	0.000122923	597.1807	0.007544	0.000714	0.013151	133.2069	6.17E-05	0.00450811	0.00097	0.00200369	0.31137233	0.00027	0.976345	8.03E-05
1.78030303	3.07E-05	597.0451	0.007526	0.000703	0.013038	133.1267	6.12E-05	0.00450203	0.00097	0.00200092	0.31109298	0.00027	0.976086	8.01E-05
1.799242424	1.93E-05	597.0284	0.007524	0.000702	0.013024	133.1168	6.11E-05	0.00450127	0.00097	0.00200058	0.31105847	0.00027	0.976054	8E-05
1.818181818	1.31E-05	597.0192	0.007523	0.000701	0.013016	133.1114	6.11E-05	0.00450086	0.00097	0.00200039	0.31103961	0.00027	0.976037	8E-05
1.837121212	8.90E-06	597.0131	0.007522	0.000701	0.013011	133.1077	6.1E-05	0.00450059	0.00097	0.00200027	0.31102695	0.00027	0.976025	8E-05
1.856060606	6.89E-06	597.0101	0.007521	0.000701	0.013008	133.106	6.1E-05	0.00450045	0.00097	0.00200021	0.31102087	0.00027	0.976019	8E-05
1.875	4.95E-06	597.0073	0.007521	0.000701	0.013006	133.1043	6.1E-05	0.00450033	0.00097	0.00200015	0.311015	0.00027	0.976014	8E-05
1.893939394	2.97E-06	597.0044	0.007521	0.0007	0.013004	133.1026	6.1E-05	0.0045002	0.00097	0.00200009	0.31100901	0.00027	0.976008	8E-05
1.912878788	1.45E-06	597.0021	0.00752	0.0007	0.013002	133.1013	6.1E-05	0.0045001	0.00097	0.00200004	0.31100439	0.00027	0.976004	8E-05
1.931818182	7.12E-07	597.001	0.00752	0.0007	0.013001	133.1006	6.1E-05	0.00450005	0.00097	0.00200002	0.31100216	0.00027	0.976002	8E-05
1.950757576	3.74E-07	597.0005	0.00752	0.0007	0.013	133.1003	6.1E-05	0.00450002	0.00097	0.00200001	0.31100113	0.00027	0.976001	8E-05
1.96969697	2.83E-07	597.0004	0.00752	0.0007	0.013	133.1002	6.1E-05	0.00450002	0.00097	0.00200001	0.31100086	0.00027	0.976001	8E-05
1.988636364	2.19E-07	597.0003	0.00752	0.0007	0.013	133.1002	6.1E-05	0.00450001	0.00097	0.00200001	0.31100066	0.00027	0.976001	8E-05
2.007575758	1.65E-07	597.0002	0.00752	0.0007	0.013	133.1001	6.1E-05	0.00450001	0.00097	0.002	0.3110005	0.00027	0.976	8E-05
2.026515152	1.18E-07	597.0002	0.00752	0.0007	0.013	133.1001	6.1E-05	0.00450001	0.00097	0.002	0.31100036	0.00027	0.976	8E-05
2.045454545	7.70E-08	597.0001	0.00752	0.0007	0.013	133.1001	6.1E-05	0.00450001	0.00097	0.002	0.31100023	0.00027	0.976	8E-05
2.064393939	4.81E-08	597.0001	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.31100015	0.00027	0.976	8E-05
2.083333333	2.66E-08	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.31100008	0.00027	0.976	8E-05
2.102272727	1.33E-08	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.31100004	0.00027	0.976	8E-05
2.121212121	5.33E-09	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.31100002	0.00027	0.976	8E-05
2.140151515	1.93E-09	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.31100001	0.00027	0.976	8E-05
2.159090909	1.47E-09	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.178030303	1.09E-09	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.196969697	7.69E-10	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.215909091	5.16E-10	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.234848485	3.26E-10	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.253787879	2.02E-10	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05

Distance (miles)	Unit Concentration Year 41	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
2.272727273	1.34E-10	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.291666667	8.16E-11	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.310606061	4.23E-11	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.329545455	1.49E-11	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.348484848	7.96E-12	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.367424242	6.13E-12	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.386363636	4.44E-12	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.40530303	2.80E-12	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.424242424	1.39E-12	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.443181818	8.83E-13	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.462121212	5.89E-13	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.481060606	4.15E-13	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.5	3.13E-13	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.518939394	2.36E-13	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.537878788	1.57E-13	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.556818182	1.00E-13	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.575757576	6.21E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.59469697	3.68E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.613636364	2.16E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.632575758	1.02E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.651515152	7.21E-15	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.670454545	4.87E-15	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.689393939	3.12E-15	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.708333333	1.92E-15	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.727272727	1.44E-15	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.746212121	1.09E-15	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.765151515	9.34E-16	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.784090909	1.07E-15	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.803030303	1.12E-15	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.821969697	7.86E-16	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.840909091	5.10E-16	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.859848485	2.92E-16	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.878787879	1.52E-16	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.897727273	6.62E-17	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.916666667	4.51E-17	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.935606061	3.18E-17	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
2.954545455	1.80E-17	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
2.973484848	6.52E-18	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
2.992424242	3.49E-18	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.087121212	9.25E-19	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008

Distance (miles)	Unit Concentration Year 41	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
3.181818182	7.27E-20	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.276515152	1.93E-20	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.371212121	9.18E-22	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.465909091	3.60E-22	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.560606061	1.36E-22	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.65530303	3.97E-23	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.75	1.93E-23	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.84469697	6.36E-24	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
3.939393939	4.75E-25	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.034090909	1.30E-25	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.128787879	4.11E-26	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.223484848	1.67E-26	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.318181818	7.27E-27	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.412878788	1.97E-27	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.507575758	8.09E-28	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.602272727	3.58E-33	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.696969697	2.84E-28	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.791666667	1.22E-28	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.886363636	1.01E-28	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
4.981060606	5.41E-29	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.075757576	1.32E-29	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.170454545	9.69E-31	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.265151515	4.66E-31	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.359848485	2.34E-31	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.454545455	1.46E-31	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.549242424	4.29E-32	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.643939394	4.19E-33	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.738636364	1.24E-33	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.833333333	1.18E-36	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
5.928030303	3.01E-35	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.022727273	5.33E-36	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.117424242	6.69E-37	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.212121212	3.35E-35	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.306818182	8.14E-36	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.401515152	6.28E-37	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.496212121	2.07E-37	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.590909091	2.31E-38	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.685606061	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.78030303	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
6.875	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008

Distance (miles)	Unit Concentration Year 41	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
6.96969697	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.064393939	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.159090909	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.253787879	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.348484848	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.443181818	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.537878788	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.632575758	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.727272727	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.821969697	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.916666667	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.011363636	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.106060606	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.200757576	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.295454545	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.390151515	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.484848485	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.579545455	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.674242424	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.768939394	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.863636364	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.958333333	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.053030303	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.147727273	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.242424242	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.337121212	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.431818182	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.526515152	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.621212121	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.715909091	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.810606061	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.90530303	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.09469697	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.18939394	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.28409091	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.37878788	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.47348485	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.56818182	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
10.66287879	0	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0	0.95043242	1994.136	0.192256	0.107243	1.17823	959.501	0.005248	0.06722854	0.001844	0.03051297	3.1898598	0.004034	3.643864	0.002066
0.018939394	0.931203663	1965.869	0.188518	0.105088	1.154656	942.7816	0.005144	0.06595944	0.001827	0.02993611	3.1316159	0.003958	3.589889	0.002026
0.037878788	0.918114066	1946.628	0.185974	0.103621	1.138608	931.4002	0.005072	0.06509553	0.001815	0.02954342	3.0919675	0.003906	3.553146	0.001999
0.056818182	0.901649475	1922.425	0.182774	0.101775	1.118422	917.0842	0.004982	0.06400887	0.0018	0.02904948	3.0420963	0.003841	3.50693	0.001964
0.075757576	0.882655859	1894.504	0.179082	0.099646	1.095136	900.5693	0.004879	0.06275529	0.001782	0.02847968	2.9845646	0.003765	3.453615	0.001925
0.09469697	0.859908938	1861.066	0.174661	0.097096	1.067248	880.7908	0.004754	0.06125399	0.001761	0.02779727	2.9156642	0.003675	3.389764	0.001877
0.113636364	0.841495812	1833.999	0.171082	0.095032	1.044674	864.7806	0.004654	0.06003872	0.001744	0.02724487	2.8598908	0.003602	3.338079	0.001839
0.132575758	0.825809062	1810.939	0.168033	0.093273	1.025442	851.141	0.004568	0.0590034	0.00173	0.02677427	2.8123756	0.00354	3.294046	0.001806
0.151515152	0.804055512	1778.962	0.163804	0.090835	0.998772	832.2263	0.00445	0.05756766	0.00171	0.02612167	2.7464841	0.003454	3.232984	0.00176
0.170454545	0.776270211	1738.117	0.158404	0.08772	0.964707	808.0669	0.004298	0.05573383	0.001684	0.02528811	2.6623225	0.003344	3.15499	0.001702
0.189393939	0.75398165	1705.353	0.154071	0.085221	0.937382	788.687	0.004176	0.05426279	0.001664	0.02461945	2.5948104	0.003256	3.092426	0.001656
0.208333333	0.729429126	1669.261	0.149299	0.082469	0.90728	767.3386	0.004042	0.05264232	0.001641	0.02388287	2.5204408	0.003159	3.023508	0.001605
0.227272727	0.699382246	1625.092	0.143459	0.079101	0.870443	741.2129	0.003878	0.05065923	0.001613	0.02298147	2.4294288	0.00304	2.939166	0.001542
0.246212121	0.683282137	1601.425	0.14033	0.077296	0.850704	727.2138	0.00379	0.04959662	0.001599	0.02249846	2.3806616	0.002976	2.893973	0.001508
0.265151515	0.658566117	1565.092	0.135525	0.074525	0.820402	705.7232	0.003655	0.04796536	0.001576	0.02175698	2.3057968	0.002878	2.824595	0.001456
0.284090909	0.645725131	1546.216	0.13303	0.073086	0.804659	694.558	0.003585	0.04711786	0.001564	0.02137175	2.2669014	0.002827	2.78855	0.00143
0.303030303	0.632698417	1527.067	0.130498	0.071625	0.788688	683.2313	0.003514	0.0462581	0.001552	0.02098095	2.2274435	0.002775	2.751984	0.001402
0.321969697	0.623742461	1513.901	0.128757	0.070622	0.777708	675.4441	0.003465	0.045667	0.001544	0.02071227	2.2003159	0.00274	2.726845	0.001384
0.340909091	0.614187539	1499.856	0.1269	0.06955	0.765994	667.1361	0.003413	0.04503638	0.001535	0.02042563	2.1713741	0.002702	2.700024	0.001364
0.359848485	0.603290319	1483.837	0.124782	0.068329	0.752634	657.6609	0.003354	0.04431716	0.001525	0.02009871	2.1383664	0.002659	2.669436	0.001341
0.378787879	0.594688475	1471.192	0.12311	0.067365	0.742088	650.1816	0.003307	0.04374944	0.001517	0.01984065	2.1123114	0.002625	2.645291	0.001323
0.397727273	0.58731389	1460.351	0.121676	0.066538	0.733047	643.7694	0.003267	0.04326272	0.00151	0.01961942	2.0899738	0.002596	2.62459	0.001307
0.416666667	0.579045177	1448.196	0.120069	0.065611	0.722909	636.5798	0.003221	0.04271698	0.001503	0.01937136	2.0649278	0.002563	2.60138	0.00129
0.435606061	0.569980085	1434.871	0.118307	0.064595	0.711796	628.6977	0.003172	0.04211869	0.001494	0.0190994	2.0374697	0.002527	2.575934	0.001271
0.454545455	0.561349869	1422.184	0.11663	0.063627	0.701215	621.1937	0.003125	0.04154909	0.001486	0.0188405	2.0113288	0.002493	2.551709	0.001253
0.473484848	0.554793954	1412.547	0.115355	0.062892	0.693177	615.4933	0.003089	0.0411164	0.00148	0.01864382	1.9914709	0.002467	2.533307	0.00124
0.492424242	0.549207807	1404.335	0.11427	0.062266	0.686329	610.6362	0.003059	0.04074772	0.001475	0.01847623	1.9745504	0.002445	2.517626	0.001228
0.511363636	0.543452382	1395.875	0.113151	0.061621	0.679273	605.6318	0.003027	0.04036786	0.00147	0.01830357	1.9571173	0.002422	2.501471	0.001216
0.53030303	0.537527084	1387.165	0.111999	0.060957	0.672008	600.4798	0.002995	0.03997679	0.001465	0.01812581	1.9391695	0.002399	2.484839	0.001203
0.549242424	0.532520235	1379.805	0.111026	0.060396	0.66587	596.1263	0.002967	0.03964634	0.00146	0.01797561	1.9240038	0.002379	2.470784	0.001193
0.568181818	0.527090728	1371.823	0.109971	0.059787	0.659213	591.4054	0.002938	0.03928799	0.001455	0.01781272	1.9075578	0.002357	2.455544	0.001182
0.587121212	0.521060348	1362.959	0.108798	0.059111	0.65182	586.162	0.002905	0.03888998	0.001449	0.01763181	1.8892918	0.002333	2.438616	0.001169
0.606060606	0.516751707	1356.625	0.107961	0.058628	0.646538	582.4156	0.002881	0.03860561	0.001445	0.01750255	1.8762409	0.002316	2.426522	0.00116
0.625	0.51337105	1351.655	0.107304	0.058249	0.642393	579.4761	0.002863	0.03838249	0.001442	0.01740113	1.8660009	0.002303	2.417033	0.001153
0.643939394	0.51021564	1347.017	0.106691	0.057895	0.638524	576.7325	0.002846	0.03817423	0.001439	0.01730647	1.8564432	0.00229	2.408175	0.001146
0.662878788	0.506402612	1341.412	0.105949	0.057468	0.63385	573.4171	0.002825	0.03792257	0.001436	0.01719208	1.8448935	0.002275	2.397472	0.001138
0.681818182	0.501645029	1334.418	0.105025	0.056934	0.628017	569.2804	0.002799	0.03760857	0.001432	0.01704935	1.8304828	0.002257	2.384118	0.001128
0.700757576	0.492364466	1320.776	0.103221	0.055894	0.616639	561.2109	0.002748	0.03699605	0.001423	0.01677093	1.802372	0.00222	2.358067	0.001109
0.71969697	0.486757457	1312.533	0.102131	0.055266	0.609765	556.3356	0.002718	0.03662599	0.001418	0.01660272	1.7853883	0.002198	2.342328	0.001097
0.738636364	0.478852183	1300.913	0.100594	0.054379	0.600073	549.462	0.002675	0.03610424	0.001411	0.01636557	1.7614433	0.002166	2.320138	0.001081

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0.757575758	0.462679029	1277.138	0.097451	0.052566	0.580244	535.3994	0.002586	0.03503682	0.001396	0.01588037	1.7124548	0.002102	2.27474	0.001047
0.776515152	0.457969308	1270.215	0.096535	0.052038	0.57447	531.3043	0.002561	0.03472597	0.001391	0.01573908	1.698189	0.002084	2.26152	0.001037
0.795454545	0.454263389	1264.767	0.095815	0.051623	0.569927	528.082	0.00254	0.03448138	0.001388	0.0156279	1.6869638	0.002069	2.251117	0.001029
0.814393939	0.452300519	1261.882	0.095434	0.051403	0.56752	526.3753	0.00253	0.03435183	0.001386	0.01556902	1.6810183	0.002061	2.245608	0.001025
0.833333333	0.450031638	1258.547	0.094993	0.051149	0.564739	524.4025	0.002517	0.03420209	0.001384	0.01550095	1.6741458	0.002052	2.239239	0.001021
0.852272727	0.447337508	1254.586	0.094469	0.050847	0.561436	522.06	0.002503	0.03402428	0.001382	0.01542013	1.6659853	0.002041	2.231676	0.001015
0.871212121	0.44410491	1249.834	0.093841	0.050484	0.557473	519.2492	0.002485	0.03381092	0.001379	0.01532315	1.6561938	0.002029	2.222602	0.001008
0.890151515	0.440773338	1244.937	0.093193	0.050111	0.553388	516.3524	0.002467	0.03359104	0.001376	0.0152232	1.6461024	0.002015	2.213251	0.001001
0.909090909	0.438971162	1242.288	0.092843	0.049909	0.551179	514.7854	0.002457	0.0334721	0.001374	0.01516913	1.6406436	0.002008	2.208192	0.000997
0.928030303	0.43663919	1238.86	0.09239	0.049647	0.54832	512.7578	0.002444	0.03331819	0.001372	0.01509918	1.6335801	0.001999	2.201646	0.000993
0.946969697	0.433373749	1234.059	0.091755	0.049281	0.544316	509.9185	0.002426	0.03310267	0.001369	0.01500121	1.6236891	0.001986	2.19248	0.000986
0.965909091	0.428116381	1226.331	0.090733	0.048692	0.537871	505.3472	0.002398	0.03275568	0.001364	0.01484349	1.6077645	0.001965	2.177723	0.000975
0.984848485	0.422221929	1217.666	0.089587	0.048031	0.530644	500.222	0.002365	0.03236665	0.001358	0.01466666	1.5899102	0.001942	2.161177	0.000962
1.003787879	0.410835117	1200.928	0.087374	0.046755	0.516684	490.3211	0.002303	0.03161512	0.001348	0.01432505	1.5554196	0.001897	2.129214	0.000939
1.022727273	0.408961892	1198.174	0.08701	0.046545	0.514387	488.6924	0.002293	0.03149148	0.001346	0.01426886	1.5497456	0.001889	2.123956	0.000935
1.041666667	0.404962987	1192.296	0.086233	0.046096	0.509485	485.2153	0.002271	0.03122756	0.001343	0.01414889	1.5376329	0.001874	2.112731	0.000926
1.060606061	0.400201023	1185.296	0.085307	0.045563	0.503646	481.0748	0.002245	0.03091327	0.001338	0.01400603	1.5232089	0.001855	2.099364	0.000916
1.079545455	0.395615488	1178.555	0.084416	0.045048	0.498025	477.0877	0.00222	0.03061062	0.001334	0.01386846	1.5093193	0.001837	2.086493	0.000907
1.098484848	0.39154163	1172.566	0.083624	0.044592	0.49303	473.5454	0.002198	0.03034175	0.00133	0.01374625	1.4969796	0.001821	2.075057	0.000898
1.117424242	0.387301564	1166.333	0.0828	0.044117	0.487832	469.8587	0.002175	0.0300619	0.001326	0.01361905	1.4841364	0.001804	2.063155	0.000889
1.136363636	0.383455455	1160.68	0.082052	0.043685	0.483116	466.5145	0.002154	0.02980806	0.001323	0.01350366	1.4724866	0.001788	2.052359	0.000881
1.15530303	0.379758596	1155.245	0.081334	0.043271	0.478584	463.3001	0.002134	0.02956407	0.001319	0.01339276	1.4612888	0.001774	2.041982	0.000874
1.174242424	0.375778615	1149.395	0.08056	0.042825	0.473705	459.8395	0.002112	0.02930139	0.001316	0.01327336	1.4492334	0.001758	2.030811	0.000865
1.193181818	0.371674865	1143.362	0.079762	0.042365	0.468673	456.2713	0.00209	0.02903054	0.001312	0.01315025	1.4368032	0.001742	2.019291	0.000857
1.212121212	0.367999911	1137.96	0.079048	0.041953	0.464168	453.0759	0.00207	0.02878799	0.001309	0.01304	1.4256717	0.001727	2.008976	0.000849
1.231060606	0.365680724	1134.551	0.078597	0.041693	0.461325	451.0594	0.002057	0.02863493	0.001306	0.01297042	1.4186469	0.001718	2.002466	0.000844
1.25	0.362482548	1129.849	0.077976	0.041334	0.457404	448.2786	0.002039	0.02842385	0.001303	0.01287448	1.4089596	0.001705	1.993489	0.000838
1.268939394	0.356137067	1120.521	0.076742	0.040623	0.449624	442.7612	0.002005	0.02800505	0.001298	0.01268411	1.3897392	0.00168	1.975677	0.000824
1.287878788	0.342868209	1101.016	0.074163	0.039136	0.433356	431.2239	0.001932	0.0271293	0.001285	0.01228605	1.3495478	0.001628	1.938431	0.000797
1.306818182	0.336163133	1091.16	0.07286	0.038384	0.425136	425.3938	0.001896	0.02668677	0.001279	0.01208489	1.3292381	0.001601	1.91961	0.000783
1.325757576	0.329454362	1081.298	0.071556	0.037632	0.416911	419.5606	0.001859	0.02624399	0.001273	0.01188363	1.3089173	0.001575	1.900778	0.000769
1.34469697	0.322395891	1070.922	0.070184	0.036841	0.408257	413.4232	0.001821	0.02577813	0.001267	0.01167188	1.2875372	0.001547	1.880965	0.000754
1.363636364	0.31041348	1053.308	0.067855	0.035497	0.393567	403.0045	0.001755	0.02498729	0.001256	0.0113124	1.2512424	0.001499	1.847331	0.000729
1.382575758	0.289076895	1021.943	0.063708	0.033106	0.367408	384.4524	0.001639	0.02357908	0.001236	0.01067231	1.1866139	0.001415	1.787439	0.000684
1.401515152	0.264561832	985.9059	0.058943	0.030357	0.337353	363.1365	0.001505	0.02196108	0.001213	0.00993685	1.1123578	0.001318	1.718625	0.000633
1.420454545	0.246850863	959.8708	0.0555	0.028372	0.315639	347.7368	0.001408	0.02079216	0.001197	0.00940553	1.0587113	0.001248	1.66891	0.000596
1.439393939	0.238748819	947.9608	0.053926	0.027464	0.305706	340.6921	0.001364	0.02025742	0.00119	0.00916246	1.0341702	0.001215	1.646168	0.000579
1.458333333	0.227099016	930.8356	0.051661	0.026158	0.291423	330.5626	0.001301	0.01948854	0.001179	0.00881297	0.9988829	0.001169	1.613467	0.000555
1.477272727	0.216931298	915.889	0.049685	0.025018	0.278958	321.7218	0.001245	0.01881747	0.00117	0.00850794	0.9680849	0.001129	1.584926	0.000533
1.496212121	0.204885915	898.1823	0.047344	0.023668	0.26419	311.2483	0.001179	0.01802247	0.001158	0.00814658	0.9315994	0.001081	1.551115	0.000508

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
1.515151515	0.190824687	877.5123	0.044611	0.022091	0.246951	299.0221	0.001103	0.01709443	0.001146	0.00772474	0.889008	0.001026	1.511645	0.000479
1.534090909	0.181216255	863.3879	0.042743	0.021014	0.235171	290.6675	0.00105	0.01646027	0.001137	0.00743649	0.859904	0.000988	1.484674	0.000459
1.553030303	0.166908741	842.3558	0.039962	0.01941	0.21763	278.2272	0.000972	0.01551598	0.001124	0.00700726	0.8165666	0.000931	1.444513	0.000429
1.571969697	0.164455652	838.7498	0.039485	0.019135	0.214623	276.0942	0.000959	0.01535407	0.001121	0.00693367	0.8091362	0.000921	1.437627	0.000424
1.590909091	0.162442267	835.7901	0.039094	0.01891	0.212154	274.3436	0.000948	0.01522119	0.001119	0.00687327	0.8030376	0.000913	1.431975	0.00042
1.609848485	0.160622463	833.115	0.03874	0.018706	0.209923	272.7612	0.000938	0.01510108	0.001118	0.00681867	0.7975254	0.000906	1.426867	0.000416
1.628787879	0.158814326	830.4571	0.038389	0.018503	0.207706	271.1891	0.000928	0.01498175	0.001116	0.00676443	0.7920486	0.000899	1.421792	0.000412
1.647727273	0.155059442	824.9374	0.037659	0.018082	0.203103	267.9242	0.000907	0.01473392	0.001113	0.00665178	0.780675	0.000884	1.411252	0.000404
1.666666667	0.152025029	820.4768	0.037069	0.017742	0.199383	265.2858	0.000891	0.01453365	0.00111	0.00656075	0.7714838	0.000872	1.402734	0.000398
1.685606061	0.150709048	818.5423	0.036813	0.017594	0.197769	264.1415	0.000884	0.0144468	0.001109	0.00652127	0.7674977	0.000867	1.39904	0.000395
1.704545455	0.154593363	824.2522	0.037568	0.01803	0.202531	267.5189	0.000905	0.01470316	0.001112	0.0066378	0.7792633	0.000882	1.409944	0.000403
1.723484848	0.153358281	822.4367	0.037328	0.017891	0.201017	266.445	0.000898	0.01462165	0.001111	0.00660075	0.7755222	0.000877	1.406477	0.000401
1.742424242	0.151777178	820.1125	0.037021	0.017714	0.199079	265.0703	0.000889	0.01451729	0.00111	0.00655332	0.7707331	0.000871	1.402039	0.000397
1.761363636	0.146879151	812.9124	0.036069	0.017165	0.193074	260.8114	0.000863	0.01419402	0.001105	0.00640637	0.7558969	0.000852	1.38829	0.000387
1.78030303	0.154555425	824.1965	0.037561	0.018026	0.202485	267.4859	0.000905	0.01470066	0.001112	0.00663666	0.7791484	0.000882	1.409837	0.000403
1.799242424	0.153550774	822.7196	0.037366	0.017913	0.201253	266.6124	0.000899	0.01463435	0.001111	0.00660652	0.7761053	0.000878	1.407017	0.000401
1.818181818	0.151859194	820.233	0.037037	0.017723	0.199179	265.1416	0.00089	0.01452271	0.00111	0.00655578	0.7709815	0.000871	1.402269	0.000397
1.837121212	0.150175065	817.7573	0.03671	0.017535	0.197115	263.6772	0.000881	0.01441155	0.001108	0.00650525	0.7658803	0.000865	1.397541	0.000394
1.856060606	0.152852878	821.6937	0.03723	0.017835	0.200398	266.0056	0.000895	0.01458829	0.001111	0.00658559	0.7739914	0.000875	1.405058	0.000399
1.875	0.151195407	819.2572	0.036908	0.017649	0.198366	264.5644	0.000886	0.0144789	0.001109	0.00653586	0.7689709	0.000869	1.400406	0.000396
1.893939394	0.149025694	816.0678	0.036486	0.017406	0.195706	262.6778	0.000874	0.0143357	0.001107	0.00647077	0.7623988	0.00086	1.394315	0.000391
1.912878788	0.146710873	812.665	0.036036	0.017146	0.192868	260.6651	0.000862	0.01418292	0.001105	0.00640133	0.7553872	0.000851	1.387817	0.000387
1.931818182	0.143590927	808.0787	0.03543	0.016797	0.189042	257.9523	0.000845	0.013977	0.001102	0.00630773	0.7459369	0.000839	1.37906	0.00038
1.950757576	0.139453217	801.9962	0.034626	0.016333	0.18397	254.3546	0.000822	0.01370391	0.001098	0.0061836	0.7334038	0.000822	1.367445	0.000371
1.96969697	0.135563552	796.2784	0.033869	0.015897	0.179201	250.9725	0.000801	0.01344719	0.001095	0.00606691	0.721622	0.000807	1.356527	0.000363
1.988636364	0.134179428	794.2438	0.0336	0.015742	0.177504	249.769	0.000793	0.01335584	0.001093	0.00602538	0.7174295	0.000801	1.352642	0.00036
2.007575758	0.132695615	792.0626	0.033312	0.015575	0.175685	248.4788	0.000785	0.01325791	0.001092	0.00598087	0.712935	0.000795	1.348477	0.000357
2.026515152	0.131275147	789.9745	0.033036	0.015416	0.173943	247.2437	0.000777	0.01316416	0.001091	0.00593825	0.7086324	0.00079	1.344489	0.000354
2.045454545	0.12978141	787.7787	0.032746	0.015248	0.172112	245.9449	0.000769	0.01306557	0.001089	0.00589344	0.7041079	0.000784	1.340296	0.000351
2.064393939	0.127801493	784.8682	0.032361	0.015027	0.169685	244.2234	0.000759	0.0129349	0.001088	0.00583404	0.6981107	0.000776	1.334739	0.000347
2.083333333	0.125308886	781.2041	0.031876	0.014747	0.166629	242.0561	0.000745	0.01277039	0.001085	0.00575927	0.6905606	0.000766	1.327742	0.000342
2.102272727	0.123818241	779.0128	0.031587	0.01458	0.164801	240.76	0.000737	0.012672	0.001084	0.00571455	0.6860455	0.00076	1.323558	0.000339
2.121212121	0.119349666	772.444	0.030718	0.014079	0.159323	236.8745	0.000712	0.01237708	0.00108	0.00558049	0.6725101	0.000743	1.311015	0.000329
2.140151515	0.109649472	758.1847	0.028833	0.012992	0.14743	228.4402	0.000659	0.01173687	0.001071	0.00528948	0.6431283	0.000704	1.283786	0.000309
2.159090909	0.107401878	754.8808	0.028396	0.01274	0.144675	226.4859	0.000647	0.01158852	0.001069	0.00522206	0.6363203	0.000695	1.277477	0.000304
2.178030303	0.105941534	752.7341	0.028112	0.012576	0.142884	225.2162	0.000639	0.01149214	0.001067	0.00517825	0.6318969	0.00069	1.273378	0.000301
2.196969697	0.103973128	749.8405	0.027729	0.012355	0.140471	223.5046	0.000628	0.01136223	0.001066	0.00511919	0.6259346	0.000682	1.267853	0.000297
2.215909091	0.101526052	746.2433	0.027254	0.012081	0.137471	221.3769	0.000615	0.01120072	0.001063	0.00504578	0.6185224	0.000672	1.260984	0.000292
2.234848485	0.098667629	742.0414	0.026698	0.011761	0.133967	218.8915	0.0006	0.01101206	0.001061	0.00496003	0.6098642	0.000661	1.25296	0.000286
2.253787879	0.095874056	737.9349	0.026155	0.011447	0.130542	216.4625	0.000584	0.01082769	0.001058	0.00487622	0.6014025	0.00065	1.245118	0.00028

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
2.272727273	0.093714818	734.7608	0.025735	0.011205	0.127894	214.585	0.000572	0.01068518	0.001056	0.00481144	0.5948622	0.000641	1.239057	0.000276
2.291666667	0.090572223	730.1412	0.025125	0.010853	0.124042	211.8525	0.000555	0.01047777	0.001053	0.00471717	0.5853433	0.000629	1.230236	0.000269
2.310606061	0.084581487	721.3348	0.02396	0.010182	0.116697	206.6436	0.000523	0.01008238	0.001048	0.00453744	0.5671973	0.000605	1.21342	0.000257
2.329545455	0.074070491	705.8836	0.021917	0.009003	0.10381	197.5043	0.000465	0.00938865	0.001038	0.00422211	0.5353595	0.000563	1.183916	0.000235
2.348484848	0.068880685	698.2546	0.020908	0.008422	0.097448	192.9918	0.000437	0.00904613	0.001033	0.00406642	0.5196396	0.000543	1.169348	0.000224
2.367424242	0.066795558	695.1895	0.020503	0.008188	0.094891	191.1787	0.000426	0.00890851	0.001031	0.00400387	0.5133237	0.000535	1.163495	0.00022
2.386363636	0.062465694	688.8246	0.019661	0.007702	0.089583	187.4139	0.000402	0.00862274	0.001027	0.00387397	0.5002086	0.000517	1.151341	0.000211
2.40530303	0.054388627	676.9513	0.018092	0.006797	0.07968	180.3909	0.000358	0.00808965	0.00102	0.00363166	0.4757432	0.000485	1.128669	0.000194
2.424242424	0.044814132	662.8768	0.016231	0.005724	0.067942	172.0659	0.000306	0.00745773	0.001011	0.00334442	0.446742	0.000447	1.101793	0.000174
2.443181818	0.04007097	655.9043	0.015309	0.005192	0.062127	167.9417	0.00028	0.00714468	0.001007	0.00320213	0.432375	0.000429	1.088479	0.000164
2.462121212	0.035101004	648.5985	0.014343	0.004635	0.056034	163.6203	0.000253	0.00681667	0.001002	0.00305303	0.4173209	0.000409	1.074529	0.000153
2.481060606	0.031235265	642.9158	0.013591	0.004201	0.051294	160.2591	0.000231	0.00656153	0.000999	0.00293706	0.4056116	0.000394	1.063677	0.000145
2.5	0.029005291	639.6378	0.013158	0.003951	0.04856	158.3201	0.000219	0.00641435	0.000997	0.00287016	0.398857	0.000385	1.057418	0.000141
2.518939394	0.026817089	636.4211	0.012732	0.003706	0.045878	156.4175	0.000207	0.00626993	0.000995	0.00280451	0.392229	0.000376	1.051276	0.000136
2.537878788	0.02439189	632.8561	0.012261	0.003434	0.042904	154.3087	0.000194	0.00610986	0.000992	0.00273176	0.384883	0.000367	1.044468	0.000131
2.556818182	0.022107773	629.4984	0.011817	0.003178	0.040104	152.3227	0.000182	0.00595911	0.00099	0.00266323	0.3779644	0.000358	1.038057	0.000126
2.575757576	0.020179432	626.6638	0.011442	0.002962	0.03774	150.646	0.000171	0.00583184	0.000989	0.00260538	0.3721235	0.00035	1.032644	0.000122
2.59469697	0.019255798	625.306	0.011263	0.002859	0.036608	149.8429	0.000166	0.00577088	0.000988	0.00257767	0.3693258	0.000346	1.030051	0.00012
2.613636364	0.019465463	625.6142	0.011304	0.002882	0.036865	150.0252	0.000167	0.00578472	0.000988	0.00258396	0.3699609	0.000347	1.03064	0.000121
2.632575758	0.018940672	624.8428	0.011201	0.002823	0.036221	149.5689	0.000164	0.00575008	0.000987	0.00256822	0.3683713	0.000345	1.029166	0.00012
2.651515152	0.018583184	624.3173	0.011132	0.002783	0.035783	149.2581	0.000162	0.00572649	0.000987	0.0025575	0.3672885	0.000344	1.028163	0.000119
2.670454545	0.018040979	623.5202	0.011027	0.002722	0.035118	148.7866	0.000159	0.0056907	0.000987	0.00254123	0.3656461	0.000341	1.026641	0.000118
2.689393939	0.017629871	622.9159	0.010947	0.002676	0.034614	148.4292	0.000157	0.00566357	0.000986	0.0025289	0.3644009	0.00034	1.025487	0.000117
2.708333333	0.017237363	622.3389	0.01087	0.002632	0.034133	148.0879	0.000155	0.00563767	0.000986	0.00251712	0.363212	0.000338	1.024385	0.000116
2.727272727	0.017324435	622.4669	0.010887	0.002642	0.03424	148.1636	0.000156	0.00564341	0.000986	0.00251973	0.3634757	0.000339	1.02463	0.000116
2.746212121	0.01760162	622.8744	0.010941	0.002673	0.03458	148.4046	0.000157	0.00566171	0.000986	0.00252805	0.3643153	0.00034	1.025408	0.000117
2.765151515	0.018718041	624.5155	0.011158	0.002798	0.035948	149.3753	0.000163	0.00573539	0.000987	0.00256154	0.3676969	0.000344	1.028542	0.000119
2.784090909	0.022355083	629.862	0.011865	0.003206	0.040407	152.5377	0.000183	0.00597544	0.000991	0.00267065	0.3787135	0.000359	1.038751	0.000127
2.803030303	0.028637288	639.0968	0.013086	0.00391	0.048109	158.0001	0.000217	0.00639006	0.000996	0.00285912	0.3977423	0.000383	1.056385	0.00014
2.821969697	0.028215686	638.4771	0.013004	0.003863	0.047592	157.6335	0.000215	0.00636224	0.000996	0.00284647	0.3964653	0.000382	1.055201	0.000139
2.840909091	0.027594615	637.5641	0.012884	0.003793	0.046831	157.0935	0.000212	0.00632124	0.000995	0.00282784	0.3945841	0.000379	1.053458	0.000138
2.859848485	0.026684742	636.2266	0.012707	0.003691	0.045715	156.3024	0.000207	0.00626119	0.000995	0.00280054	0.3918281	0.000376	1.050904	0.000136
2.878787879	0.025166025	633.9941	0.012412	0.003521	0.043854	154.9819	0.000198	0.00616096	0.000993	0.00275498	0.3872279	0.00037	1.046641	0.000133
2.897727273	0.023027008	630.8497	0.011996	0.003281	0.041231	153.122	0.000187	0.00601978	0.000991	0.00269081	0.3807488	0.000361	1.040637	0.000128
2.916666667	0.022525599	630.1126	0.011898	0.003225	0.040616	152.686	0.000184	0.00598669	0.000991	0.00267577	0.37923	0.000359	1.039229	0.000127
2.935606061	0.022001933	629.3428	0.011797	0.003166	0.039974	152.2307	0.000181	0.00595213	0.00099	0.00266006	0.3776439	0.000357	1.037759	0.000126
2.954545455	0.020990137	627.8555	0.0116	0.003053	0.038734	151.3509	0.000176	0.00588535	0.000989	0.0026297	0.3745791	0.000353	1.034919	0.000124
2.973484848	0.018033825	623.5097	0.011025	0.002722	0.035109	148.7804	0.000159	0.00569023	0.000987	0.00254101	0.3656245	0.000341	1.026621	0.000118
2.992424242	0.017137807	622.1926	0.010851	0.002621	0.034011	148.0013	0.000155	0.0056311	0.000986	0.00251413	0.3629104	0.000338	1.024106	0.000116
3.087121212	0.016599555	621.4013	0.010746	0.002561	0.033351	147.5333	0.000152	0.00559557	0.000985	0.00249799	0.3612801	0.000336	1.022595	0.000115

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
3.181818182	0.008209568	609.0681	0.009116	0.00162	0.023065	140.2382	0.000106	0.00504183	0.000978	0.00224629	0.3358668	0.000303	0.999044	9.72E-05
3.276515152	0.00745294	607.9558	0.008969	0.001535	0.022137	139.5803	0.000102	0.00499189	0.000977	0.00222359	0.333575	0.0003	0.99692	9.56E-05
3.371212121	0.002249075	600.3061	0.007957	0.000952	0.015757	135.0556	7.33E-05	0.00464844	0.000972	0.00206747	0.3178124	0.000279	0.982313	8.47E-05
3.465909091	0.001770679	599.6029	0.007864	0.000898	0.015171	134.6396	7.07E-05	0.00461686	0.000972	0.00205312	0.3163634	0.000277	0.98097	8.37E-05
3.560606061	0.001355059	598.9919	0.007783	0.000852	0.014661	134.2782	6.84E-05	0.00458943	0.000971	0.00204065	0.3151045	0.000275	0.979804	8.28E-05
3.65530303	0.001272443	598.8705	0.007767	0.000843	0.01456	134.2064	6.79E-05	0.00458398	0.000971	0.00203817	0.3148542	0.000275	0.979572	8.27E-05
3.75	0.001985362	599.9185	0.007906	0.000923	0.015434	134.8263	7.18E-05	0.00463103	0.000972	0.00205956	0.3170137	0.000278	0.981573	8.41E-05
3.84469697	0.001902602	599.7968	0.00789	0.000913	0.015333	134.7543	7.14E-05	0.00462557	0.000972	0.00205708	0.316763	0.000278	0.981341	8.4E-05
3.939393939	0.000928075	598.3643	0.0077	0.000804	0.014138	133.907	6.61E-05	0.00456125	0.000971	0.00202784	0.3138111	0.000274	0.978605	8.19E-05
4.034090909	0.000728523	598.0709	0.007662	0.000782	0.013893	133.7335	6.5E-05	0.00454808	0.000971	0.00202186	0.3132067	0.000273	0.978045	8.15E-05
4.128787879	0.000584107	597.8586	0.007634	0.000765	0.013716	133.6079	6.42E-05	0.00453855	0.000971	0.00201752	0.3127693	0.000272	0.97764	8.12E-05
4.223484848	0.000471553	597.6932	0.007612	0.000753	0.013578	133.51	6.36E-05	0.00453112	0.00097	0.00201415	0.3124283	0.000272	0.977324	8.1E-05
4.318181818	0.000414769	597.6097	0.007601	0.000746	0.013509	133.4606	6.33E-05	0.00452737	0.00097	0.00201244	0.3122563	0.000272	0.977164	8.09E-05
4.412878788	0.000305991	597.4498	0.007579	0.000734	0.013375	133.3661	6.27E-05	0.0045202	0.00097	0.00200918	0.3119268	0.000271	0.976859	8.06E-05
4.507575758	0.000236927	597.3483	0.007566	0.000727	0.01329	133.306	6.23E-05	0.00451564	0.00097	0.00200711	0.3117177	0.000271	0.976665	8.05E-05
4.602272727	9.33E-08	597.0001	0.00752	0.0007	0.013	133.1001	6.1E-05	0.00450001	0.00097	0.002	0.3110003	0.00027	0.976	8E-05
4.696969697	0.000655217	597.9632	0.007647	0.000773	0.013803	133.6697	6.46E-05	0.00454324	0.000971	0.00201966	0.3129847	0.000273	0.977839	8.14E-05
4.791666667	0.000455014	597.6689	0.007608	0.000751	0.013558	133.4956	6.35E-05	0.00453003	0.00097	0.00201365	0.3123782	0.000272	0.977277	8.1E-05
4.886363636	0.000615874	597.9053	0.00764	0.000769	0.013755	133.6355	6.44E-05	0.00454065	0.000971	0.00201848	0.3128655	0.000272	0.977729	8.13E-05
4.981060606	0.000595343	597.8752	0.007636	0.000767	0.01373	133.6177	6.42E-05	0.00453929	0.000971	0.00201786	0.3128033	0.000272	0.977671	8.12E-05
5.075757576	0.000481575	597.7079	0.007614	0.000754	0.01359	133.5187	6.36E-05	0.00453178	0.00097	0.00201445	0.3124587	0.000272	0.977352	8.1E-05
5.170454545	0.000314765	597.4627	0.007581	0.000735	0.013386	133.3737	6.27E-05	0.00452077	0.00097	0.00200944	0.3119534	0.000271	0.976884	8.07E-05
5.265151515	0.000290243	597.4267	0.007576	0.000733	0.013356	133.3524	6.26E-05	0.00451916	0.00097	0.00200871	0.3118791	0.000271	0.976815	8.06E-05
5.359848485	0.000271973	597.3998	0.007573	0.00073	0.013333	133.3365	6.25E-05	0.00451795	0.00097	0.00200816	0.3118238	0.000271	0.976763	8.06E-05
5.454545455	0.000314172	597.4618	0.007581	0.000735	0.013385	133.3732	6.27E-05	0.00452074	0.00097	0.00200943	0.3119516	0.000271	0.976882	8.07E-05
5.549242424	0.000262276	597.3855	0.007571	0.000729	0.013322	133.328	6.24E-05	0.00451731	0.00097	0.00200787	0.3117944	0.000271	0.976736	8.05E-05
5.643939394	0.000203099	597.2986	0.007559	0.000723	0.013249	133.2766	6.21E-05	0.0045134	0.00097	0.00200609	0.3116152	0.000271	0.97657	8.04E-05
5.738636364	0.000177255	597.2606	0.007554	0.00072	0.013217	133.2541	6.2E-05	0.0045117	0.00097	0.00200532	0.3115369	0.000271	0.976498	8.04E-05
5.833333333	1.45E-06	597.0021	0.00752	0.0007	0.013002	133.1013	6.1E-05	0.0045001	0.00097	0.00200004	0.3110044	0.00027	0.976004	8E-05
5.928030303	7.76E-06	597.0114	0.007522	0.000701	0.01301	133.1067	6.1E-05	0.00450051	0.00097	0.00200023	0.3110235	0.00027	0.976022	8E-05
6.022727273	8.00E-05	597.1175	0.007536	0.000709	0.013098	133.1695	6.14E-05	0.00450528	0.00097	0.0020024	0.3112422	0.00027	0.976224	8.02E-05
6.117424242	2.35E-05	597.0346	0.007525	0.000703	0.013029	133.1205	6.11E-05	0.00450155	0.00097	0.00200071	0.3110713	0.00027	0.976066	8E-05
6.212121212	0.000178262	597.262	0.007555	0.00072	0.013219	133.255	6.2E-05	0.00451177	0.00097	0.00200535	0.31154	0.000271	0.9765	8.04E-05
6.306818182	0.000148355	597.2181	0.007549	0.000717	0.013182	133.229	6.18E-05	0.00450979	0.00097	0.00200445	0.3114494	0.000271	0.976416	8.03E-05
6.401515152	0.000121174	597.1781	0.007544	0.000714	0.013149	133.2054	6.17E-05	0.004508	0.00097	0.00200364	0.311367	0.00027	0.97634	8.03E-05
6.496212121	0.000110892	597.163	0.007542	0.000712	0.013136	133.1964	6.16E-05	0.00450732	0.00097	0.00200333	0.3113359	0.00027	0.976311	8.02E-05
6.590909091	8.65E-05	597.1272	0.007537	0.00071	0.013106	133.1753	6.15E-05	0.00450571	0.00097	0.0020026	0.3112622	0.00027	0.976243	8.02E-05
6.685606061	8.16E-05	597.1199	0.007536	0.000709	0.0131	133.1709	6.14E-05	0.00450538	0.00097	0.00200245	0.3112471	0.00027	0.976229	8.02E-05
6.78030303	2.40E-05	597.0353	0.007525	0.000703	0.013029	133.1209	6.11E-05	0.00450159	0.00097	0.00200072	0.3110728	0.00027	0.976067	8.01E-05
6.875	9.65E-05	597.1419	0.007539	0.000711	0.013118	133.1839	6.15E-05	0.00450637	0.00097	0.0020029	0.3112924	0.00027	0.976271	8.02E-05

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
6.96969697	7.55E-05	597.111	0.007535	0.000708	0.013093	133.1657	6.14E-05	0.00450499	0.00097	0.00200227	0.3112288	0.00027	0.976212	8.02E-05
7.064393939	8.96E-07	597.0013	0.00752	0.0007	0.013001	133.1008	6.1E-05	0.00450006	0.00097	0.00200003	0.3110027	0.00027	0.976003	8E-05
7.159090909	2.68E-07	597.0004	0.00752	0.0007	0.013	133.1002	6.1E-05	0.00450002	0.00097	0.00200001	0.3110008	0.00027	0.976001	8E-05
7.253787879	4.43E-08	597.0001	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.3110001	0.00027	0.976	8E-05
7.348484848	4.79E-37	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.443181818	7.44E-26	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.537878788	9.62E-29	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.632575758	1.98E-37	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.727272727	8.03E-34	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.821969697	2.25E-18	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
7.916666667	1.26E-36	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.011363636	5.52E-18	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.106060606	1.80E-18	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.200757576	1.03E-18	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.295454545	8.91E-22	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.390151515	8.34E-29	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.484848485	8.44E-28	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.579545455	1.13E-26	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.674242424	1.42E-25	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.768939394	4.63E-19	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
8.863636364	1.35E-15	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
8.958333333	1.01E-16	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
9.053030303	1.23E-18	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.147727273	7.53E-19	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.242424242	6.85E-17	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
9.337121212	2.05E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
9.431818182	1.19E-17	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.526515152	8.34E-15	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
9.621212121	2.54E-18	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.715909091	6.87E-18	597	0.00752	0.0007	0.013	133.1	0.000061	0.0045	0.00097	0.002	0.311	0.00027	0.976	0.00008
9.810606061	6.09E-10	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
9.90530303	1.56E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
10	2.28E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
10.09469697	1.23E-05	597.0181	0.007522	0.000701	0.013015	133.1107	6.11E-05	0.00450081	0.00097	0.00200037	0.3110373	0.00027	0.976035	8E-05
10.18939394	7.69E-10	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
10.28409091	6.48E-16	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
10.37878788	6.64E-13	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
10.47348485	4.42E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
10.56818182	3.36E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05
10.66287879	4.06E-14	597	0.00752	0.0007	0.013	133.1	6.1E-05	0.0045	0.00097	0.002	0.311	0.00027	0.976	8E-05

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0	0.9384709	1695.552	836.6004	0.105703	0.005185	0.002041	2.883288	0.0039463	0.064439	5.570628356	0.03115413	0.001183	0.040286	0.000824
0.018939394	0.906354666	1648.341	808.6754	0.102102	0.00501	0.001974	2.793138	0.0038192	0.062319	5.473348283	0.03019064	0.001154	0.039705	0.000821
0.037878788	0.86721313	1590.803	774.6418	0.097715	0.004796	0.001892	2.683267	0.0036642	0.059736	5.354788571	0.02901639	0.001118	0.038997	0.000817
0.056818182	0.830838323	1537.332	743.0139	0.093637	0.004598	0.001816	2.581163	0.0035201	0.057335	5.244609279	0.02792515	0.001084	0.038338	0.000813
0.075757576	0.795553207	1485.463	712.3335	0.089682	0.004405	0.001743	2.482118	0.0033804	0.055007	5.137730665	0.0268666	0.001052	0.0377	0.00081
0.09469697	0.779861927	1462.397	698.6899	0.087923	0.004319	0.00171	2.438072	0.0033183	0.053971	5.090201777	0.02639586	0.001037	0.037416	0.000808
0.113636364	0.767904162	1444.819	688.2927	0.086582	0.004254	0.001685	2.404507	0.0032709	0.053182	5.053981708	0.02603712	0.001026	0.037199	0.000807
0.132575758	0.762745261	1437.236	683.807	0.086004	0.004226	0.001674	2.390026	0.0032505	0.052841	5.038355396	0.02588236	0.001022	0.037106	0.000806
0.151515152	0.758112311	1430.425	679.7787	0.085484	0.004201	0.001664	2.377021	0.0032321	0.052535	5.024322191	0.02574337	0.001017	0.037022	0.000806
0.170454545	0.752402246	1422.031	674.8138	0.084844	0.00417	0.001653	2.360993	0.0032095	0.052159	5.007026403	0.02557207	0.001012	0.036918	0.000805
0.189393939	0.745267451	1411.543	668.61	0.084044	0.004131	0.001638	2.340966	0.0031813	0.051688	4.985415109	0.02535802	0.001006	0.036789	0.000805
0.208333333	0.735654056	1397.411	660.2512	0.082967	0.004078	0.001618	2.313981	0.0031432	0.051053	4.956296136	0.02506962	0.000997	0.036615	0.000804
0.227272727	0.72012639	1374.586	646.7499	0.081226	0.003993	0.001585	2.270395	0.0030817	0.050028	4.909262837	0.02460379	0.000983	0.036334	0.000802
0.246212121	0.696348786	1339.633	626.0753	0.078561	0.003864	0.001535	2.203651	0.0029875	0.048459	4.837240474	0.02389046	0.000961	0.035904	0.0008
0.265151515	0.651356995	1273.495	586.9549	0.073517	0.003618	0.001441	2.077359	0.0028094	0.04549	4.700960338	0.02254071	0.000919	0.03509	0.000795
0.284090909	0.617277682	1223.398	557.3229	0.069697	0.003432	0.00137	1.981698	0.0026744	0.04324	4.597734098	0.02151833	0.000888	0.034473	0.000792
0.303030303	0.588113308	1180.527	531.9645	0.066428	0.003273	0.001309	1.899834	0.0025589	0.041315	4.50939521	0.0206434	0.000861	0.033945	0.000789
0.321969697	0.560304463	1139.648	507.7847	0.06331	0.003121	0.001251	1.821775	0.0024488	0.03948	4.425162218	0.01980913	0.000835	0.033442	0.000786
0.340909091	0.532396793	1098.623	483.519	0.060182	0.002969	0.001193	1.743438	0.0023383	0.037638	4.340629887	0.0189719	0.00081	0.032936	0.000783
0.359848485	0.503953576	1056.812	458.7876	0.056993	0.002814	0.001133	1.663598	0.0022257	0.035761	4.254475382	0.01811861	0.000784	0.032422	0.00078
0.378787879	0.487337649	1032.386	444.3401	0.055131	0.002723	0.001099	1.616957	0.0021599	0.034664	4.204145738	0.01762013	0.000768	0.032121	0.000779
0.397727273	0.481021196	1023.101	438.8479	0.054422	0.002688	0.001085	1.599226	0.0021348	0.034247	4.185013202	0.01743064	0.000763	0.032006	0.000778
0.416666667	0.473442286	1011.96	432.2581	0.053573	0.002647	0.001069	1.577952	0.0021048	0.033747	4.162056685	0.01720327	0.000756	0.031869	0.000777
0.435606061	0.4675605	1003.314	427.1439	0.052914	0.002615	0.001057	1.561442	0.0020815	0.033359	4.144240754	0.01702681	0.00075	0.031763	0.000777
0.454545455	0.46276322	996.2619	422.9726	0.052376	0.002589	0.001047	1.547976	0.0020625	0.033042	4.129709794	0.0168829	0.000746	0.031676	0.000776
0.473484848	0.458266616	989.6519	419.0628	0.051872	0.002564	0.001038	1.535354	0.0020447	0.032746	4.116089579	0.016748	0.000742	0.031595	0.000776
0.492424242	0.453582734	982.7666	414.9902	0.051347	0.002539	0.001028	1.522207	0.0020262	0.032436	4.101902101	0.01660748	0.000737	0.03151	0.000775
0.511363636	0.449980706	977.4716	411.8582	0.050943	0.002519	0.00102	1.512096	0.0020119	0.032199	4.090991558	0.01649942	0.000734	0.031445	0.000775
0.53030303	0.448047698	974.6301	410.1775	0.050726	0.002508	0.001016	1.50667	0.0020043	0.032071	4.085136476	0.01644143	0.000732	0.03141	0.000775
0.549242424	0.445917904	971.4993	408.3256	0.050487	0.002497	0.001012	1.500692	0.0019958	0.031931	4.078685332	0.01637754	0.00073	0.031371	0.000775
0.568181818	0.443560988	968.0347	406.2763	0.050223	0.002484	0.001007	1.494076	0.0019865	0.031775	4.071546232	0.01630683	0.000728	0.031328	0.000774
0.587121212	0.440934449	964.1736	403.9925	0.049929	0.00247	0.001002	1.486703	0.0019761	0.031602	4.063590447	0.01622803	0.000726	0.031281	0.000774
0.606060606	0.438000262	959.8604	401.4412	0.0496	0.002454	0.000995	1.478467	0.0019645	0.031408	4.054702793	0.01614001	0.000723	0.031228	0.000774
0.625	0.435798168	956.6233	399.5265	0.049353	0.002442	0.000991	1.472285	0.0019558	0.031263	4.048032651	0.01607395	0.000721	0.031188	0.000774
0.643939394	0.433865011	953.7816	397.8456	0.049136	0.002431	0.000987	1.466859	0.0019481	0.031135	4.042177118	0.01601595	0.000719	0.031153	0.000773
0.662878788	0.431371093	950.1155	395.6772	0.048857	0.002417	0.000982	1.459859	0.0019382	0.03097	4.03462304	0.01594113	0.000717	0.031108	0.000773
0.681818182	0.42776823	944.8193	392.5445	0.048453	0.002398	0.000974	1.449745	0.001924	0.030733	4.02370997	0.01583305	0.000714	0.031043	0.000773
0.700757576	0.42135635	935.3938	386.9693	0.047734	0.002363	0.000961	1.431747	0.0018986	0.03031	4.004288385	0.01564069	0.000708	0.030927	0.000772
0.71969697	0.4099603	918.6416	377.0605	0.046457	0.002301	0.000937	1.399759	0.0018534	0.029557	3.969769748	0.01529881	0.000697	0.03072	0.000771
0.738636364	0.41735822	929.5166	383.493	0.047286	0.002341	0.000952	1.420525	0.0018827	0.030046	3.992178047	0.01552075	0.000704	0.030854	0.000772
0.757575758	0.395032495	896.6978	364.0808	0.044783	0.002219	0.000906	1.357856	0.0017943	0.028572	3.924553428	0.01485097	0.000683	0.03045	0.00077

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0.776515152	0.392248213	892.6049	361.6598	0.044471	0.002204	0.0009	1.350041	0.0017833	0.028388	3.916119838	0.01476745	0.000681	0.0304	0.000769
0.795454545	0.389041632	887.8912	358.8717	0.044112	0.002186	0.000893	1.34104	0.0017706	0.028177	3.906407105	0.01467125	0.000678	0.030342	0.000769
0.814393939	0.385618538	882.8593	355.8953	0.043728	0.002168	0.000886	1.331431	0.001757	0.027951	3.896038551	0.01456856	0.000675	0.03028	0.000769
0.833333333	0.382306546	877.9906	353.0155	0.043357	0.00215	0.000879	1.322134	0.0017439	0.027732	3.886006528	0.0144692	0.000672	0.03022	0.000768
0.852272727	0.380259544	874.9815	351.2357	0.043127	0.002138	0.000875	1.316389	0.0017358	0.027597	3.879806158	0.01440779	0.00067	0.030183	0.000768
0.871212121	0.377962261	871.6045	349.2382	0.04287	0.002126	0.00087	1.30994	0.0017267	0.027446	3.87284769	0.01433887	0.000668	0.030141	0.000768
0.890151515	0.375282347	867.6651	346.908	0.042569	0.002111	0.000864	1.302418	0.0017161	0.027269	3.86473023	0.01425847	0.000665	0.030093	0.000768
0.909090909	0.372235626	863.1864	344.2589	0.042228	0.002095	0.000858	1.293865	0.0017041	0.027068	3.855501711	0.01416707	0.000662	0.030037	0.000767
0.928030303	0.369367093	858.9696	341.7647	0.041906	0.002079	0.000852	1.285813	0.0016927	0.026878	3.846812924	0.01408101	0.00066	0.029986	0.000767
0.946969697	0.366176933	854.2801	338.9908	0.041548	0.002062	0.000845	1.276859	0.0016801	0.026668	3.83714993	0.01398531	0.000657	0.029928	0.000767
0.965909091	0.363399774	850.1977	336.5761	0.041237	0.002046	0.00084	1.269063	0.0016691	0.026484	3.828737915	0.01390199	0.000654	0.029878	0.000766
0.984848485	0.359959424	845.1404	333.5847	0.040851	0.002028	0.000832	1.259406	0.0016554	0.026257	3.818317094	0.01379878	0.000651	0.029815	0.000766
1.003787879	0.35158062	832.8235	326.2993	0.039912	0.001982	0.000815	1.235887	0.0016223	0.025704	3.792937697	0.01354742	0.000643	0.029664	0.000765
1.022727273	0.356804669	840.5029	330.8417	0.040498	0.00201	0.000826	1.250551	0.0016429	0.026049	3.808761342	0.01370414	0.000648	0.029758	0.000766
1.041666667	0.33406806	807.08	311.0722	0.037949	0.001886	0.000778	1.186729	0.0015529	0.024548	3.739892154	0.01302204	0.000627	0.029347	0.000763
1.060606061	0.332209885	804.3485	309.4565	0.037741	0.001876	0.000774	1.181513	0.0015456	0.024426	3.734263742	0.0129663	0.000626	0.029313	0.000763
1.079545455	0.329772979	800.7663	307.3376	0.037468	0.001863	0.000769	1.174673	0.0015359	0.024265	3.726882353	0.01289319	0.000623	0.029269	0.000763
1.098484848	0.326893657	796.5337	304.834	0.037145	0.001847	0.000763	1.16659	0.0015245	0.024075	3.718160888	0.01280681	0.000621	0.029217	0.000763
1.117424242	0.324084491	792.4042	302.3915	0.03683	0.001832	0.000757	1.158705	0.0015134	0.02389	3.709651922	0.01272253	0.000618	0.029166	0.000762
1.136363636	0.321098447	788.0147	299.7951	0.036495	0.001816	0.000751	1.150323	0.0015015	0.023692	3.700607195	0.01263295	0.000615	0.029112	0.000762
1.15530303	0.31752497	782.7617	296.688	0.036095	0.001796	0.000744	1.140293	0.0014874	0.023457	3.689783133	0.01252575	0.000612	0.029047	0.000762
1.174242424	0.312117964	774.8134	291.9866	0.035488	0.001767	0.000732	1.125115	0.001466	0.0231	3.673405313	0.01236354	0.000607	0.028949	0.000761
1.193181818	0.306916147	767.1667	287.4636	0.034905	0.001738	0.000721	1.110514	0.0014454	0.022756	3.657649011	0.01220748	0.000602	0.028855	0.000761
1.212121212	0.304414123	763.4888	285.2881	0.034625	0.001724	0.000716	1.10349	0.0014355	0.022591	3.650070379	0.01213242	0.0006	0.02881	0.00076
1.231060606	0.302756071	761.0514	283.8464	0.034439	0.001715	0.000713	1.098836	0.0014289	0.022482	3.645048139	0.01208268	0.000599	0.02878	0.00076
1.25	0.300682902	758.0039	282.0438	0.034207	0.001704	0.000708	1.093017	0.0014207	0.022345	3.638768511	0.01202049	0.000597	0.028742	0.00076
1.268939394	0.296117514	751.2927	278.0742	0.033695	0.001679	0.000699	1.080202	0.0014026	0.022044	3.624939951	0.01188353	0.000592	0.02866	0.00076
1.287878788	0.286852032	737.6725	270.0178	0.032656	0.001629	0.00068	1.054194	0.0013659	0.021432	3.596874805	0.01160556	0.000584	0.028492	0.000759
1.306818182	0.288751572	740.4648	271.6695	0.032869	0.001639	0.000683	1.059526	0.0013735	0.021558	3.602628513	0.01166255	0.000586	0.028526	0.000759
1.325757576	0.273462594	717.99	258.3757	0.031155	0.001556	0.000652	1.01661	0.0013129	0.020549	3.556318196	0.01120388	0.000572	0.02825	0.000757
1.34469697	0.268343657	710.4652	253.9248	0.030581	0.001528	0.000641	1.002241	0.0012926	0.020211	3.540812938	0.01105031	0.000567	0.028157	0.000757
1.363636364	0.262972534	702.5696	249.2546	0.029979	0.001498	0.00063	0.987164	0.0012714	0.019856	3.524543805	0.01088918	0.000562	0.02806	0.000756
1.382575758	0.257486016	694.5044	244.4841	0.029364	0.001468	0.000618	0.971763	0.0012496	0.019494	3.507925141	0.01072458	0.000557	0.02796	0.000756
1.401515152	0.258540988	696.0553	245.4014	0.029482	0.001474	0.00062	0.974725	0.0012538	0.019564	3.511120653	0.01075623	0.000558	0.02798	0.000756
1.420454545	0.255454391	691.518	242.7176	0.029136	0.001457	0.000614	0.96606	0.0012416	0.01936	3.501771351	0.01066363	0.000555	0.027924	0.000756
1.439393939	0.254012197	689.3979	241.4636	0.028975	0.001449	0.000611	0.962012	0.0012359	0.019265	3.497402945	0.01062037	0.000554	0.027898	0.000755
1.458333333	0.250907838	684.8345	238.7644	0.028627	0.001432	0.000604	0.953298	0.0012236	0.01906	3.487999842	0.01052724	0.000551	0.027841	0.000755
1.477272727	0.246935174	678.9947	235.3101	0.028181	0.001411	0.000596	0.942147	0.0012079	0.018798	3.475966642	0.01040806	0.000547	0.02777	0.000755
1.496212121	0.246293992	678.0522	234.7526	0.02811	0.001407	0.000595	0.940347	0.0012053	0.018755	3.474024501	0.01038882	0.000547	0.027758	0.000755
1.515151515	0.245600909	677.0333	234.15	0.028032	0.001403	0.000593	0.938402	0.0012026	0.01871	3.471925153	0.01036803	0.000546	0.027745	0.000755
1.534090909	0.244278938	675.09	233.0005	0.027884	0.001396	0.000591	0.934691	0.0011973	0.018622	3.467920902	0.01032837	0.000545	0.027721	0.000754

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
1.553030303	0.241516665	671.0295	230.5987	0.027574	0.001381	0.000585	0.926937	0.0011864	0.01844	3.459553977	0.0102455	0.000542	0.027671	0.000754
1.571969697	0.238081113	665.9792	227.6115	0.027189	0.001362	0.000578	0.917294	0.0011728	0.018213	3.44914769	0.01014243	0.000539	0.027609	0.000754
1.590909091	0.238274649	666.2637	227.7798	0.027211	0.001364	0.000578	0.917837	0.0011736	0.018226	3.449733911	0.01014824	0.000539	0.027613	0.000754
1.609848485	0.236104533	663.0737	225.8929	0.026967	0.001352	0.000573	0.911745	0.001165	0.018083	3.443160631	0.01008314	0.000537	0.027573	0.000754
1.628787879	0.233940378	659.8924	224.0112	0.026725	0.00134	0.000569	0.905671	0.0011564	0.01794	3.436605404	0.01001821	0.000535	0.027534	0.000753
1.647727273	0.230901867	655.4257	221.3692	0.026384	0.001323	0.000563	0.897142	0.0011444	0.01774	3.427401756	0.00992706	0.000532	0.027479	0.000753
1.666666667	0.222862661	643.6081	214.3791	0.025483	0.001279	0.000546	0.874575	0.0011125	0.017209	3.403051	0.00968588	0.000525	0.027334	0.000752
1.685606061	0.224928364	646.6447	216.1752	0.025714	0.001291	0.00055	0.880374	0.0011207	0.017345	3.409308015	0.00974785	0.000527	0.027371	0.000752
1.704545455	0.220577478	640.2489	212.3921	0.025227	0.001267	0.000541	0.868161	0.0011035	0.017058	3.396129182	0.00961732	0.000523	0.027292	0.000752
1.723484848	0.219839185	639.1636	211.7502	0.025144	0.001263	0.000539	0.866089	0.0011006	0.017009	3.393892893	0.00959518	0.000522	0.027279	0.000752
1.742424242	0.21862261	637.3752	210.6924	0.025008	0.001256	0.000537	0.862674	0.0010957	0.016929	3.390207886	0.00955868	0.000521	0.027257	0.000752
1.761363636	0.216014028	633.5406	208.4242	0.024715	0.001242	0.000531	0.855351	0.0010854	0.016757	3.38230649	0.00948042	0.000519	0.02721	0.000752
1.78030303	0.216917872	634.8693	209.2101	0.024816	0.001247	0.000533	0.857888	0.001089	0.016817	3.385044236	0.00950754	0.00052	0.027226	0.000752
1.799242424	0.20954521	624.0315	202.7996	0.02399	0.001207	0.000518	0.837193	0.0010598	0.01633	3.362712441	0.00928636	0.000513	0.027093	0.000751
1.818181818	0.20934315	623.7344	202.6239	0.023967	0.001206	0.000518	0.836626	0.001059	0.016317	3.362100402	0.00928029	0.000513	0.027089	0.000751
1.837121212	0.209153235	623.4553	202.4587	0.023946	0.001205	0.000517	0.836093	0.0010582	0.016304	3.361525149	0.0092746	0.000512	0.027086	0.000751
1.856060606	0.208868682	623.037	202.2113	0.023914	0.001203	0.000517	0.835294	0.0010571	0.016285	3.360663239	0.00926606	0.000512	0.027081	0.000751
1.875	0.208549947	622.5684	201.9342	0.023878	0.001201	0.000516	0.8344	0.0010559	0.016264	3.359697788	0.0092565	0.000512	0.027075	0.000751
1.893939394	0.208252624	622.1314	201.6757	0.023845	0.0012	0.000515	0.833565	0.0010547	0.016245	3.358797197	0.00924758	0.000512	0.027069	0.000751
1.912878788	0.207782403	621.4401	201.2668	0.023792	0.001197	0.000514	0.832245	0.0010528	0.016214	3.357372898	0.00923347	0.000511	0.027061	0.000751
1.931818182	0.20701094	620.3061	200.596	0.023706	0.001193	0.000513	0.83008	0.0010498	0.016163	3.355036136	0.00921033	0.00051	0.027047	0.000751
1.950757576	0.206602052	619.705	200.2405	0.02366	0.001191	0.000512	0.828932	0.0010481	0.016136	3.353797615	0.00919806	0.00051	0.027039	0.000751
1.96969697	0.206402078	619.4111	200.0666	0.023638	0.00119	0.000511	0.828371	0.0010474	0.016123	3.353191895	0.00919206	0.00051	0.027036	0.000751
1.988636364	0.206207037	619.1243	199.897	0.023616	0.001188	0.000511	0.827823	0.0010466	0.01611	3.352601115	0.00918621	0.00051	0.027032	0.000751
2.007575758	0.205966815	618.7712	199.6881	0.023589	0.001187	0.00051	0.827149	0.0010456	0.016094	3.351873484	0.009179	0.000509	0.027028	0.000751
2.026515152	0.205602989	618.2364	199.3718	0.023548	0.001185	0.00051	0.826128	0.0010442	0.01607	3.350771452	0.00916809	0.000509	0.027021	0.000751
2.045454545	0.204712227	616.927	198.5973	0.023448	0.00118	0.000508	0.823627	0.0010407	0.016011	3.348073336	0.00914137	0.000508	0.027005	0.00075
2.064393939	0.204506308	616.6243	198.4182	0.023425	0.001179	0.000507	0.823049	0.0010398	0.015997	3.347449606	0.00913519	0.000508	0.027002	0.00075
2.083333333	0.204044521	615.9454	198.0167	0.023373	0.001177	0.000506	0.821753	0.001038	0.015967	3.346050854	0.00912134	0.000508	0.026993	0.00075
2.102272727	0.203558758	615.2314	197.5943	0.023319	0.001174	0.000505	0.820389	0.0010361	0.015935	3.344579478	0.00910676	0.000507	0.026984	0.00075
2.121212121	0.203019097	614.4381	197.1251	0.023258	0.001171	0.000504	0.818875	0.001034	0.015899	3.342944846	0.00909057	0.000507	0.026975	0.00075
2.140151515	0.202394977	613.5206	196.5824	0.023188	0.001168	0.000503	0.817123	0.0010315	0.015858	3.341054386	0.00907185	0.000506	0.026963	0.00075
2.159090909	0.201851979	612.7224	196.1103	0.023128	0.001165	0.000502	0.815599	0.0010293	0.015822	3.339409644	0.00905556	0.000506	0.026954	0.00075
2.178030303	0.2014727	612.1649	195.7805	0.023085	0.001163	0.000501	0.814534	0.0010278	0.015797	3.338260807	0.00904418	0.000505	0.026947	0.00075
2.196969697	0.201020062	611.4995	195.3869	0.023034	0.00116	0.0005	0.813263	0.001026	0.015767	3.336889768	0.0090306	0.000505	0.026938	0.00075
2.215909091	0.200322762	610.4745	194.7806	0.022956	0.001156	0.000499	0.811306	0.0010233	0.015721	3.334777646	0.00900968	0.000504	0.026926	0.00075
2.234848485	0.19990097	609.8544	194.4139	0.022909	0.001154	0.000498	0.810122	0.0010216	0.015693	3.333500038	0.00899703	0.000504	0.026918	0.00075
2.253787879	0.199511126	609.2814	194.0749	0.022865	0.001152	0.000497	0.809028	0.0010201	0.015668	3.3323192	0.00898533	0.000504	0.026911	0.00075
2.272727273	0.199032113	608.5772	193.6584	0.022811	0.001149	0.000496	0.807683	0.0010182	0.015636	3.33086827	0.00897096	0.000503	0.026902	0.00075
2.291666667	0.198446184	607.7159	193.149	0.022746	0.001146	0.000495	0.806038	0.0010158	0.015597	3.329093493	0.00895339	0.000503	0.026892	0.00075
2.310606061	0.197797284	606.762	192.5847	0.022673	0.001143	0.000493	0.804217	0.0010133	0.015555	3.327127972	0.00893392	0.000502	0.02688	0.00075

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
2.329545455	0.197295189	606.0239	192.1482	0.022617	0.00114	0.000492	0.802808	0.0010113	0.015521	3.325607127	0.00891886	0.000502	0.026871	0.00075
2.348484848	0.196872711	605.4029	191.7808	0.022569	0.001138	0.000491	0.801622	0.0010096	0.015494	3.324327442	0.00890618	0.000501	0.026863	0.00075
2.367424242	0.196548373	604.9261	191.4988	0.022533	0.001136	0.000491	0.800711	0.0010083	0.015472	3.32334502	0.00889645	0.000501	0.026858	0.00075
2.386363636	0.196289942	604.5462	191.2741	0.022504	0.001134	0.00049	0.799986	0.0010073	0.015455	3.322562233	0.0088887	0.000501	0.026853	0.00075
2.40530303	0.195952252	604.0498	190.9805	0.022466	0.001133	0.00049	0.799038	0.001006	0.015433	3.32153937	0.00887857	0.0005	0.026847	0.00075
2.424242424	0.195698693	603.6771	190.76	0.022438	0.001131	0.000489	0.798326	0.001005	0.015416	3.320771342	0.00887096	0.0005	0.026842	0.00075
2.443181818	0.195516124	603.4087	190.6013	0.022417	0.00113	0.000489	0.797814	0.0010042	0.015404	3.320218341	0.00886548	0.0005	0.026839	0.00075
2.462121212	0.195318311	603.1179	190.4293	0.022395	0.001129	0.000488	0.797259	0.0010035	0.015391	3.319619165	0.00885955	0.0005	0.026835	0.00075
2.481060606	0.195062116	602.7413	190.2065	0.022366	0.001128	0.000488	0.796539	0.0010024	0.015374	3.318843149	0.00885186	0.000499	0.026831	0.00075
2.5	0.19475317	602.2872	189.9379	0.022332	0.001126	0.000487	0.795672	0.0010012	0.015354	3.317907352	0.0088426	0.000499	0.026825	0.000749
2.518939394	0.194393948	601.7591	189.6255	0.022292	0.001124	0.000486	0.794664	0.0009998	0.01533	3.316819268	0.00883182	0.000499	0.026819	0.000749
2.537878788	0.19397831	601.1481	189.2641	0.022245	0.001122	0.000485	0.793497	0.0009982	0.015303	3.3155603	0.00881935	0.000498	0.026811	0.000749
2.556818182	0.193510517	600.4605	188.8574	0.022193	0.001119	0.000484	0.792184	0.0009963	0.015272	3.314143357	0.00880532	0.000498	0.026803	0.000749
2.575757576	0.193013519	599.7299	188.4253	0.022137	0.001116	0.000483	0.790789	0.0009943	0.015239	3.312637949	0.00879041	0.000498	0.026794	0.000749
2.59469697	0.19237487	598.7911	187.8699	0.022065	0.001113	0.000482	0.788996	0.0009918	0.015197	3.310703482	0.00877125	0.000497	0.026782	0.000749
2.613636364	0.19212243	598.42	187.6505	0.022037	0.001112	0.000482	0.788288	0.0009908	0.01518	3.309938839	0.00876367	0.000497	0.026777	0.000749
2.632575758	0.191956878	598.1766	187.5065	0.022018	0.001111	0.000481	0.787823	0.0009901	0.015169	3.309437383	0.00875871	0.000497	0.026774	0.000749
2.651515152	0.19176048	597.8879	187.3357	0.021996	0.00111	0.000481	0.787272	0.0009894	0.015156	3.308842495	0.00875281	0.000496	0.026771	0.000749
2.670454545	0.191492811	597.4944	187.103	0.021966	0.001108	0.00048	0.78652	0.0009883	0.015139	3.308031724	0.00874478	0.000496	0.026766	0.000749
2.689393939	0.191103563	596.9222	186.7645	0.021923	0.001106	0.000479	0.785428	0.0009868	0.015113	3.306852691	0.00873311	0.000496	0.026759	0.000749
2.708333333	0.19060263	596.1859	186.329	0.021867	0.001103	0.000478	0.784022	0.0009848	0.01508	3.305335367	0.00871808	0.000495	0.02675	0.000749
2.727272727	0.189980954	595.272	185.7884	0.021797	0.0011	0.000477	0.782277	0.0009823	0.015039	3.303452309	0.00869943	0.000495	0.026739	0.000749
2.746212121	0.189227223	594.164	185.1331	0.021712	0.001096	0.000475	0.780161	0.0009793	0.014989	3.30116926	0.00867682	0.000494	0.026725	0.000749
2.765151515	0.188354373	592.8809	184.3741	0.021615	0.001091	0.000474	0.777711	0.0009759	0.014931	3.298525396	0.00865063	0.000493	0.026709	0.000749
2.784090909	0.187450781	591.5526	183.5885	0.021513	0.001086	0.000472	0.775174	0.0009723	0.014872	3.295788417	0.00862352	0.000492	0.026693	0.000749
2.803030303	0.187131137	591.0828	183.3105	0.021477	0.001084	0.000471	0.774277	0.000971	0.014851	3.294820213	0.00861393	0.000492	0.026687	0.000749
2.821969697	0.186820149	590.6256	183.0401	0.021443	0.001083	0.00047	0.773404	0.0009698	0.01483	3.293878233	0.0086046	0.000492	0.026681	0.000749
2.840909091	0.186579213	590.2714	182.8306	0.021416	0.001081	0.00047	0.772728	0.0009689	0.014814	3.293148435	0.00859738	0.000492	0.026677	0.000749
2.859848485	0.186286405	589.841	182.576	0.021383	0.00108	0.000469	0.771906	0.0009677	0.014795	3.29226152	0.00858859	0.000491	0.026672	0.000749
2.878787879	0.185901374	589.275	182.2412	0.02134	0.001078	0.000469	0.770825	0.0009662	0.014769	3.291095261	0.00857704	0.000491	0.026665	0.000749
2.897727273	0.18541126	588.5546	181.8151	0.021285	0.001075	0.000468	0.769449	0.0009642	0.014737	3.289610705	0.00856234	0.000491	0.026656	0.000749
2.916666667	0.184941292	587.8637	181.4065	0.021232	0.001072	0.000467	0.76813	0.0009624	0.014706	3.288187173	0.00854824	0.00049	0.026647	0.000748
2.935606061	0.184528574	587.257	181.0476	0.021186	0.00107	0.000466	0.766972	0.0009607	0.014679	3.286937052	0.00853586	0.00049	0.02664	0.000748
2.954545455	0.184091792	586.6149	180.6678	0.021137	0.001068	0.000465	0.765746	0.000959	0.01465	3.285614036	0.00852275	0.000489	0.026632	0.000748
2.973484848	0.18373464	586.0899	180.3573	0.021097	0.001066	0.000464	0.764743	0.0009576	0.014626	3.284532226	0.00851204	0.000489	0.026626	0.000748
2.992424242	0.18363741	585.947	180.2727	0.021086	0.001065	0.000464	0.76447	0.0009572	0.01462	3.284237716	0.00850912	0.000489	0.026624	0.000748
3.087121212	0.179546595	579.9335	176.7158	0.020627	0.001043	0.000455	0.752987	0.000941	0.01435	3.271846635	0.0083864	0.000485	0.02655	0.000748
3.181818182	0.176140413	574.9264	173.7541	0.020245	0.001024	0.000448	0.743426	0.0009275	0.014125	3.26152931	0.00828421	0.000482	0.026488	0.000748
3.276515152	0.169954389	565.833	168.3753	0.019552	0.000991	0.000435	0.726062	0.000903	0.013717	3.242791845	0.00809863	0.000476	0.026376	0.000747
3.371212121	0.164873466	558.364	163.9575	0.018982	0.000963	0.000425	0.7118	0.0008829	0.013382	3.227401728	0.0079462	0.000472	0.026284	0.000746
3.465909091	0.161918253	554.0198	161.3879	0.018651	0.000947	0.000418	0.703505	0.0008712	0.013187	3.218450387	0.00785755	0.000469	0.026231	0.000746

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
3.560606061	0.157712445	547.8373	157.731	0.01818	0.000924	0.00041	0.691699	0.0008545	0.012909	3.205710995	0.00773137	0.000465	0.026155	0.000746
3.65530303	0.15322265	541.2373	153.8271	0.017676	0.000899	0.0004	0.679096	0.0008368	0.012613	3.192111408	0.00759668	0.000461	0.026073	0.000745
3.75	0.147622079	533.0045	148.9574	0.017048	0.000869	0.000389	0.663375	0.0008146	0.012243	3.175147276	0.00742866	0.000456	0.025972	0.000745
3.84469697	0.140789628	522.9608	143.0166	0.016283	0.000831	0.000374	0.644196	0.0007875	0.011792	3.154451783	0.00722369	0.00045	0.025848	0.000744
3.939393939	0.140275538	522.205	142.5696	0.016225	0.000829	0.000373	0.642753	0.0007855	0.011758	3.152894605	0.00720827	0.000449	0.025839	0.000744
4.034090909	0.139446378	520.9862	141.8486	0.016132	0.000824	0.000371	0.640426	0.0007822	0.011703	3.150383078	0.00718339	0.000448	0.025824	0.000744
4.128787879	0.137505636	518.1333	140.1612	0.015914	0.000814	0.000367	0.634978	0.0007745	0.011575	3.14450457	0.00712517	0.000447	0.025789	0.000744
4.223484848	0.135341704	514.9523	138.2796	0.015672	0.000802	0.000363	0.628904	0.000766	0.011433	3.137950021	0.00706025	0.000445	0.02575	0.000744
4.318181818	0.133123562	511.6916	136.3509	0.015423	0.00079	0.000358	0.622678	0.0007572	0.011286	3.131231269	0.00699371	0.000442	0.02571	0.000743
4.412878788	0.130208284	507.4062	133.8161	0.015096	0.000774	0.000352	0.614495	0.0007456	0.011094	3.122400891	0.00690625	0.00044	0.025657	0.000743
4.507575758	0.128263891	504.5479	132.1255	0.014878	0.000763	0.000348	0.609037	0.0007379	0.010965	3.116511325	0.00684792	0.000438	0.025622	0.000743
4.602272727	0.127367213	503.2298	131.3458	0.014778	0.000758	0.000346	0.60652	0.0007344	0.010906	3.113795289	0.00682102	0.000437	0.025605	0.000743
4.696969697	0.12640959	501.8221	130.5131	0.014671	0.000753	0.000344	0.603832	0.0007306	0.010843	3.110894649	0.00679229	0.000436	0.025588	0.000743
4.791666667	0.12564145	500.6929	129.8452	0.014584	0.000749	0.000343	0.601676	0.0007275	0.010792	3.108567953	0.00676924	0.000436	0.025574	0.000743
4.886363636	0.124940641	499.6627	129.2359	0.014506	0.000745	0.000341	0.599708	0.0007248	0.010746	3.106445202	0.00674822	0.000435	0.025561	0.000742
4.981060606	0.120701976	493.4319	125.5504	0.014031	0.000722	0.000332	0.58781	0.000708	0.010466	3.093606286	0.00662106	0.000431	0.025485	0.000742
5.075757576	0.120248444	492.7652	125.156	0.01398	0.000719	0.000331	0.586537	0.0007062	0.010436	3.092232538	0.00660745	0.000431	0.025476	0.000742
5.170454545	0.119405702	491.5264	124.4233	0.013885	0.000715	0.00033	0.584172	0.0007028	0.010381	3.089679871	0.00658217	0.00043	0.025461	0.000742
5.265151515	0.118762322	490.5806	123.8638	0.013813	0.000711	0.000328	0.582366	0.0007003	0.010338	3.087731073	0.00656287	0.000429	0.02545	0.000742
5.359848485	0.117225476	488.3214	122.5276	0.013641	0.000703	0.000325	0.578052	0.0006942	0.010237	3.083075966	0.00651676	0.000428	0.025422	0.000742
5.454545455	0.115402818	485.6421	120.9428	0.013437	0.000693	0.000321	0.572936	0.000687	0.010117	3.077555135	0.00646208	0.000426	0.025389	0.000742
5.549242424	0.114658974	484.5487	120.296	0.013353	0.000689	0.00032	0.570848	0.000684	0.010067	3.075302033	0.00643977	0.000425	0.025375	0.000741
5.643939394	0.114010982	483.5961	119.7325	0.013281	0.000685	0.000318	0.569029	0.0006815	0.010025	3.073339265	0.00642033	0.000425	0.025364	0.000741
5.738636364	0.110773504	478.8371	116.9176	0.012918	0.000668	0.000312	0.559941	0.0006687	0.009811	3.063532943	0.00632321	0.000422	0.025305	0.000741
5.833333333	0.110251375	478.0695	116.4636	0.012859	0.000665	0.00031	0.558476	0.0006666	0.009777	3.061951413	0.00630754	0.000421	0.025296	0.000741
5.928030303	0.109698273	477.2565	115.9826	0.012797	0.000662	0.000309	0.556923	0.0006644	0.00974	3.06027607	0.00629095	0.000421	0.025286	0.000741
6.022727273	0.108126827	474.9464	114.6163	0.012621	0.000653	0.000306	0.552512	0.0006582	0.009636	3.055516158	0.0062438	0.000419	0.025257	0.000741
6.117424242	0.10672731	472.8891	113.3994	0.012464	0.000646	0.000303	0.548584	0.0006526	0.009544	3.051277021	0.00620182	0.000418	0.025232	0.000741
6.212121212	0.106150746	472.0416	112.8981	0.012399	0.000642	0.000302	0.546965	0.0006504	0.009506	3.049530611	0.00618452	0.000418	0.025221	0.000741
6.306818182	0.104623102	469.796	111.5698	0.012228	0.000634	0.000299	0.542677	0.0006443	0.009405	3.044903375	0.00613869	0.000416	0.025194	0.00074
6.401515152	0.10311529	467.5795	110.2587	0.012059	0.000626	0.000296	0.538445	0.0006383	0.009306	3.040336215	0.00609346	0.000415	0.025166	0.00074
6.496212121	0.102294512	466.3729	109.5451	0.011967	0.000621	0.000294	0.536141	0.0006351	0.009251	3.037850077	0.00606884	0.000414	0.025152	0.00074
6.590909091	0.101285897	464.8903	108.6681	0.011854	0.000616	0.000292	0.53331	0.0006311	0.009185	3.034794983	0.00603858	0.000413	0.025133	0.00074
6.685606061	0.099644214	462.477	107.2406	0.01167	0.000607	0.000288	0.528701	0.0006246	0.009077	3.029822324	0.00598933	0.000412	0.025104	0.00074
6.78030303	0.098781966	461.2095	106.4909	0.011573	0.000602	0.000286	0.526281	0.0006212	0.00902	3.027210574	0.00596346	0.000411	0.025088	0.00074
6.875	0.097887069	459.894	105.7128	0.011473	0.000597	0.000285	0.523769	0.0006176	0.008961	3.024499932	0.00593661	0.00041	0.025072	0.00074
6.96969697	0.096986495	458.5701	104.9298	0.011372	0.000592	0.000283	0.521241	0.0006141	0.008901	3.021772093	0.00590959	0.000409	0.025055	0.00074
7.064393939	0.096085601	457.2458	104.1464	0.011271	0.000587	0.000281	0.518712	0.0006105	0.008842	3.019043284	0.00588257	0.000408	0.025039	0.00074
7.159090909	0.095185786	455.9231	103.364	0.01117	0.000583	0.000279	0.516187	0.0006069	0.008782	3.016317747	0.00585557	0.000408	0.025023	0.00074
7.253787879	0.094287112	454.6021	102.5826	0.01107	0.000578	0.000277	0.513664	0.0006034	0.008723	3.013595663	0.00582861	0.000407	0.025007	0.000739
7.348484848	0.093389481	453.2825	101.8022	0.010969	0.000573	0.000275	0.511144	0.0005998	0.008664	3.010876739	0.00580168	0.000406	0.02499	0.000739

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
7.443181818	0.092492931	451.9646	101.0226	0.010868	0.000568	0.000273	0.508628	0.0005963	0.008605	3.008161087	0.00577479	0.000405	0.024974	0.000739
7.537878788	0.09159743	450.6482	100.244	0.010768	0.000563	0.000271	0.506114	0.0005927	0.008545	3.005448617	0.00574792	0.000404	0.024958	0.000739
7.632575758	0.090702437	449.3326	99.46577	0.010668	0.000558	0.00027	0.503602	0.0005892	0.008486	3.002737681	0.00572107	0.000403	0.024942	0.000739
7.727272727	0.089807488	448.017	98.68761	0.010567	0.000553	0.000268	0.50109	0.0005856	0.008427	3.000026881	0.00569422	0.000403	0.024926	0.000739
7.821969697	0.088911824	446.7004	97.90883	0.010467	0.000548	0.000266	0.498575	0.0005821	0.008368	2.997313915	0.00566735	0.000402	0.024909	0.000739
7.916666667	0.088015452	445.3827	97.12944	0.010367	0.000543	0.000264	0.496059	0.0005785	0.008309	2.994598804	0.00564046	0.000401	0.024893	0.000739
8.011363636	0.087090857	444.0236	96.3255	0.010263	0.000538	0.000262	0.493464	0.0005749	0.008248	2.991798207	0.00561273	0.0004	0.024876	0.000739
8.106060606	0.086367756	442.9606	95.69676	0.010182	0.000534	0.000261	0.491434	0.000572	0.0082	2.989607933	0.00559103	0.000399	0.024863	0.000739
8.200757576	0.085401312	441.5399	94.85644	0.010073	0.000529	0.000258	0.488721	0.0005682	0.008136	2.986680573	0.00556204	0.000399	0.024846	0.000739
8.295454545	0.083689742	439.0239	93.36823	0.009882	0.00052	0.000255	0.483917	0.0005614	0.008024	2.981496228	0.00551069	0.000397	0.024815	0.000738
8.390151515	0.082808211	437.7281	92.60174	0.009783	0.000515	0.000253	0.481443	0.0005579	0.007965	2.978826072	0.00548425	0.000396	0.024799	0.000738
8.484848485	0.082082689	436.6616	91.9709	0.009701	0.000511	0.000252	0.479406	0.000555	0.007917	2.976628464	0.00546248	0.000396	0.024786	0.000738
8.579545455	0.081164792	435.3122	91.17279	0.009599	0.000506	0.00025	0.47683	0.0005514	0.007857	2.973848156	0.00543494	0.000395	0.024769	0.000738
8.674242424	0.079522915	432.8987	89.74517	0.009415	0.000497	0.000246	0.472221	0.0005449	0.007749	2.96887491	0.00538569	0.000393	0.024739	0.000738
8.768939394	0.078625239	431.5791	88.96465	0.009314	0.000492	0.000244	0.469701	0.0005414	0.007689	2.96615585	0.00535876	0.000392	0.024723	0.000738
8.863636364	0.077076264	429.3021	87.61781	0.00914	0.000484	0.000241	0.465353	0.0005352	0.007587	2.961464003	0.00531229	0.000391	0.024695	0.000738
8.958333333	0.075574264	427.0942	86.31182	0.008972	0.000475	0.000238	0.461137	0.0005293	0.007488	2.956914445	0.00526723	0.00039	0.024668	0.000738
9.053030303	0.074319117	425.2491	85.22047	0.008831	0.000469	0.000235	0.457614	0.0005243	0.007405	2.953112605	0.00522957	0.000388	0.024645	0.000737
9.147727273	0.072626561	422.761	83.74879	0.008641	0.000459	0.000232	0.452863	0.0005176	0.007293	2.947985853	0.0051788	0.000387	0.024615	0.000737
9.242424242	0.071069591	420.4723	82.39501	0.008467	0.000451	0.000229	0.448492	0.0005114	0.007191	2.94326979	0.00513209	0.000385	0.024586	0.000737
9.337121212	0.069204785	417.731	80.77356	0.008258	0.000441	0.000225	0.443258	0.0005041	0.007068	2.937621294	0.00507614	0.000384	0.024553	0.000737
9.431818182	0.06751436	415.2461	79.30374	0.008068	0.000431	0.000221	0.438513	0.0004974	0.006956	2.932500996	0.00502543	0.000382	0.024522	0.000737
9.526515152	0.06571275	412.5977	77.73724	0.007866	0.000422	0.000217	0.433456	0.0004902	0.006837	2.92704392	0.00497138	0.00038	0.024489	0.000737
9.621212121	0.064009853	410.0945	76.25657	0.007676	0.000412	0.000214	0.428676	0.0004835	0.006725	2.921885844	0.0049203	0.000379	0.024459	0.000736
9.715909091	0.0618921	406.9814	74.41518	0.007438	0.000401	0.000209	0.422731	0.0004751	0.006585	2.91547117	0.00485676	0.000377	0.02442	0.000736
9.810606061	0.059615038	403.6341	72.43528	0.007183	0.000388	0.000205	0.416339	0.0004661	0.006435	2.908573951	0.00478845	0.000375	0.024379	0.000736
9.90530303	0.057316616	400.2554	70.4368	0.006925	0.000376	0.0002	0.409888	0.000457	0.006283	2.90161203	0.0047195	0.000373	0.024337	0.000736
10	0.055182271	397.1179	68.58098	0.006686	0.000364	0.000195	0.403897	0.0004485	0.006142	2.895147098	0.00465547	0.000371	0.024299	0.000736
10.09469697	0.052839436	393.674	66.54389	0.006423	0.000351	0.00019	0.39732	0.0004392	0.005987	2.888050651	0.00458518	0.000369	0.024256	0.000735
10.18939394	0.0503015	389.9432	64.33715	0.006139	0.000338	0.000185	0.390196	0.0004292	0.00582	2.880363242	0.00450904	0.000366	0.02421	0.000735
10.28409091	0.049332101	388.5182	63.49426	0.00603	0.000332	0.000183	0.387475	0.0004254	0.005756	2.877426934	0.00447996	0.000365	0.024193	0.000735
10.37878788	0.048022687	386.5934	62.35573	0.005883	0.000325	0.00018	0.3838	0.0004202	0.005669	2.87346072	0.00444068	0.000364	0.024169	0.000735
10.47348485	0.046116207	383.7908	60.69804	0.00567	0.000315	0.000176	0.378448	0.0004126	0.005544	2.86768599	0.00438349	0.000362	0.024135	0.000735
10.56818182	0.043870866	380.4902	58.74572	0.005418	0.000302	0.000172	0.372146	0.0004037	0.005395	2.860884854	0.00431613	0.00036	0.024094	0.000734
10.66287879	0.041651748	377.2281	56.81619	0.005169	0.00029	0.000167	0.365916	0.0003949	0.005249	2.854163145	0.00424955	0.000358	0.024054	0.000734

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0	0.9384709	1976.552	0.189931	0.105903	1.163565	949.1004	0.005183	0.0664391	0.001833	0.030154127	3.153628356	0.003986	3.610288	0.002041
0.018939394	0.906354666	1929.341	0.183688	0.102302	1.124191	921.1754	0.005008	0.0643194	0.001804	0.02919064	3.056348283	0.003859	3.520138	0.001974
0.037878788	0.86721313	1871.803	0.17608	0.097915	1.076203	887.1418	0.004794	0.0617361	0.001768	0.028016394	2.937788571	0.003704	3.410267	0.001892
0.056818182	0.830838323	1818.332	0.16901	0.093837	1.031608	855.5139	0.004596	0.0593353	0.001734	0.02692515	2.827609279	0.00356	3.308163	0.001816
0.075757576	0.795553207	1766.463	0.162152	0.089882	0.988348	824.8335	0.004403	0.0570065	0.001702	0.025866596	2.720730665	0.00342	3.209118	0.001743
0.09469697	0.779861927	1743.397	0.159102	0.088123	0.969111	811.1899	0.004317	0.0559709	0.001687	0.025395858	2.673201777	0.003358	3.165072	0.00171
0.113636364	0.767904162	1725.819	0.156778	0.086782	0.954451	800.7927	0.004252	0.0551817	0.001676	0.025037125	2.636981708	0.003311	3.131507	0.001685
0.132575758	0.762745261	1718.236	0.155775	0.086204	0.948126	796.307	0.004224	0.0548412	0.001672	0.024882358	2.621355396	0.00329	3.117026	0.001674
0.151515152	0.758112311	1711.425	0.154874	0.085684	0.942446	792.2787	0.004199	0.0545354	0.001667	0.024743369	2.607322191	0.003272	3.104021	0.001664
0.170454545	0.752402246	1703.031	0.153764	0.085044	0.935445	787.3138	0.004168	0.0541585	0.001662	0.024572067	2.590026403	0.00325	3.087993	0.001653
0.189393939	0.745267451	1692.543	0.152378	0.084244	0.926698	781.11	0.004129	0.0536877	0.001656	0.024358024	2.568415109	0.003221	3.067966	0.001638
0.208333333	0.735654056	1678.411	0.150509	0.083167	0.914912	772.7512	0.004076	0.0530532	0.001647	0.024069622	2.539296136	0.003183	3.040981	0.001618
0.227272727	0.72012639	1655.586	0.147491	0.081426	0.895875	759.2499	0.003991	0.0520283	0.001633	0.023603792	2.492262837	0.003122	2.997395	0.001585
0.246212121	0.696348786	1620.633	0.142869	0.078761	0.866724	738.5753	0.003862	0.050459	0.001611	0.022890464	2.420240474	0.003028	2.930651	0.001535
0.265151515	0.651356995	1554.495	0.134124	0.073717	0.811564	699.4549	0.003616	0.0474896	0.001569	0.02154071	2.283960338	0.002849	2.804359	0.001441
0.284090909	0.617277682	1504.398	0.1275	0.069897	0.769782	669.8229	0.00343	0.0452403	0.001538	0.02051833	2.180734098	0.002714	2.708698	0.00137
0.303030303	0.588113308	1461.527	0.121832	0.066628	0.734027	644.4645	0.003271	0.0433155	0.001511	0.019643399	2.09239521	0.002599	2.626834	0.001309
0.321969697	0.560304463	1420.648	0.116426	0.06351	0.699933	620.2847	0.003119	0.0414801	0.001485	0.018809134	2.008162218	0.002489	2.548775	0.001251
0.340909091	0.532396793	1379.623	0.111002	0.060382	0.665718	596.019	0.002967	0.0396382	0.00146	0.017971904	1.923629887	0.002378	2.470438	0.001193
0.359848485	0.503953576	1337.812	0.105473	0.057193	0.630847	571.2876	0.002812	0.0377609	0.001434	0.017118607	1.837475382	0.002266	2.390598	0.001133
0.378787879	0.477061778	1298.281	0.100246	0.054179	0.597878	547.9052	0.002665	0.0359861	0.001409	0.016311853	1.756020126	0.002159	2.315112	0.001077
0.397727273	0.452474654	1262.138	0.095467	0.051422	0.567734	526.5267	0.002531	0.0343633	0.001386	0.01557424	1.681545726	0.002062	2.246096	0.001026
0.416666667	0.431193441	1230.854	0.091331	0.049037	0.541643	508.0227	0.002414	0.0329588	0.001367	0.014935803	1.617084933	0.001978	2.18636	0.000981
0.435606061	0.412114918	1202.809	0.087623	0.046898	0.518253	491.4339	0.00231	0.0316996	0.001349	0.014363448	1.559296087	0.001902	2.132807	0.000941
0.454545455	0.395407259	1178.249	0.084375	0.045025	0.497769	476.9066	0.002219	0.0305969	0.001334	0.013862218	1.508688589	0.001836	2.085908	0.000906
0.473484848	0.379895151	1155.446	0.08136	0.043286	0.478751	463.4188	0.002134	0.0295731	0.00132	0.013396855	1.461702411	0.001774	2.042366	0.000874
0.492424242	0.365129232	1133.74	0.07849	0.041631	0.460648	450.5799	0.002054	0.0285985	0.001306	0.012953877	1.416976445	0.001716	2.000918	0.000843
0.511363636	0.350860685	1112.765	0.075717	0.040031	0.443155	438.1734	0.001976	0.0276568	0.001293	0.012525821	1.373757015	0.001659	1.960866	0.000813
0.53030303	0.335668147	1090.432	0.072764	0.038328	0.424529	424.9635	0.001893	0.0266541	0.001279	0.012070044	1.327738816	0.001599	1.91822	0.000782
0.549242424	0.322919786	1071.692	0.070286	0.036899	0.4089	413.8788	0.001823	0.0258127	0.001267	0.011687594	1.289124032	0.001549	1.882436	0.000755
0.568181818	0.31071955	1053.758	0.067915	0.035532	0.393942	403.2706	0.001757	0.0250075	0.001256	0.011321586	1.252169516	0.0015	1.84819	0.000729
0.587121212	0.297543705	1034.389	0.065354	0.034055	0.377789	391.8143	0.001685	0.0241379	0.001244	0.010926311	1.212259881	0.001448	1.811205	0.000702
0.606060606	0.285083234	1016.072	0.062932	0.032658	0.362512	380.9799	0.001617	0.0233155	0.001232	0.010552497	1.174517117	0.001399	1.776229	0.000676
0.625	0.274464637	1000.463	0.060868	0.031467	0.349494	371.747	0.001559	0.0226147	0.001223	0.010233939	1.142353386	0.001357	1.746422	0.000654
0.643939394	0.26570031	987.5795	0.059164	0.030485	0.338749	364.1264	0.001511	0.0220362	0.001214	0.009971009	1.11580624	0.001322	1.721821	0.000635
0.662878788	0.257090986	974.9237	0.057491	0.02952	0.328194	356.6406	0.001464	0.021468	0.001207	0.00971273	1.089728596	0.001288	1.697654	0.000617
0.681818182	0.250074029	964.6088	0.056127	0.028733	0.319591	350.5394	0.001426	0.0210049	0.0012	0.009502221	1.068474234	0.00126	1.677958	0.000603
0.700757576	0.238563865	947.6889	0.05389	0.027443	0.305479	340.5313	0.001363	0.0202452	0.001189	0.009156916	1.033609948	0.001215	1.645649	0.000579
0.71969697	0.230179682	935.3641	0.05226	0.026503	0.2952	333.2412	0.001317	0.0196919	0.001182	0.00890539	1.008214258	0.001182	1.622114	0.000561
0.738636364	0.231187776	936.846	0.052456	0.026616	0.296436	334.1178	0.001323	0.0197584	0.001183	0.008935633	1.011267773	0.001186	1.624944	0.000563
0.757575758	0.21982117	920.1371	0.050247	0.025342	0.282501	324.2345	0.001261	0.0190082	0.001172	0.008594635	0.976838324	0.00114	1.593038	0.000539
0.776515152	0.213076144	910.2219	0.048936	0.024586	0.274231	318.3697	0.001224	0.018563	0.001166	0.008392284	0.956407642	0.001114	1.574105	0.000525

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0.795454545	0.205409735	898.9523	0.047445	0.023726	0.264832	311.7038	0.001182	0.018057	0.001159	0.008162292	0.933186089	0.001083	1.552585	0.000509
0.814393939	0.197822168	887.7986	0.045971	0.022876	0.25553	305.1064	0.001141	0.0175563	0.001152	0.007934665	0.910203348	0.001053	1.531287	0.000493
0.833333333	0.192491129	879.962	0.044935	0.022278	0.248994	300.471	0.001112	0.0172044	0.001147	0.007774734	0.89405563	0.001032	1.516323	0.000482
0.852272727	0.186918348	871.77	0.043851	0.021654	0.242162	295.6255	0.001081	0.0168366	0.001142	0.00760755	0.877175676	0.00101	1.50068	0.000471
0.871212121	0.180097863	861.7439	0.042526	0.020889	0.2338	289.6951	0.001044	0.0163865	0.001136	0.007402936	0.856516427	0.000983	1.481535	0.000456
0.890151515	0.174775064	853.9193	0.041491	0.020292	0.227274	285.0669	0.001015	0.0160352	0.001131	0.007243252	0.840393669	0.000962	1.466594	0.000445
0.909090909	0.169497207	846.1609	0.040465	0.019701	0.220804	280.4778	0.000986	0.0156868	0.001126	0.007084916	0.824407039	0.000941	1.451779	0.000434
0.928030303	0.166244894	841.38	0.039833	0.019336	0.216816	277.6499	0.000968	0.0154722	0.001123	0.006987347	0.814555785	0.000928	1.442649	0.000427
0.946969697	0.165294603	839.9831	0.039648	0.01923	0.215651	276.8237	0.000963	0.0154094	0.001122	0.006958838	0.811677351	0.000925	1.439982	0.000425
0.965909091	0.165506497	840.2946	0.039689	0.019253	0.215911	277.0079	0.000964	0.0154234	0.001122	0.006965195	0.812319179	0.000925	1.440577	0.000426
0.984848485	0.166737914	842.1047	0.039929	0.019391	0.217421	278.0786	0.000971	0.0155047	0.001123	0.007002137	0.816049142	0.00093	1.444033	0.000428
1.003787879	0.167796537	843.6609	0.040135	0.01951	0.218719	278.9991	0.000977	0.0155746	0.001124	0.007033896	0.819255711	0.000934	1.447005	0.000431
1.022727273	0.171366617	848.9089	0.040829	0.01991	0.223095	282.1033	0.000996	0.0158102	0.001128	0.007140999	0.830069483	0.000949	1.457026	0.000438
1.041666667	0.148198411	814.8517	0.036325	0.017313	0.194691	261.9585	0.00087	0.0142811	0.001106	0.006445952	0.759892987	0.000857	1.391993	0.00039
1.060606061	0.141800493	805.4467	0.035082	0.016596	0.186847	256.3955	0.000835	0.0138588	0.0011	0.006254015	0.740513693	0.000832	1.374034	0.000376
1.079545455	0.137647048	799.3412	0.034274	0.01613	0.181755	252.7841	0.000812	0.0135847	0.001097	0.006129411	0.727932907	0.000815	1.362375	0.000368
1.098484848	0.135056645	795.5333	0.033771	0.01584	0.178579	250.5318	0.000798	0.0134137	0.001094	0.006051699	0.720086577	0.000805	1.355104	0.000362
1.117424242	0.13408187	794.1003	0.033581	0.015731	0.177384	249.6842	0.000793	0.0133494	0.001093	0.006022456	0.717133985	0.000801	1.352368	0.00036
1.136363636	0.133155808	792.739	0.033401	0.015627	0.176249	248.879	0.000788	0.0132883	0.001093	0.005994674	0.714328942	0.000797	1.349768	0.000358
1.15530303	0.132166296	791.2845	0.033209	0.015516	0.175036	248.0186	0.000782	0.013223	0.001092	0.005964989	0.711331711	0.000793	1.346991	0.000356
1.174242424	0.131204501	789.8706	0.033022	0.015408	0.173857	247.1823	0.000777	0.0131595	0.001091	0.005936135	0.708418433	0.00079	1.344291	0.000354
1.193181818	0.130425483	788.7255	0.032871	0.015321	0.172902	246.505	0.000773	0.0131081	0.00109	0.005912764	0.706058788	0.000786	1.342104	0.000353
1.212121212	0.129766613	787.7569	0.032743	0.015247	0.172094	245.9321	0.000769	0.0130646	0.001089	0.005892998	0.704063072	0.000784	1.340255	0.000351
1.231060606	0.129766524	787.7568	0.032743	0.015247	0.172094	245.932	0.000769	0.0130646	0.001089	0.005892996	0.704062801	0.000784	1.340255	0.000351
1.25	0.133566275	793.3424	0.033481	0.015673	0.176752	249.2359	0.00079	0.0133154	0.001093	0.006006988	0.715572248	0.000799	1.350921	0.000359
1.268939394	0.138244793	800.2198	0.034391	0.016197	0.182488	253.3038	0.000816	0.0136242	0.001097	0.006147344	0.729743477	0.000817	1.364053	0.000369
1.287878788	0.148752034	815.6655	0.036433	0.017375	0.19537	262.4399	0.000873	0.0143176	0.001107	0.006462561	0.76156991	0.000859	1.393547	0.000391
1.306818182	0.139785513	802.4847	0.03469	0.01637	0.184377	254.6435	0.000824	0.0137258	0.001099	0.006193565	0.73441032	0.000824	1.368378	0.000372
1.325757576	0.117290214	769.4166	0.030318	0.013848	0.156798	235.0838	0.000701	0.0122412	0.001078	0.005518706	0.666272057	0.000734	1.305234	0.000325
1.34469697	0.112943068	763.0263	0.029473	0.013361	0.151468	231.304	0.000677	0.0119542	0.001074	0.005388292	0.653104553	0.000717	1.293031	0.000316
1.363636364	0.106193498	753.1044	0.028161	0.012604	0.143193	225.4352	0.000641	0.0115088	0.001068	0.005185805	0.632660105	0.000691	1.274085	0.000302
1.382575758	0.091070406	730.8735	0.025221	0.010909	0.124652	212.2857	0.000558	0.0105106	0.001054	0.004732112	0.58685226	0.000631	1.231635	0.00027
1.401515152	0.076443031	709.3713	0.022378	0.009269	0.106719	199.5672	0.000478	0.0095452	0.00104	0.004293291	0.542545942	0.000573	1.190576	0.00024
1.420454545	0.069535114	699.2166	0.021036	0.008495	0.09825	193.5608	0.000441	0.0090893	0.001034	0.004086053	0.52162186	0.000545	1.171185	0.000225
1.439393939	0.066411808	694.6254	0.020428	0.008145	0.094421	190.8451	0.000423	0.0088832	0.001031	0.003992354	0.512161367	0.000533	1.162418	0.000219
1.458333333	0.062023729	688.1749	0.019576	0.007653	0.089041	187.0296	0.0004	0.0085936	0.001027	0.003860712	0.498869875	0.000516	1.150101	0.00021
1.477272727	0.05875678	683.3725	0.018941	0.007287	0.085036	184.189	0.000382	0.0083779	0.001024	0.003762703	0.488974286	0.000503	1.14093	0.000203
1.496212121	0.054375391	676.9318	0.018089	0.006795	0.079664	180.3794	0.000358	0.0080888	0.00102	0.003631262	0.475703061	0.000485	1.128632	0.000194
1.515151515	0.051389627	672.5428	0.017509	0.006461	0.076004	177.7833	0.000341	0.0078917	0.001017	0.003541689	0.466659181	0.000474	1.120251	0.000187
1.534090909	0.049783532	670.1818	0.017196	0.006281	0.074035	176.3868	0.000333	0.0077857	0.001016	0.003493506	0.461794317	0.000467	1.115742	0.000184
1.553030303	0.046057764	664.7049	0.016472	0.005863	0.069467	173.1472	0.000312	0.0075398	0.001012	0.003381733	0.450508968	0.000452	1.105284	0.000176
1.571969697	0.059203751	684.0295	0.019027	0.007337	0.085584	184.5777	0.000384	0.0084074	0.001024	0.003776113	0.490328163	0.000504	1.142185	0.000204

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
1.590909091	0.056074962	679.4302	0.018419	0.006986	0.081748	181.8572	0.000367	0.0082009	0.001022	0.003682249	0.48085106	0.000492	1.133402	0.000197
1.609848485	0.054263562	676.7674	0.018067	0.006783	0.079527	180.2822	0.000357	0.0080814	0.00102	0.003627907	0.475364329	0.000485	1.128318	0.000193
1.628787879	0.051355105	672.492	0.017502	0.006457	0.075961	177.7533	0.000341	0.0078894	0.001017	0.003540653	0.466554613	0.000473	1.120154	0.000187
1.647727273	0.047570132	666.9281	0.016766	0.006033	0.071321	174.4622	0.000321	0.0076396	0.001014	0.003427104	0.455089929	0.000458	1.109529	0.000179
1.666666667	0.045429271	663.781	0.01635	0.005793	0.068696	172.6008	0.000309	0.0074983	0.001012	0.003362878	0.448605261	0.00045	1.10352	0.000175
1.685606061	0.04349209	660.9334	0.015974	0.005575	0.066321	170.9164	0.000298	0.0073705	0.00101	0.003304763	0.44273754	0.000442	1.098082	0.000171
1.704545455	0.053069841	675.0127	0.017835	0.006649	0.078064	179.2442	0.000351	0.0080026	0.001019	0.003592095	0.471748549	0.00048	1.124967	0.000191
1.723484848	0.057549112	681.5972	0.018706	0.007151	0.083555	183.139	0.000375	0.0082982	0.001023	0.003726473	0.485316259	0.000498	1.13754	0.0002
1.742424242	0.062836878	689.3702	0.019734	0.007744	0.090038	187.7367	0.000404	0.0086472	0.001028	0.003885106	0.501332903	0.000519	1.152383	0.000211
1.761363636	0.056423508	679.9426	0.018487	0.007025	0.082175	182.1602	0.000369	0.008224	0.001022	0.003692705	0.481906805	0.000493	1.134381	0.000198
1.78030303	0.085427344	722.5782	0.024125	0.010276	0.117734	207.3791	0.000527	0.0101382	0.001049	0.00456282	0.569759425	0.000608	1.215795	0.000259
1.799242424	0.083719715	720.068	0.023793	0.010085	0.11564	205.8943	0.000518	0.0100255	0.001047	0.004511591	0.564587018	0.000602	1.211001	0.000255
1.818181818	0.080182657	714.8685	0.023105	0.009688	0.111304	202.8188	0.000499	0.0097921	0.001044	0.00440548	0.553873267	0.000588	1.201073	0.000248
1.837121212	0.035017576	648.4758	0.014326	0.004625	0.055932	163.5478	0.000252	0.0068112	0.001002	0.003050527	0.417068238	0.000409	1.074294	0.000153
1.856060606	0.070612751	700.8007	0.021245	0.008616	0.099571	194.4978	0.000446	0.0091604	0.001035	0.004118383	0.524886023	0.00055	1.17421	0.000228
1.875	0.072091095	702.9739	0.021532	0.008781	0.101384	195.7832	0.000454	0.009258	0.001036	0.004162733	0.529363927	0.000555	1.17836	0.000231
1.893939394	0.068929985	698.3271	0.020918	0.008427	0.097508	193.0346	0.000437	0.0090494	0.001033	0.0040679	0.519788925	0.000543	1.169486	0.000224
1.912878788	0.067075163	695.6005	0.020557	0.008219	0.095234	191.4219	0.000427	0.008927	0.001032	0.004012255	0.514170669	0.000536	1.16428	0.00022
1.931818182	0.083843865	720.2505	0.023817	0.010099	0.115793	206.0022	0.000519	0.0100337	0.001047	0.004515316	0.564963066	0.000602	1.21135	0.000255
1.950757576	0.08297199	718.9688	0.023647	0.010001	0.114724	205.2441	0.000514	0.0099762	0.001046	0.00448916	0.562322158	0.000599	1.208902	0.000253
1.96969697	0.079340294	713.6302	0.022941	0.009594	0.110271	202.0864	0.000494	0.0097365	0.001043	0.004380209	0.551321751	0.000584	1.198708	0.000246
1.988636364	0.079034753	713.1811	0.022882	0.00956	0.109897	201.8207	0.000492	0.0097163	0.001043	0.004371043	0.550396267	0.000583	1.197851	0.000245
2.007575758	0.078479201	712.3644	0.022774	0.009498	0.109215	201.3377	0.000489	0.0096796	0.001042	0.004354376	0.548713499	0.000581	1.196291	0.000244
2.026515152	0.078005567	711.6682	0.022682	0.009444	0.108635	200.9258	0.000487	0.0096484	0.001042	0.004340167	0.547278863	0.000579	1.194962	0.000243
2.045454545	0.07743343	710.8271	0.022571	0.00938	0.107933	200.4284	0.000484	0.0096106	0.001041	0.004323003	0.545545858	0.000577	1.193356	0.000242
2.064393939	0.075303532	707.6962	0.022157	0.009142	0.105322	198.5764	0.000472	0.00947	0.001039	0.004259106	0.539094399	0.000568	1.187377	0.000237
2.083333333	0.075569607	708.0873	0.022208	0.009171	0.105648	198.8078	0.000473	0.0094876	0.00104	0.004267088	0.539900341	0.000569	1.188124	0.000238
2.102272727	0.077989951	711.6452	0.022679	0.009443	0.108616	200.9123	0.000487	0.0096473	0.001042	0.004339699	0.547231561	0.000579	1.194918	0.000243
2.121212121	0.077381425	710.7507	0.022561	0.009374	0.10787	200.3831	0.000483	0.0096072	0.001041	0.004321443	0.545388335	0.000576	1.19321	0.000242
2.140151515	0.073523507	705.0796	0.021811	0.008942	0.10314	197.0287	0.000462	0.0093526	0.001038	0.004205705	0.533702701	0.000561	1.18238	0.000234
2.159090909	0.072178066	703.1018	0.021549	0.008791	0.10149	195.8588	0.000455	0.0092638	0.001036	0.004165342	0.529627361	0.000556	1.178604	0.000231
2.178030303	0.071375996	701.9227	0.021393	0.008701	0.100507	195.1614	0.000451	0.0092108	0.001036	0.00414128	0.527197892	0.000553	1.176352	0.000229
2.196969697	0.070754386	701.0089	0.021273	0.008632	0.099745	194.6209	0.000447	0.0091698	0.001035	0.004122632	0.525315037	0.00055	1.174608	0.000228
2.215909091	0.069677249	699.4256	0.021063	0.008511	0.098424	193.6844	0.000441	0.0090987	0.001034	0.004090317	0.522052386	0.000546	1.171584	0.000226
2.234848485	0.067882657	696.7875	0.020714	0.00831	0.096224	192.124	0.000432	0.0089803	0.001032	0.00403648	0.516616568	0.000539	1.166547	0.000222
2.253787879	0.065635093	693.4836	0.020277	0.008058	0.093469	190.1697	0.000419	0.0088319	0.00103	0.003969053	0.509808695	0.00053	1.160238	0.000217
2.272727273	0.064409725	691.6823	0.020039	0.00792	0.091966	189.1043	0.000413	0.008751	0.001029	0.003932292	0.506097058	0.000525	1.156798	0.000215
2.291666667	0.062233035	688.4826	0.019616	0.007676	0.089298	187.2116	0.000401	0.0086074	0.001027	0.003866991	0.499503862	0.000516	1.150688	0.00021
2.310606061	0.057860885	682.0555	0.018766	0.007186	0.083937	183.41	0.000377	0.0083188	0.001023	0.003735827	0.48626062	0.000499	1.138416	0.000201
2.329545455	0.050394367	671.0797	0.017315	0.006349	0.074783	176.9179	0.000336	0.007826	0.001016	0.003511831	0.463644539	0.00047	1.117457	0.000185
2.348484848	0.048120059	667.7365	0.016873	0.006094	0.071995	174.9404	0.000324	0.0076759	0.001014	0.003443602	0.456755659	0.000461	1.111073	0.000181
2.367424242	0.045902062	664.476	0.016442	0.005846	0.069276	173.0118	0.000312	0.0075295	0.001012	0.003377062	0.450037346	0.000452	1.104847	0.000176

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
2.386363636	0.043024339	660.2458	0.015883	0.005523	0.065748	170.5097	0.000296	0.0073396	0.00101	0.00329073	0.441320722	0.00044	1.096769	0.00017
2.40530303	0.036790781	651.0824	0.014671	0.004824	0.058105	165.0896	0.000262	0.0069282	0.001004	0.003103723	0.422439275	0.000416	1.079272	0.000157
2.424242424	0.030161006	641.3367	0.013382	0.004081	0.049977	159.325	0.000226	0.0064906	0.000998	0.00290483	0.402357688	0.000389	1.060662	0.000143
2.443181818	0.02648804	635.9374	0.012668	0.003669	0.045474	156.1314	0.000206	0.0062482	0.000994	0.002794641	0.391232272	0.000375	1.050352	0.000135
2.462121212	0.022708919	630.3821	0.011934	0.003246	0.040841	152.8454	0.000185	0.0059988	0.000991	0.002681268	0.379785315	0.00036	1.039744	0.000127
2.481060606	0.020130362	626.5916	0.011433	0.002957	0.03768	150.6034	0.000171	0.0058286	0.000989	0.002603911	0.371974868	0.00035	1.032506	0.000122
2.5	0.019105768	625.0855	0.011234	0.002842	0.036424	149.7125	0.000165	0.005761	0.000988	0.002573173	0.368871371	0.000346	1.02963	0.00012
2.518939394	0.017871359	623.2709	0.010994	0.002703	0.03491	148.6391	0.000159	0.0056795	0.000986	0.002536141	0.365132348	0.000341	1.026165	0.000117
2.537878788	0.016506068	621.2639	0.010728	0.00255	0.033236	147.452	0.000151	0.0055894	0.000985	0.002495182	0.360996881	0.000335	1.022333	0.000114
2.556818182	0.015344488	619.5564	0.010503	0.00242	0.031812	146.442	0.000145	0.0055127	0.000984	0.002460335	0.357478453	0.000331	1.019072	0.000112
2.575757576	0.014718106	618.6356	0.010381	0.00235	0.031044	145.8974	0.000141	0.0054714	0.000984	0.002441543	0.355581143	0.000328	1.017314	0.000111
2.59469697	0.014469149	618.2696	0.010332	0.002322	0.030739	145.6809	0.00014	0.005455	0.000983	0.002434074	0.354827051	0.000327	1.016615	0.00011
2.613636364	0.015688052	620.0614	0.010569	0.002459	0.032234	146.7408	0.000147	0.0055354	0.000984	0.002470642	0.358519111	0.000332	1.020036	0.000113
2.632575758	0.015370918	619.5953	0.010508	0.002423	0.031845	146.465	0.000145	0.0055145	0.000984	0.002461128	0.357558512	0.000331	1.019146	0.000112
2.651515152	0.015110731	619.2128	0.010457	0.002394	0.031526	146.2388	0.000143	0.0054973	0.000984	0.002453322	0.356770405	0.00033	1.018416	0.000112
2.670454545	0.015038076	619.106	0.010443	0.002386	0.031437	146.1756	0.000143	0.0054925	0.000984	0.002451142	0.356550332	0.00033	1.018212	0.000111
2.689393939	0.014853945	618.8353	0.010407	0.002365	0.031211	146.0155	0.000142	0.0054804	0.000984	0.002445618	0.355992599	0.000329	1.017695	0.000111
2.708333333	0.014774249	618.7181	0.010392	0.002356	0.031113	145.9462	0.000142	0.0054751	0.000984	0.002443227	0.3557512	0.000329	1.017471	0.000111
2.727272727	0.015365356	619.5871	0.010507	0.002422	0.031838	146.4602	0.000145	0.0055141	0.000984	0.002460961	0.357541662	0.000331	1.019131	0.000112
2.746212121	0.015980316	620.4911	0.010626	0.002491	0.032592	146.9949	0.000148	0.0055547	0.000985	0.002479409	0.359404378	0.000333	1.020857	0.000113
2.765151515	0.017550813	622.7997	0.010931	0.002667	0.034517	148.3604	0.000157	0.0056584	0.000986	0.002526524	0.364161413	0.00034	1.025265	0.000117
2.784090909	0.023078891	630.926	0.012006	0.003287	0.041295	153.1671	0.000187	0.0060232	0.000991	0.002692367	0.380905959	0.000361	1.040782	0.000128
2.803030303	0.035157308	648.6812	0.014354	0.004641	0.056103	163.6693	0.000253	0.0068204	0.001002	0.003054719	0.417491486	0.000409	1.074687	0.000153
2.821969697	0.034968961	648.4044	0.014317	0.00462	0.055872	163.5055	0.000252	0.006808	0.001002	0.003049069	0.416920983	0.000408	1.074158	0.000153
2.840909091	0.034562957	647.8075	0.014238	0.004575	0.055374	163.1525	0.00025	0.0067812	0.001002	0.003036889	0.415691195	0.000407	1.073018	0.000152
2.859848485	0.034207694	647.2853	0.014169	0.004535	0.054939	162.8436	0.000248	0.0067577	0.001001	0.003026231	0.414615106	0.000405	1.072021	0.000151
2.878787879	0.033571307	646.3498	0.014045	0.004463	0.054158	162.2903	0.000244	0.0067157	0.001001	0.003007139	0.412687488	0.000403	1.070235	0.00015
2.897727273	0.032076243	644.1521	0.013755	0.004296	0.052325	160.9903	0.000236	0.006617	0.001	0.002962287	0.408158941	0.000397	1.066038	0.000147
2.916666667	0.03152268	643.3383	0.013647	0.004234	0.051647	160.509	0.000233	0.0065805	0.000999	0.00294568	0.406482198	0.000395	1.064484	0.000146
2.935606061	0.030424187	641.7236	0.013434	0.004111	0.0503	159.5538	0.000227	0.006508	0.000998	0.002912726	0.403154862	0.00039	1.061401	0.000144
2.954545455	0.029884547	640.9303	0.013329	0.00405	0.049638	159.0846	0.000224	0.0064724	0.000997	0.002896536	0.401520293	0.000388	1.059886	0.000142
2.973484848	0.027310558	637.1465	0.012828	0.003762	0.046483	156.8465	0.00021	0.0063025	0.000995	0.002819317	0.393723679	0.000378	1.052661	0.000137
2.992424242	0.026929064	636.5857	0.012754	0.003719	0.046015	156.5148	0.000208	0.0062773	0.000995	0.002807872	0.392568134	0.000377	1.05159	0.000136
3.087121212	0.026936417	636.5965	0.012756	0.00372	0.046024	156.5212	0.000208	0.0062778	0.000995	0.002808093	0.392590408	0.000377	1.051611	0.000136
3.181818182	0.015025814	619.0879	0.010441	0.002384	0.031422	146.1649	0.000143	0.0054917	0.000984	0.002450774	0.356513191	0.00033	1.018177	0.000111
3.276515152	0.012525876	615.413	0.009955	0.002104	0.028357	143.9912	0.000129	0.0053267	0.000982	0.002375776	0.348940879	0.00032	1.01116	0.000106
3.371212121	0.005789554	605.5106	0.008645	0.001349	0.020098	138.134	9.26E-05	0.0048821	0.000975	0.002173687	0.32853656	0.000293	0.992251	9.21E-05
3.465909091	0.002705408	600.9769	0.008046	0.001003	0.016317	135.4524	7.58E-05	0.0046786	0.000972	0.002081162	0.319194681	0.000281	0.983594	8.57E-05
3.560606061	0.001914629	599.8145	0.007892	0.000915	0.015347	134.7648	7.15E-05	0.0046264	0.000972	0.002057439	0.316799411	0.000278	0.981374	8.4E-05
3.65530303	0.001873506	599.7541	0.007884	0.00091	0.015297	134.729	7.12E-05	0.0046237	0.000972	0.002056205	0.316674851	0.000277	0.981259	8.39E-05
3.75	0.004546785	603.6838	0.008404	0.00121	0.018574	137.0534	8.58E-05	0.0048001	0.000974	0.002136404	0.324772213	0.000288	0.988763	8.95E-05
3.84469697	0.00461984	603.7912	0.008418	0.001218	0.018664	137.117	8.62E-05	0.0048049	0.000974	0.002138595	0.324993496	0.000288	0.988968	8.97E-05

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
3.939393939	0.002114397	600.1082	0.007931	0.000937	0.015592	134.9385	7.25E-05	0.0046396	0.000972	0.002063432	0.317404508	0.000278	0.981935	8.44E-05
4.034090909	0.001821436	599.6775	0.007874	0.000904	0.015233	134.6837	7.09E-05	0.0046202	0.000972	0.002054643	0.31651713	0.000277	0.981113	8.38E-05
4.128787879	0.001588303	599.3348	0.007829	0.000878	0.014947	134.481	6.97E-05	0.0046048	0.000971	0.002047649	0.315810969	0.000276	0.980458	8.33E-05
4.223484848	0.001309497	598.925	0.007775	0.000847	0.014605	134.2386	6.81E-05	0.0045864	0.000971	0.002039285	0.314966468	0.000275	0.979676	8.27E-05
4.318181818	0.001067079	598.5686	0.007727	0.00082	0.014308	134.0278	6.68E-05	0.0045704	0.000971	0.002032012	0.314232183	0.000274	0.978995	8.22E-05
4.412878788	0.000618595	597.9093	0.00764	0.000769	0.013758	133.6379	6.44E-05	0.0045408	0.000971	0.002018558	0.312873723	0.000272	0.977736	8.13E-05
4.507575758	0.000291812	597.429	0.007577	0.000733	0.013358	133.3537	6.26E-05	0.0045193	0.00097	0.002008754	0.311883897	0.000271	0.976819	8.06E-05
4.602272727	7.92E-06	597.0116	0.007522	0.000701	0.01301	133.1069	6.1E-05	0.0045005	0.00097	0.002000238	0.311023993	0.00027	0.976022	8E-05
4.696969697	0.000301361	597.443	0.007579	0.000734	0.013369	133.362	6.26E-05	0.0045199	0.00097	0.002009041	0.311912821	0.000271	0.976846	8.06E-05
4.791666667	0.000294513	597.4329	0.007577	0.000733	0.013361	133.3561	6.26E-05	0.0045194	0.00097	0.002008835	0.311892081	0.000271	0.976827	8.06E-05
4.886363636	0.002988018	601.3924	0.008101	0.001035	0.016663	135.6981	7.73E-05	0.0046972	0.000973	0.002089641	0.320050707	0.000282	0.984387	8.62E-05
4.981060606	0.003215192	601.7263	0.008145	0.00106	0.016942	135.8956	7.85E-05	0.0047122	0.000973	0.002096456	0.320738816	0.000283	0.985025	8.67E-05
5.075757576	0.003919843	602.7622	0.008282	0.001139	0.017806	136.5083	8.24E-05	0.0047587	0.000974	0.002117595	0.322873203	0.000286	0.987003	8.82E-05
5.170454545	0.00262454	600.8581	0.00803	0.000994	0.016218	135.382	7.53E-05	0.0046732	0.000972	0.002078736	0.318949731	0.00028	0.983367	8.55E-05
5.265151515	0.002445093	600.5943	0.007995	0.000974	0.015998	135.226	7.43E-05	0.0046614	0.000972	0.002073353	0.318406187	0.00028	0.982863	8.51E-05
5.359848485	0.002389668	600.5128	0.007984	0.000968	0.01593	135.1778	7.4E-05	0.0046577	0.000972	0.00207169	0.318238303	0.000279	0.982708	8.5E-05
5.454545455	0.003312472	601.8693	0.008164	0.001071	0.017061	135.9802	7.91E-05	0.0047186	0.000973	0.002099374	0.321033477	0.000283	0.985298	8.69E-05
5.549242424	0.002569834	600.7777	0.008019	0.000988	0.016151	135.3345	7.5E-05	0.0046696	0.000972	0.002077095	0.318784029	0.00028	0.983214	8.54E-05
5.643939394	0.002413081	600.5472	0.007989	0.000971	0.015958	135.1982	7.42E-05	0.0046593	0.000972	0.002072392	0.318309223	0.00028	0.982774	8.5E-05
5.738636364	0.00227206	600.3399	0.007962	0.000955	0.015786	135.0756	7.34E-05	0.00465	0.000972	0.002068162	0.31788207	0.000279	0.982378	8.47E-05
5.833333333	1.85E-05	597.0273	0.007524	0.000702	0.013023	133.1161	6.11E-05	0.0045012	0.00097	0.002000556	0.311056172	0.00027	0.976052	8E-05
5.928030303	0.000537867	597.7907	0.007625	0.00076	0.013659	133.5677	6.39E-05	0.0045355	0.00097	0.002016136	0.3126292	0.000272	0.97751	8.11E-05
6.022727273	0.001323684	598.9458	0.007777	0.000848	0.014623	134.2509	6.82E-05	0.0045874	0.000971	0.002039711	0.315009437	0.000275	0.979716	8.28E-05
6.117424242	0.000647163	597.9513	0.007646	0.000773	0.013793	133.6627	6.45E-05	0.0045427	0.000971	0.002019415	0.312960256	0.000273	0.977817	8.14E-05
6.212121212	0.003947433	602.8027	0.008287	0.001143	0.01784	136.5323	8.25E-05	0.0047605	0.000974	0.002118423	0.322956773	0.000286	0.98708	8.83E-05
6.306818182	0.00377734	602.5527	0.008254	0.001123	0.017631	136.3844	8.16E-05	0.0047493	0.000973	0.00211332	0.322441562	0.000285	0.986603	8.79E-05
6.401515152	0.003806608	602.5957	0.00826	0.001127	0.017667	136.4098	8.18E-05	0.0047512	0.000974	0.002114198	0.322530216	0.000285	0.986685	8.8E-05
6.496212121	0.003794237	602.5775	0.008257	0.001125	0.017652	136.3991	8.17E-05	0.0047504	0.000973	0.002113827	0.322492744	0.000285	0.98665	8.79E-05
6.590909091	0.003797035	602.5816	0.008258	0.001126	0.017655	136.4015	8.17E-05	0.0047506	0.000973	0.002113911	0.322501218	0.000285	0.986658	8.79E-05
6.685606061	0.003778813	602.5549	0.008254	0.001124	0.017633	136.3857	8.16E-05	0.0047494	0.000973	0.002113364	0.322446026	0.000285	0.986607	8.79E-05
6.78030303	0.004268081	603.2741	0.00835	0.001178	0.018233	136.8111	8.43E-05	0.0047817	0.000974	0.002128042	0.323928017	0.000287	0.987981	8.89E-05
6.875	0.00445656	603.5511	0.008386	0.0012	0.018464	136.975	8.53E-05	0.0047941	0.000974	0.002133697	0.324498921	0.000288	0.98851	8.93E-05
6.96969697	0.004367287	603.4199	0.008369	0.00119	0.018354	136.8974	8.48E-05	0.0047882	0.000974	0.002131019	0.324228512	0.000287	0.988259	8.91E-05
7.064393939	0.003369227	601.9528	0.008175	0.001078	0.017131	136.0295	7.94E-05	0.0047224	0.000973	0.002101077	0.321205389	0.000283	0.985457	8.7E-05
7.159090909	0.002925966	601.3012	0.008089	0.001028	0.016587	135.6441	7.7E-05	0.0046931	0.000973	0.002087779	0.319862752	0.000282	0.984213	8.61E-05
7.253787879	0.002512022	600.6927	0.008008	0.000982	0.01608	135.2842	7.47E-05	0.0046658	0.000972	0.002075361	0.318608914	0.00028	0.983051	8.53E-05
7.348484848	0.001836334	599.6994	0.007877	0.000906	0.015251	134.6967	7.1E-05	0.0046212	0.000972	0.00205509	0.316562256	0.000277	0.981155	8.38E-05
7.443181818	0.000818851	598.2037	0.007679	0.000792	0.014004	133.812	6.55E-05	0.004554	0.000971	0.002024566	0.313480298	0.000273	0.978299	8.17E-05
7.537878788	0.000516583	597.7594	0.00762	0.000758	0.013633	133.5492	6.38E-05	0.0045341	0.00097	0.002015497	0.312564729	0.000272	0.97745	8.11E-05
7.632575758	0.000277652	597.4081	0.007574	0.000731	0.01334	133.3414	6.25E-05	0.0045183	0.00097	0.00200833	0.311841009	0.000271	0.976779	8.06E-05
7.727272727	0.000154466	597.2271	0.00755	0.000717	0.013189	133.2343	6.18E-05	0.0045102	0.00097	0.002004634	0.311467879	0.000271	0.976434	8.03E-05
7.821969697	7.10E-05	597.1043	0.007534	0.000708	0.013087	133.1617	6.14E-05	0.0045047	0.00097	0.002002129	0.311214983	0.00027	0.976199	8.01E-05

Distance (miles)	Unit Concentration Year 441	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
7.916666667	5.89E-05	597.0866	0.007531	0.000707	0.013072	133.1512	6.13E-05	0.0045039	0.00097	0.002001767	0.311178365	0.00027	0.976165	8.01E-05
8.011363636	0.000107185	597.1576	0.007541	0.000712	0.013131	133.1932	6.16E-05	0.0045071	0.00097	0.002003216	0.311324664	0.00027	0.976301	8.02E-05
8.106060606	3.97E-05	597.0583	0.007528	0.000704	0.013049	133.1345	6.12E-05	0.0045026	0.00097	0.00200119	0.311120136	0.00027	0.976111	8.01E-05
8.200757576	4.05E-05	597.0595	0.007528	0.000705	0.01305	133.1352	6.12E-05	0.0045027	0.00097	0.002001215	0.311122646	0.00027	0.976114	8.01E-05
8.295454545	2.90E-05	597.0427	0.007526	0.000703	0.013036	133.1252	6.12E-05	0.0045019	0.00097	0.00200087	0.311087886	0.00027	0.976081	8.01E-05
8.390151515	1.52E-05	597.0224	0.007523	0.000702	0.013019	133.1132	6.11E-05	0.004501	0.00097	0.002000457	0.311046136	0.00027	0.976043	8E-05
8.484848485	9.42E-06	597.0139	0.007522	0.000701	0.013012	133.1082	6.11E-05	0.0045006	0.00097	0.002000283	0.311028547	0.00027	0.976026	8E-05
8.579545455	5.04E-06	597.0074	0.007521	0.000701	0.013006	133.1044	6.1E-05	0.0045003	0.00097	0.002000151	0.311015258	0.00027	0.976014	8E-05
8.674242424	2.48E-06	597.0036	0.00752	0.0007	0.013003	133.1022	6.1E-05	0.0045002	0.00097	0.002000074	0.311007513	0.00027	0.976007	8E-05
8.768939394	1.26E-06	597.0019	0.00752	0.0007	0.013002	133.1011	6.1E-05	0.0045001	0.00097	0.002000038	0.311003824	0.00027	0.976004	8E-05
8.863636364	8.98E-07	597.0013	0.00752	0.0007	0.013001	133.1008	6.1E-05	0.0045001	0.00097	0.002000027	0.311002721	0.00027	0.976003	8E-05
8.958333333	8.73E-07	597.0013	0.00752	0.0007	0.013001	133.1008	6.1E-05	0.0045001	0.00097	0.002000026	0.311002645	0.00027	0.976002	8E-05
9.053030303	8.48E-07	597.0012	0.00752	0.0007	0.013001	133.1007	6.1E-05	0.0045001	0.00097	0.002000025	0.311002569	0.00027	0.976002	8E-05
9.147727273	8.23E-07	597.0012	0.00752	0.0007	0.013001	133.1007	6.1E-05	0.0045001	0.00097	0.002000025	0.311002491	0.00027	0.976002	8E-05
9.242424242	7.98E-07	597.0012	0.00752	0.0007	0.013001	133.1007	6.1E-05	0.0045001	0.00097	0.002000024	0.311002418	0.00027	0.976002	8E-05
9.337121212	7.70E-07	597.0011	0.00752	0.0007	0.013001	133.1007	6.1E-05	0.0045001	0.00097	0.002000023	0.311002332	0.00027	0.976002	8E-05
9.431818182	7.54E-07	597.0011	0.00752	0.0007	0.013001	133.1007	6.1E-05	0.0045	0.00097	0.002000023	0.311002283	0.00027	0.976002	8E-05
9.526515152	7.43E-07	597.0011	0.00752	0.0007	0.013001	133.1006	6.1E-05	0.0045	0.00097	0.002000022	0.311002249	0.00027	0.976002	8E-05
9.621212121	7.34E-07	597.0011	0.00752	0.0007	0.013001	133.1006	6.1E-05	0.0045	0.00097	0.002000022	0.311002224	0.00027	0.976002	8E-05
9.715909091	7.30E-07	597.0011	0.00752	0.0007	0.013001	133.1006	6.1E-05	0.0045	0.00097	0.002000022	0.311002213	0.00027	0.976002	8E-05
9.810606061	4.37E-05	597.0642	0.007528	0.000705	0.013054	133.138	6.12E-05	0.0045029	0.00097	0.002001311	0.311132375	0.00027	0.976123	8.01E-05
9.90530303	4.94E-06	597.0073	0.007521	0.000701	0.013006	133.1043	6.1E-05	0.0045003	0.00097	0.002000148	0.311014974	0.00027	0.976014	8E-05
10	7.44E-07	597.0011	0.00752	0.0007	0.013001	133.1006	6.1E-05	0.0045	0.00097	0.002000022	0.311002253	0.00027	0.976002	8E-05
10.09469697	0.012604173	615.5281	0.00997	0.002113	0.028453	144.0593	0.00013	0.0053319	0.000982	0.002378125	0.349178041	0.00032	1.01138	0.000106
10.18939394	0.000304572	597.4477	0.007579	0.000734	0.013373	133.3648	6.27E-05	0.0045201	0.00097	0.002009137	0.311922548	0.000271	0.976855	8.06E-05
10.28409091	7.05E-07	597.001	0.00752	0.0007	0.013001	133.1006	6.1E-05	0.0045	0.00097	0.002000021	0.311002137	0.00027	0.976002	8E-05
10.37878788	6.81E-07	597.001	0.00752	0.0007	0.013001	133.1006	6.1E-05	0.0045	0.00097	0.00200002	0.311002064	0.00027	0.976002	8E-05
10.47348485	6.22E-07	597.0009	0.00752	0.0007	0.013001	133.1005	6.1E-05	0.0045	0.00097	0.002000019	0.311001885	0.00027	0.976002	8E-05
10.56818182	7.12E-07	597.001	0.00752	0.0007	0.013001	133.1006	6.1E-05	0.0045	0.00097	0.002000021	0.311002156	0.00027	0.976002	8E-05
10.66287879	5.50E-07	597.0008	0.00752	0.0007	0.013001	133.1005	6.1E-05	0.0045	0.00097	0.002000017	0.311001666	0.00027	0.976002	8E-05

Distance (miles)	Unit Concentration Year 41	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0	0.990787029	1772.457	882.0893219	0.111567226	0.005470716	0.002150745	3.030139191	0.004153517	0.067891944	5.729093912	0.032723611	0.0012315	0.041233245	0.000829079
0.018939394	0.981292427	1758.5	873.8337649	0.110502881	0.005418894	0.002130901	3.003487841	0.004115918	0.0672653	5.70033476	0.032438773	0.0012228	0.041061393	0.000828129
0.037878788	0.954349339	1718.894	850.4067503	0.107482561	0.005271839	0.00207459	2.927858595	0.004009223	0.065487056	5.618724148	0.03163048	0.001198	0.040573723	0.000825435
0.056818182	0.90238291	1642.503	805.2219405	0.101657124	0.004988206	0.00196598	2.781988829	0.003803436	0.062057272	5.461317835	0.030071487	0.0011502	0.039633131	0.000820238
0.075757576	0.856321216	1574.792	765.171297	0.096493608	0.004736801	0.001869711	2.652693652	0.003621032	0.0590172	5.321796962	0.028689636	0.0011078	0.038799414	0.000815632
0.09469697	0.82306999	1525.913	736.259356	0.092766146	0.004555316	0.001800216	2.559357461	0.003489357	0.056822619	5.221078999	0.0276921	0.0010772	0.038197567	0.000812307
0.113636364	0.774830222	1455	694.3148781	0.087358468	0.004292023	0.001699395	2.423948434	0.003298328	0.053638795	5.074960743	0.026244907	0.0010328	0.037324427	0.000807483
0.132575758	0.747115612	1414.26	670.2170247	0.08425166	0.004140757	0.001641472	2.346153523	0.003188578	0.05180963	4.991013189	0.025413468	0.0010073	0.036822793	0.000804712
0.151515152	0.715436399	1367.692	642.6719489	0.08070042	0.003967852	0.001575262	2.257229972	0.003063128	0.049718802	4.895056853	0.024463092	0.0009782	0.036249399	0.000801544
0.170454545	0.691064835	1331.865	621.4808737	0.077968368	0.003834832	0.001524326	2.188818991	0.002966617	0.048110279	4.821235384	0.023731945	0.0009558	0.035808274	0.000799106
0.189393939	0.672315776	1304.304	605.1785675	0.075866599	0.0037325	0.00148514	2.136190384	0.00289237	0.046872841	4.764444487	0.023169473	0.0009385	0.035468916	0.000797232
0.208333333	0.652847528	1275.686	588.250926	0.073684208	0.003626242	0.001444451	2.081543012	0.002815276	0.045587937	4.705475164	0.022585426	0.0009206	0.03511654	0.000795285
0.227272727	0.633119404	1246.686	571.0973221	0.071472685	0.003518566	0.00140322	2.026166168	0.002737153	0.044285881	4.645718676	0.021993582	0.0009025	0.034759461	0.000793312
0.246212121	0.56847322	1151.656	514.8874647	0.064225848	0.003165727	0.001268109	1.844704328	0.002481154	0.040019233	4.449905383	0.020054197	0.000843	0.033589365	0.000786847
0.265151515	0.510002792	1065.704	464.0474275	0.057671313	0.002846595	0.001145906	1.680577837	0.002249611	0.036160184	4.272798457	0.018300084	0.0007892	0.032531051	0.000781
0.284090909	0.478921682	1020.015	437.0224022	0.054187121	0.002676955	0.001080946	1.59333316	0.00212653	0.034108831	4.178653774	0.01736765	0.0007606	0.031968482	0.000777892
0.303030303	0.460793287	993.3661	421.2597627	0.052154927	0.00257801	0.001043058	1.542446755	0.002054741	0.032912357	4.123742865	0.016823799	0.0007439	0.031640358	0.000776079
0.321969697	0.445385277	970.7164	407.8624986	0.05042769	0.002493913	0.001010855	1.499196473	0.001993726	0.031895428	4.077072005	0.016361558	0.0007298	0.031361474	0.000774539
0.340909091	0.435655206	956.4132	399.402202	0.049336949	0.002440806	0.000990519	1.471884164	0.001955195	0.031253244	4.04759962	0.016069656	0.0007208	0.031185359	0.000773566
0.359848485	0.419540435	932.7244	385.3904083	0.047530483	0.002352852	0.00095684	1.426650001	0.00189138	0.030189669	3.998787978	0.015586213	0.000706	0.030893682	0.000771954
0.378787879	0.39640221	898.7112	365.2717216	0.044936688	0.002226563	0.000908481	1.361701003	0.001799753	0.028662546	3.928702294	0.014892066	0.0006847	0.03047488	0.00076964
0.397727273	0.37370798	865.3507	345.5390885	0.042392665	0.002102698	0.00086105	1.2979983	0.001709884	0.027164727	3.859961471	0.014211239	0.0006638	0.030064114	0.000767371
0.416666667	0.343999803	821.6797	319.7078288	0.039062378	0.001940551	0.00079896	1.214607447	0.001592239	0.025203987	3.769975403	0.013319994	0.0006365	0.029526396	0.0007644
0.435606061	0.319324404	785.4069	298.2525693	0.036296266	0.001805873	0.000747388	1.145343602	0.001494525	0.023575411	3.69523362	0.012579732	0.0006138	0.029079772	0.000761932
0.454545455	0.305692255	765.3676	286.3994162	0.034768102	0.001731468	0.000718897	1.107078161	0.001440541	0.022675689	3.653941842	0.012170768	0.0006012	0.02883303	0.000760569
0.473484848	0.297640413	753.5314	279.3983391	0.03386549	0.001687521	0.000702068	1.084476639	0.001408656	0.022144267	3.629552811	0.011929212	0.0005938	0.028687291	0.000759764
0.492424242	0.290989995	743.7553	273.6158007	0.033119978	0.001651223	0.000688169	1.065808916	0.00138232	0.02170534	3.609408695	0.0117297	0.0005877	0.028566919	0.000759099
0.511363636	0.283629835	732.9359	267.2161412	0.032294904	0.001611052	0.000672786	1.045148946	0.001353174	0.021219569	3.587114769	0.011508895	0.0005809	0.0284337	0.000758363
0.53030303	0.27710712	723.3475	261.5446405	0.031563708	0.001575451	0.000659154	1.026839685	0.001327344	0.02078907	3.567357465	0.011313214	0.0005749	0.028315639	0.000757711
0.549242424	0.270150065	713.1206	255.4954819	0.030783822	0.001537479	0.000644614	1.007311234	0.001299794	0.020329904	3.546284548	0.011104502	0.0005685	0.028189716	0.000757015
0.568181818	0.253010392	687.9253	240.592536	0.028862465	0.001443931	0.000608792	0.959200171	0.001231921	0.019198686	3.494368478	0.010590312	0.0005528	0.027879488	0.000755301
0.587121212	0.240325049	669.2778	229.5626297	0.027440438	0.001374694	0.000582279	0.923592411	0.001181687	0.018361453	3.455944572	0.010209751	0.0005411	0.027649883	0.000754033
0.606060606	0.231182709	655.8386	221.6133658	0.026415582	0.001324795	0.000563172	0.897929865	0.001145484	0.017758059	3.428252427	0.009935481	0.0005327	0.027484407	0.000753118
0.625	0.219534129	638.7152	211.4849251	0.025109776	0.001261217	0.000538826	0.8652323	0.001099355	0.016989253	3.392968876	0.009586024	0.000522	0.027273568	0.000751953
0.643939394	0.209054738	623.3105	202.3730949	0.023935036	0.001204021	0.000516924	0.83581665	0.001057857	0.016297613	3.361226802	0.009271642	0.0005123	0.027083891	0.000750905
0.662878788	0.204224452	616.2099	198.1731613	0.023393561	0.001177657	0.000506829	0.822258038	0.001038729	0.015978814	3.346595866	0.009126734	0.0005079	0.026996463	0.000750422
0.681818182	0.20015265	610.2244	194.6327296	0.022937112	0.001155433	0.000498319	0.81082849	0.001022604	0.015710075	3.334262378	0.00900458	0.0005041	0.026922763	0.000750015
0.700757576	0.192333668	598.7305	187.8341247	0.022060604	0.001112757	0.000481977	0.788880607	0.000991641	0.015194022	3.310578682	0.00877001	0.0004969	0.026781239	0.000749233
0.71969697	0.179716676	580.1835	176.8636502	0.020646239	0.001043894	0.000455608	0.753464711	0.000941678	0.014361301	3.272361813	0.0083915	0.0004853	0.026552872	0.000747972
0.738636364	0.169471294	565.1228	167.9552899	0.019497732	0.000987974	0.000434195	0.724705921	0.000901106	0.013685105	3.241328549	0.008084139	0.0004759	0.02636743	0.000746947
0.757575758	0.159692124	550.7474	159.4523014	0.018401487	0.0009346	0.000413757	0.697255791	0.000862381	0.01303968	3.211707442	0.007790764	0.0004669	0.026190427	0.000745969
0.776515152	0.155793235	545.0161	156.0622176	0.017964422	0.000913319	0.000405608	0.68631161	0.000846941	0.012782353	3.199897708	0.007673797	0.0004633	0.026119858	0.000745579
0.795454545	0.151401594	538.5603	152.2436862	0.017472119	0.00088935	0.000396429	0.673984275	0.00082955	0.012492505	3.186595429	0.007542048	0.0004593	0.026040369	0.00074514
0.814393939	0.146612167	531.5199	148.0792795	0.016935224	0.000863209	0.000386419	0.660540354	0.000810584	0.012176403	3.172088255	0.007398365	0.0004549	0.02595368	0.000744661
0.833333333	0.142316669	525.2055	144.3443439	0.016453699	0.000839764	0.000377442	0.648482891	0.000793574	0.0118929	3.159077191	0.0072695	0.0004509	0.025875932	0.000744232
0.852272727	0.138031363	518.9061	140.6182706	0.015973316	0.000816375	0.000368486	0.636454037	0.000776604	0.01161007	3.146097	0.007140941	0.000447	0.025798368	0.000743803
0.871212121	0.134070396	513.0835	137.1742097	0.015529291	0.000794756	0.000360207	0.625335603	0.000760919	0.011348646	3.134099231	0.007022112	0.0004433	0.025726674	0.000743407
0.890151515	0.131848559	509.8174	135.2423219	0.015280223	0.000782629	0.000355563	0.619098905	0.00075212	0.011202005	3.127369285	0.006955457	0.0004413	0.025686459	0.000743185
0.909090909	0.129860371	506.8947	133.5135929	0.015057348	0.000771778	0.000351408	0.613518062	0.000744247	0.011070785	3.121347065	0.006895811	0.0004395	0.025650473	0.000742986
0.928030303	0.128100216	504.3073	131.9831381	0.014860034	0.000762171	0.000347729	0.608577307	0.000737277	0.010954614	3.116015555	0.006843006	0.0004379	0.025618614	0.00074281

Distance (miles)	Unit Concentration Year 41	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0.946969697	0.125573173	500.5926	129.7858741	0.014576753	0.000748378	0.000342448	0.601483897	0.00072727	0.010787829	3.108361142	0.006767195	0.0004355	0.025572874	0.000742557
0.965909091	0.11919193	491.2121	124.2373829	0.013861415	0.00071355	0.000329111	0.583571747	0.000702	0.010366667	3.089032355	0.006575758	0.0004297	0.025457374	0.000741919
0.984848485	0.104339443	469.379	111.3231458	0.012196452	0.000632485	0.000298069	0.541880817	0.000643184	0.009386403	3.044044173	0.006130183	0.000416	0.025188544	0.000740434
1.003787879	0.088965893	446.7799	97.95584378	0.010473077	0.000548576	0.000265939	0.498727261	0.000582305	0.008371749	2.997477689	0.005668977	0.0004018	0.024910283	0.000738897
1.022727273	0.085173391	441.2049	94.65826331	0.010047937	0.000527876	0.000258012	0.488081708	0.000567287	0.008121444	2.985990201	0.005555202	0.0003984	0.024841638	0.000738517
1.041666667	0.078858316	431.9217	89.16730571	0.009340017	0.000493409	0.000244814	0.470355293	0.000542279	0.007704649	2.966861839	0.005365749	0.0003925	0.024727336	0.000737886
1.060606061	0.0748761	426.0679	85.7047688	0.008893611	0.000471674	0.000236491	0.459177212	0.000526509	0.007441823	2.954799706	0.005246283	0.0003889	0.024655257	0.000737488
1.079545455	0.072145678	422.0541	83.33066711	0.008587531	0.000456771	0.000230784	0.451512918	0.000515697	0.007261615	2.946529259	0.00516437	0.0003864	0.024605837	0.000737215
1.098484848	0.069526464	418.2039	81.05326023	0.008293917	0.000442475	0.00022531	0.444160784	0.000505325	0.007088747	2.938595659	0.005085794	0.000384	0.024558429	0.000736953
1.117424242	0.067363746	415.0247	79.17277755	0.008051476	0.000430671	0.00022079	0.438090036	0.00049676	0.006946007	2.932044788	0.005020912	0.000382	0.024519284	0.000736736
1.136363636	0.064969726	411.5055	77.09117668	0.007783106	0.000417605	0.000215787	0.431370021	0.00048728	0.006788002	2.9247933	0.004949092	0.0003798	0.024475952	0.000736497
1.15530303	0.062379468	407.6978	74.83894763	0.007492738	0.000403467	0.000210373	0.424099167	0.000477023	0.006617045	2.916947409	0.004871384	0.0003774	0.024429068	0.000736238
1.174242424	0.059615739	403.6351	72.43588479	0.007182924	0.000388383	0.000204597	0.416341379	0.000466078	0.006434639	2.908576072	0.004788472	0.0003748	0.024379045	0.000735962
1.193181818	0.057012077	399.8078	70.17200132	0.006891054	0.000374172	0.000199155	0.409032901	0.000455768	0.006262797	2.900689583	0.004710362	0.0003725	0.024331919	0.000735701
1.212121212	0.055744782	397.9448	69.07008803	0.00674899	0.000367255	0.000196507	0.405475603	0.000450749	0.006179156	2.896850945	0.004672343	0.0003713	0.024308981	0.000735574
1.231060606	0.050638653	390.4388	64.63030908	0.006176593	0.000339386	0.000185835	0.3911427	0.000430529	0.005842151	2.881384481	0.00451916	0.0003666	0.02421656	0.000735064
1.25	0.046455696	384.2899	60.99322787	0.005707684	0.000316555	0.000177092	0.379401139	0.000413965	0.005566076	2.868714304	0.004393671	0.0003627	0.024140848	0.000734646
1.268939394	0.042287532	378.1627	57.36900928	0.005240432	0.000293805	0.000168381	0.367701103	0.000397459	0.005290977	2.856088935	0.004268626	0.0003589	0.024065404	0.000734229
1.287878788	0.033664189	365.4864	49.87101258	0.004273756	0.000246739	0.000150358	0.343495379	0.00036331	0.004721836	2.829968829	0.004009926	0.000351	0.023909322	0.000733366
1.306818182	0.03114347	361.7809	47.67924694	0.003991183	0.000232981	0.00014509	0.33641972	0.000353328	0.004555469	2.82233357	0.003934304	0.0003487	0.023863697	0.000733114
1.325757576	0.0291868	358.9046	45.97792271	0.00377184	0.000222302	0.000141	0.330927348	0.00034558	0.004426329	2.816406818	0.003875604	0.0003469	0.023828281	0.000732919
1.34469697	0.026659412	355.1893	43.780359	0.00348852	0.000208507	0.000135718	0.32383297	0.000335571	0.004259521	2.80875136	0.003799782	0.0003445	0.023782535	0.000732666
1.363636364	0.023548346	350.6161	41.07528686	0.00313977	0.000191527	0.000129216	0.315100207	0.000323251	0.004054191	2.79932794	0.00370645	0.0003417	0.023726225	0.000732355
1.382575758	0.017679412	341.9887	35.97224866	0.002481862	0.000159494	0.00011695	0.298626109	0.00030001	0.003666841	2.781550939	0.003530382	0.0003363	0.023619997	0.000731768
1.401515152	0.013967577	336.5323	32.74480852	0.002065765	0.000139235	0.000109192	0.28820699	0.000285312	0.00342186	2.770307792	0.003419027	0.0003329	0.023552813	0.000731397
1.420454545	0.012807301	334.8267	31.73594843	0.001935698	0.000132902	0.000106767	0.284950095	0.000280717	0.003345282	2.766793315	0.003384219	0.0003318	0.023531812	0.000731281
1.439393939	0.01149473	332.8973	30.59466745	0.001788559	0.000125738	0.000104024	0.281265706	0.000275519	0.003258652	2.762817536	0.003344842	0.0003306	0.023508055	0.000731149
1.458333333	0.01005143	330.7756	29.33971856	0.001626765	0.000117861	0.000101007	0.277214365	0.000269804	0.003163394	2.758445782	0.003301543	0.0003292	0.023481931	0.000731005
1.477272727	0.008565401	328.5911	28.04761593	0.001460181	0.00010975	9.79017E-05	0.27304308	0.000263919	0.003065316	2.753944599	0.003256962	0.0003279	0.023455034	0.000730857
1.496212121	0.007351188	326.8062	26.99185796	0.001324068	0.000103123	9.5364E-05	0.269634785	0.000259111	0.002985178	2.750266748	0.003220536	0.0003268	0.023433057	0.000730735
1.515151515	0.006043006	324.8832	25.85439389	0.001177421	9.59827E-05	9.26299E-05	0.265962718	0.00025393	0.002898838	2.746304266	0.00318129	0.0003256	0.023409378	0.000730604
1.534090909	0.004707221	322.9196	24.69292861	0.001027679	8.8692E-05	8.98381E-05	0.262213169	0.000248641	0.002810677	2.742258172	0.003141217	0.0003243	0.023385201	0.000730471
1.553030303	0.003396947	320.9935	23.55364536	0.000880798	8.15405E-05	8.70996E-05	0.25853523	0.000243452	0.002724198	2.738289352	0.003101908	0.0003231	0.023361485	0.00073034
1.571969697	0.002095965	319.0811	22.42244195	0.000734958	7.44398E-05	8.43806E-05	0.254883375	0.0002383	0.002638334	2.734348679	0.003062879	0.0003219	0.023337937	0.00073021
1.590909091	0.001798757	318.6442	22.16401932	0.000701641	7.28176E-05	8.37594E-05	0.254049111	0.000237123	0.002618718	2.733448435	0.003053963	0.0003217	0.023332558	0.00073018
1.609848485	0.001491086	318.1919	21.89649926	0.000667151	7.11383E-05	8.31164E-05	0.253185478	0.000235905	0.002598412	2.732516499	0.003044733	0.0003214	0.023326989	0.000730149
1.628787879	0.00114438	317.6822	21.59503848	0.000628285	6.9246E-05	8.23918E-05	0.252212275	0.000234532	0.002575529	2.731466327	0.003034331	0.0003211	0.023320713	0.000730114
1.647727273	0.000797209	317.1719	21.29317356	0.000589367	6.73512E-05	8.16662E-05	0.251237767	0.000233157	0.002552616	2.730414747	0.003023916	0.0003207	0.023314429	0.00073008
1.666666667	0.000381756	316.5612	20.93193709	0.000542795	6.50836E-05	8.07979E-05	0.25007159	0.000231512	0.002525196	2.72915634	0.003011453	0.0003204	0.02330691	0.000730038
1.685606061	0.000350916	316.5158	20.90512136	0.000539338	6.49153E-05	8.07334E-05	0.249985021	0.00023139	0.00252316	2.729062924	0.003010527	0.0003203	0.023306352	0.000730035
1.704545455	0.000302094	316.4441	20.86267104	0.000533865	6.46488E-05	8.06314E-05	0.249847979	0.000231196	0.002519938	2.728915044	0.003009063	0.0003203	0.023305468	0.00073003
1.723484848	0.000229624	316.3375	20.79965765	0.000525741	6.42533E-05	8.04799E-05	0.249644553	0.000230909	0.002515155	2.72869553	0.003006889	0.0003202	0.023304156	0.000730023
1.742424242	0.000171322	316.2518	20.74896488	0.000519205	6.39351E-05	8.03581E-05	0.249480902	0.000230678	0.002511307	2.728518936	0.00300514	0.0003202	0.023303101	0.000730017
1.761363636	0.000122923	316.1807	20.70688133	0.00051378	6.36709E-05	8.02569E-05	0.249345044	0.000230487	0.002508113	2.728372333	0.003003688	0.0003201	0.023302225	0.000730012
1.78030303	3.86E-05	316.0567	20.63352942	0.000504323	6.32105E-05	8.00806E-05	0.249108243	0.000230153	0.002502545	2.728116803	0.003001157	0.00032	0.023300698	0.000730004
1.799242424	2.90E-05	316.0426	20.62519456	0.000503248	6.31582E-05	8.00606E-05	0.249081335	0.000230115	0.002501912	2.728087768	0.003000869	0.00032	0.023300524	0.000730003
1.818181818	2.09E-05	316.0307	20.61815978	0.000502341	6.3114E-05	8.00437E-05	0.249058625	0.000230083	0.002501378	2.728063262	0.003000627	0.00032	0.023300378	0.000730002
1.837121212	1.31E-05	316.0192	20.61134787	0.000501463	6.30712E-05	8.00273E-05	0.249036634	0.000230052	0.002500861	2.728039532	0.003000392	0.00032	0.023300236	0.000730001
1.856060606	7.27E-06	316.0107	20.60632526	0.000500815	6.30397E-05	8.00152E-05	0.24902042	0.000230029	0.00250048	2.728022035	0.003000218	0.00032	0.023300132	0.000730001
1.875	6.25E-06	316.0092	20.60543731	0.000500701	6.30341E-05	8.00131E-05	0.249017553	0.000230025	0.002500413	2.728018941	0.003000188	0.00032	0.023300113	0.000730001

Distance (miles)	Unit Concentration Year 41	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
1.893939394	4.88E-06	316.0072	20.60423948	0.000500547	6.30266E-05	8.00102E-05	0.249013686	0.000230019	0.002500322	2.728014769	0.003000146	0.00032	0.023300088	0.00073
1.912878788	3.41E-06	316.005	20.60296292	0.000500382	6.30186E-05	8.00071E-05	0.249009565	0.000230013	0.002500225	2.728010322	0.003000102	0.00032	0.023300062	0.00073
1.931818182	2.01E-06	316.003	20.60174563	0.000500225	6.3011E-05	8.00042E-05	0.249005635	0.000230008	0.002500133	2.728006081	0.00300006	0.00032	0.023300036	0.00073
1.950757576	7.70E-07	316.0011	20.60066992	0.000500086	6.30042E-05	8.00016E-05	0.249002163	0.000230003	0.002500051	2.728002334	0.003000023	0.00032	0.023300014	0.00073
1.96969697	5.48E-07	316.0008	20.60047611	0.000500061	6.3003E-05	8.00011E-05	0.249001537	0.000230002	0.002500036	2.728001659	0.003000016	0.00032	0.02330001	0.00073
1.988636364	4.29E-07	316.0006	20.60037279	0.000500048	6.30023E-05	8.00009E-05	0.249001203	0.000230002	0.002500028	2.728001299	0.003000013	0.00032	0.023300008	0.00073
2.007575758	3.24E-07	316.0005	20.60028182	0.000500036	6.30018E-05	8.00007E-05	0.24900091	0.000230001	0.002500021	2.728000982	0.00300001	0.00032	0.023300006	0.00073
2.026515152	2.36E-07	316.0003	20.60020544	0.000500026	6.30013E-05	8.00005E-05	0.249000663	0.000230001	0.002500016	2.728000716	0.003000007	0.00032	0.023300004	0.00073
2.045454545	1.65E-07	316.0002	20.60014366	0.000500019	6.30009E-05	8.00003E-05	0.249000464	0.000230001	0.002500011	2.7280005	0.003000005	0.00032	0.023300003	0.00073
2.064393939	1.11E-07	316.0002	20.60009689	0.000500012	6.30006E-05	8.00002E-05	0.249000313	0.00023	0.002500007	2.728000338	0.003000003	0.00032	0.023300002	0.00073
2.083333333	7.13E-08	316.0001	20.60006196	0.000500008	6.30004E-05	8.00001E-05	0.2490002	0.00023	0.002500005	2.728000216	0.003000002	0.00032	0.023300001	0.00073
2.102272727	4.17E-08	316.0001	20.60003629	0.000500005	6.30002E-05	8.00001E-05	0.249000117	0.00023	0.002500003	2.728000126	0.003000001	0.00032	0.023300001	0.00073
2.121212121	2.12E-08	316	20.60001843	0.000500002	6.30001E-05	8E-05	0.24900006	0.00023	0.002500001	2.728000064	0.003000001	0.00032	0.0233	0.00073
2.140151515	6.90E-09	316	20.600006	0.000500001	6.3E-05	8E-05	0.249000019	0.00023	0.0025	2.728000021	0.003	0.00032	0.0233	0.00073
2.159090909	5.45E-09	316	20.60000474	0.000500001	6.3E-05	8E-05	0.249000015	0.00023	0.0025	2.728000017	0.003	0.00032	0.0233	0.00073
2.178030303	4.18E-09	316	20.60000364	0.0005	6.3E-05	8E-05	0.249000012	0.00023	0.0025	2.728000013	0.003	0.00032	0.0233	0.00073
2.196969697	3.05E-09	316	20.60000265	0.0005	6.3E-05	8E-05	0.249000009	0.00023	0.0025	2.728000009	0.003	0.00032	0.0233	0.00073
2.215909091	2.13E-09	316	20.60000185	0.0005	6.3E-05	8E-05	0.249000006	0.00023	0.0025	2.728000006	0.003	0.00032	0.0233	0.00073
2.234848485	1.42E-09	316	20.60000124	0.0005	6.3E-05	8E-05	0.249000004	0.00023	0.0025	2.728000004	0.003	0.00032	0.0233	0.00073
2.253787879	8.98E-10	316	20.60000078	0.0005	6.3E-05	8E-05	0.249000003	0.00023	0.0025	2.728000003	0.003	0.00032	0.0233	0.00073
2.272727273	5.24E-10	316	20.60000046	0.0005	6.3E-05	8E-05	0.249000001	0.00023	0.0025	2.728000002	0.003	0.00032	0.0233	0.00073
2.291666667	2.83E-10	316	20.60000025	0.0005	6.3E-05	8E-05	0.249000001	0.00023	0.0025	2.728000001	0.003	0.00032	0.0233	0.00073
2.310606061	1.28E-10	316	20.60000011	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.329545455	5.19E-11	316	20.60000005	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.348484848	3.33E-11	316	20.60000003	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.367424242	2.55E-11	316	20.60000002	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.386363636	1.88E-11	316	20.60000002	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.40530303	1.33E-11	316	20.60000001	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.424242424	8.92E-12	316	20.60000001	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.443181818	5.99E-12	316	20.60000001	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.462121212	4.11E-12	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.481060606	2.86E-12	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.5	1.95E-12	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.518939394	1.26E-12	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.537878788	8.81E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.556818182	6.01E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.575757576	3.90E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.59469697	2.32E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.613636364	1.12E-13	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.632575758	8.27E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.651515152	6.28E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.670454545	4.67E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.689393939	3.43E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.708333333	2.49E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.727272727	1.78E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.746212121	1.23E-14	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.765151515	8.10E-15	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.784090909	4.96E-15	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.803030303	2.40E-15	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.821969697	1.03E-15	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073

Distance (miles)	Unit Concentration Year 41	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
2.840909091	7.88E-16	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.859848485	5.82E-16	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.878787879	4.18E-16	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.897727273	2.92E-16	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.916666667	1.98E-16	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.935606061	1.29E-16	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.954545455	7.84E-17	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.973484848	4.21E-17	316	20.6	0.0005	6.3E-05	8E-05	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
2.992424242	1.92E-17	316	20.6	0.0005	6.3E-05	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.087121212	5.02E-18	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.181818182	1.78E-18	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.276515152	4.40E-19	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.371212121	6.78E-20	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.465909091	2.71E-20	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.560606061	9.11E-21	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.65530303	2.66E-21	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.75	5.17E-22	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.84469697	1.98E-22	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
3.939393939	7.83E-23	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.034090909	3.30E-23	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.128787879	1.40E-23	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.223484848	3.91E-24	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.318181818	1.65E-24	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.412878788	4.97E-25	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.507575758	2.08E-25	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.602272727	8.83E-26	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.696969697	3.89E-26	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.791666667	1.75E-26	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.886363636	8.10E-27	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
4.981060606	3.68E-27	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.075757576	1.05E-27	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.170454545	3.27E-28	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.265151515	1.50E-28	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.359848485	6.97E-29	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.454545455	2.41E-29	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.549242424	7.48E-30	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.643939394	2.74E-30	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.738636364	1.30E-30	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.833333333	4.63E-31	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
5.928030303	1.05E-31	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
6.022727273	4.12E-32	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
6.117424242	1.06E-32	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
6.212121212	3.57E-33	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
6.306818182	1.09E-33	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
6.401515152	2.26E-34	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
6.496212121	7.63E-35	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
6.590909091	1.65E-35	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
6.685606061	6.92E-36	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
6.78030303	3.23E-36	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
6.875	1.54E-36	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073

Distance (miles)	Unit Concentration Year 41	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
6.96969697	7.40E-37	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
7.064393939	3.61E-37	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
7.159090909	1.78E-37	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
7.253787879	8.96E-38	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
7.348484848	4.56E-38	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
7.443181818	2.32E-38	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
7.537878788	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
7.632575758	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
7.727272727	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
7.821969697	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
7.916666667	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
8.011363636	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
8.106060606	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
8.200757576	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
8.295454545	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
8.390151515	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
8.484848485	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
8.579545455	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
8.674242424	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
8.768939394	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
8.863636364	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
8.958333333	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
9.053030303	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
9.147727273	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
9.242424242	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
9.337121212	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
9.431818182	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
9.526515152	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
9.621212121	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
9.715909091	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
9.810606061	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
9.90530303	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
10	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
10.09469697	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
10.18939394	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
10.28409091	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
10.37878788	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
10.47348485	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
10.56818182	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073
10.66287879	0	316	20.6	0.0005	0.000063	0.00008	0.249	0.00023	0.0025	2.728	0.003	0.00032	0.0233	0.00073

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0	0.95043242	1713.136	847.001	0.107043	0.00525	0.002066	2.916864	0.00399371	0.065229	5.6068598	0.031513	0.001194	0.040503	0.000825
0.018939394	0.931203663	1684.869	830.2816	0.104888	0.005146	0.002026	2.862889	0.00391757	0.063959	5.5486159	0.0309361	0.001177	0.040155	0.000823
0.037878788	0.918114066	1665.628	818.9002	0.103421	0.005074	0.001999	2.826146	0.00386573	0.063096	5.50896751	0.0305434	0.001165	0.039918	0.000822
0.056818182	0.901649475	1641.425	804.5842	0.101575	0.004984	0.001964	2.77993	0.00380053	0.062009	5.45909626	0.0300495	0.00115	0.03962	0.00082
0.075757576	0.882655859	1613.504	788.0693	0.099446	0.004881	0.001925	2.726615	0.00372532	0.060755	5.4015646	0.0294797	0.001132	0.039276	0.000818
0.09469697	0.859908938	1580.066	768.2908	0.096896	0.004756	0.001877	2.662764	0.00363524	0.059254	5.33266417	0.0287973	0.001111	0.038864	0.000816
0.113636364	0.841495812	1552.999	752.2806	0.094832	0.004656	0.001839	2.611079	0.00356232	0.058039	5.27689081	0.0282449	0.001094	0.038531	0.000814
0.132575758	0.825809062	1529.939	738.641	0.093073	0.00457	0.001806	2.567046	0.0035002	0.057003	5.22937565	0.0277743	0.00108	0.038247	0.000813
0.151515152	0.804055512	1497.962	719.7263	0.090635	0.004452	0.00176	2.505984	0.00341406	0.055568	5.16348415	0.0271217	0.00106	0.037853	0.00081
0.170454545	0.776270211	1457.117	695.5669	0.08752	0.0043	0.001702	2.42799	0.00330403	0.053734	5.07932247	0.0262881	0.001034	0.03735	0.000808
0.189393939	0.75398165	1424.353	676.187	0.085021	0.004178	0.001656	2.365426	0.00321577	0.052263	5.01181042	0.0256194	0.001014	0.036947	0.000805
0.208333333	0.729429126	1388.261	654.8386	0.082269	0.004044	0.001605	2.296508	0.00311854	0.050642	4.93744082	0.0248829	0.000991	0.036503	0.000803
0.227272727	0.699382246	1344.092	628.7129	0.078901	0.00388	0.001542	2.212166	0.00299955	0.048659	4.84642882	0.0239815	0.000963	0.035959	0.0008
0.246212121	0.683282137	1320.425	614.7138	0.077096	0.003792	0.001508	2.166973	0.0029358	0.047597	4.79766159	0.0234985	0.000949	0.035667	0.000798
0.265151515	0.658566117	1284.092	593.2232	0.074325	0.003657	0.001456	2.097595	0.00283792	0.045965	4.72279677	0.022757	0.000926	0.03522	0.000796
0.284090909	0.645725131	1265.216	582.058	0.072886	0.003587	0.00143	2.06155	0.00278707	0.045118	4.68390142	0.0223718	0.000914	0.034988	0.000795
0.303030303	0.632698417	1246.067	570.7313	0.071425	0.003516	0.001402	2.024984	0.00273549	0.044258	4.6444435	0.021981	0.000902	0.034752	0.000793
0.321969697	0.623742461	1232.901	562.9441	0.070422	0.003467	0.001384	1.999845	0.00270002	0.043667	4.61731591	0.0217123	0.000894	0.03459	0.000792
0.340909091	0.614187539	1218.856	554.6361	0.06935	0.003415	0.001364	1.973024	0.00266218	0.043036	4.58837405	0.0214256	0.000885	0.034417	0.000791
0.359848485	0.603290319	1202.837	545.1609	0.068129	0.003356	0.001341	1.942436	0.00261903	0.042317	4.55536638	0.0210987	0.000875	0.03422	0.00079
0.378787879	0.594688475	1190.192	537.6816	0.067165	0.003309	0.001323	1.918291	0.00258497	0.041749	4.52931139	0.0208407	0.000867	0.034064	0.000789
0.397727273	0.58731389	1179.351	531.2694	0.066338	0.003269	0.001307	1.89759	0.00255576	0.041263	4.50697377	0.0206194	0.00086	0.03393	0.000789
0.416666667	0.579045177	1167.196	524.0798	0.065411	0.003223	0.00129	1.87438	0.00252302	0.040717	4.48192784	0.0203714	0.000853	0.033781	0.000788
0.435606061	0.569980085	1153.871	516.1977	0.064395	0.003174	0.001271	1.848934	0.00248712	0.040119	4.45446968	0.0200994	0.000844	0.033617	0.000787
0.454545455	0.561349869	1141.184	508.6937	0.063427	0.003127	0.001253	1.824709	0.00245295	0.039549	4.42832875	0.0198405	0.000836	0.03346	0.000786
0.473484848	0.554793954	1131.547	502.9933	0.062692	0.003091	0.00124	1.806307	0.00242698	0.039116	4.40847089	0.0196438	0.00083	0.033342	0.000785
0.492424242	0.549207807	1123.335	498.1362	0.062066	0.003061	0.001228	1.790626	0.00240486	0.038748	4.39155045	0.0194762	0.000825	0.033241	0.000785
0.511363636	0.543452382	1114.875	493.1318	0.061421	0.003029	0.001216	1.774471	0.00238207	0.038368	4.37411727	0.0193036	0.00082	0.033136	0.000784
0.53030303	0.537527084	1106.165	487.9798	0.060757	0.002997	0.001203	1.757839	0.00235861	0.037977	4.35616954	0.0191258	0.000815	0.033029	0.000784
0.549242424	0.532520235	1098.805	483.6263	0.060196	0.002969	0.001193	1.743784	0.00233878	0.037646	4.34100379	0.0189756	0.00081	0.032939	0.000783
0.568181818	0.527090728	1090.823	478.9054	0.059587	0.00294	0.001182	1.728544	0.00231728	0.037288	4.32455782	0.0188127	0.000805	0.03284	0.000783
0.587121212	0.521060348	1081.959	473.662	0.058911	0.002907	0.001169	1.711616	0.0022934	0.03689	4.30629179	0.0186318	0.000799	0.032731	0.000782
0.606060606	0.516751707	1075.625	469.9156	0.058428	0.002883	0.00116	1.699522	0.00227634	0.036606	4.29324092	0.0185026	0.000795	0.032653	0.000782
0.625	0.51337105	1070.655	466.9761	0.058049	0.002865	0.001153	1.690033	0.00226295	0.036382	4.28300091	0.0184011	0.000792	0.032592	0.000781
0.643939394	0.51021564	1066.017	464.2325	0.057695	0.002848	0.001146	1.681175	0.00225045	0.036174	4.27344317	0.0183065	0.000789	0.032535	0.000781
0.662878788	0.506402612	1060.412	460.9171	0.057268	0.002827	0.001138	1.670472	0.00223535	0.035923	4.26189351	0.0181921	0.000786	0.032466	0.000781
0.681818182	0.501645029	1053.418	456.7804	0.056734	0.002801	0.001128	1.657118	0.00221651	0.035609	4.24748279	0.0180494	0.000782	0.03238	0.00078
0.700757576	0.492364466	1039.776	448.7109	0.055694	0.00275	0.001109	1.631067	0.00217976	0.034996	4.21937197	0.0177709	0.000773	0.032212	0.000779
0.71969697	0.486757457	1031.533	443.8356	0.055066	0.00272	0.001097	1.615328	0.00215756	0.034626	4.20238834	0.0176027	0.000768	0.03211	0.000779
0.738636364	0.478852183	1019.913	436.962	0.054179	0.002677	0.001081	1.593138	0.00212625	0.034104	4.17844326	0.0173656	0.000761	0.031967	0.000778
0.757575758	0.462679029	996.1382	422.8994	0.052366	0.002588	0.001047	1.54774	0.00206221	0.033037	4.12945478	0.0168804	0.000746	0.031674	0.000776

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
0.776515152	0.457969308	989.2149	418.8043	0.051838	0.002563	0.001037	1.53452	0.00204356	0.032726	4.11518903	0.0167391	0.000741	0.031589	0.000776
0.795454545	0.454263389	983.7672	415.582	0.051423	0.002542	0.001029	1.524117	0.00202888	0.032481	4.10396381	0.0166279	0.000738	0.031522	0.000775
0.814393939	0.452300519	980.8818	413.8753	0.051203	0.002532	0.001025	1.518608	0.00202111	0.032352	4.09801827	0.016569	0.000736	0.031487	0.000775
0.833333333	0.450031638	977.5465	411.9025	0.050949	0.002519	0.001021	1.512239	0.00201213	0.032202	4.09114583	0.0165009	0.000734	0.031446	0.000775
0.852272727	0.447337508	973.5861	409.56	0.050647	0.002505	0.001015	1.504676	0.00200146	0.032024	4.08298531	0.0164201	0.000732	0.031397	0.000775
0.871212121	0.44410491	968.8342	406.7492	0.050284	0.002487	0.001008	1.495602	0.00198866	0.031811	4.07319377	0.0163231	0.000729	0.031338	0.000774
0.890151515	0.440773338	963.9368	403.8524	0.049911	0.002469	0.001001	1.486251	0.00197546	0.031591	4.06310244	0.0162232	0.000726	0.031278	0.000774
0.909090909	0.438971162	961.2876	402.2854	0.049709	0.002459	0.000997	1.481192	0.00196833	0.031472	4.05764365	0.0161691	0.000724	0.031245	0.000774
0.928030303	0.43663919	957.8596	400.2578	0.049447	0.002446	0.000993	1.474646	0.00195909	0.031318	4.05058011	0.0160992	0.000722	0.031203	0.000774
0.946969697	0.433373749	953.0594	397.4185	0.049081	0.002428	0.000986	1.46548	0.00194616	0.031103	4.04068909	0.0160012	0.000719	0.031144	0.000773
0.965909091	0.428116381	945.3311	392.8472	0.048492	0.0024	0.000975	1.450723	0.00192534	0.030756	4.02476452	0.0158435	0.000714	0.031049	0.000773
0.984848485	0.422221929	936.6662	387.722	0.047831	0.002367	0.000962	1.434177	0.001902	0.030367	4.00691022	0.0156667	0.000708	0.030942	0.000772
1.003787879	0.410835117	919.9276	377.8211	0.046555	0.002305	0.000939	1.402214	0.00185691	0.029615	3.97241957	0.0153251	0.000698	0.030736	0.000771
1.022727273	0.408961892	917.174	376.1924	0.046345	0.002295	0.000935	1.396956	0.00184949	0.029491	3.96674557	0.0152689	0.000696	0.030702	0.000771
1.041666667	0.404962987	911.2956	372.7153	0.045896	0.002273	0.000926	1.385731	0.00183365	0.029228	3.95463289	0.0151489	0.000693	0.03063	0.00077
1.060606061	0.400201023	904.2955	368.5748	0.045363	0.002247	0.000916	1.372364	0.0018148	0.028913	3.9402089	0.015006	0.000688	0.030544	0.00077
1.079545455	0.395615488	897.5548	364.5877	0.044848	0.002222	0.000907	1.359493	0.00179664	0.028611	3.92631931	0.0148685	0.000684	0.030461	0.00077
1.098484848	0.39154163	891.5662	361.0454	0.044392	0.0022	0.000898	1.348057	0.0017805	0.028342	3.9139796	0.0147462	0.00068	0.030387	0.000769
1.117424242	0.387301564	885.3333	357.3587	0.043917	0.002177	0.000889	1.336155	0.00176371	0.028062	3.90113644	0.014619	0.000676	0.03031	0.000769
1.136363636	0.383455455	879.6795	354.0145	0.043485	0.002156	0.000881	1.325359	0.00174848	0.027808	3.88948657	0.0145037	0.000673	0.030241	0.000768
1.15530303	0.379758596	874.2451	350.8001	0.043071	0.002136	0.000874	1.314982	0.00173384	0.027564	3.87828879	0.0143928	0.000669	0.030174	0.000768
1.174242424	0.375778615	868.3946	347.3395	0.042625	0.002114	0.000865	1.303811	0.00171808	0.027301	3.86623343	0.0142734	0.000666	0.030102	0.000768
1.193181818	0.371674865	862.3621	343.7713	0.042165	0.002092	0.000857	1.292291	0.00170183	0.027031	3.85380317	0.0141502	0.000662	0.030027	0.000767
1.212121212	0.367999911	856.9599	340.5759	0.041753	0.002072	0.000849	1.281976	0.00168728	0.026788	3.84267173	0.01404	0.000659	0.029961	0.000767
1.231060606	0.365680724	853.5507	338.5594	0.041493	0.002059	0.000844	1.275466	0.0016781	0.026635	3.83564691	0.0139704	0.000656	0.029919	0.000767
1.25	0.362482548	848.8493	335.7786	0.041134	0.002041	0.000838	1.266489	0.00166543	0.026424	3.82595964	0.0138745	0.000653	0.029861	0.000766
1.268939394	0.356137067	839.5215	330.2612	0.040423	0.002007	0.000824	1.248677	0.0016403	0.026005	3.80673918	0.0136841	0.000648	0.029746	0.000766
1.287878788	0.342868209	820.0163	318.7239	0.038936	0.001934	0.000797	1.211431	0.00158776	0.025129	3.7665478	0.013286	0.000635	0.029506	0.000764
1.306818182	0.336163133	810.1598	312.8938	0.038184	0.001898	0.000783	1.19261	0.00156121	0.024687	3.74623813	0.0130849	0.000629	0.029385	0.000764
1.325757576	0.329454362	800.2979	307.0606	0.037432	0.001861	0.000769	1.173778	0.00153464	0.024244	3.72591726	0.0128836	0.000623	0.029263	0.000763
1.34469697	0.322395891	789.922	300.9232	0.036641	0.001823	0.000754	1.153965	0.00150669	0.023778	3.70453715	0.0126719	0.000617	0.029135	0.000762
1.363636364	0.31041348	772.3078	290.5045	0.035297	0.001757	0.000729	1.120331	0.00145924	0.022987	3.66824243	0.0123124	0.000606	0.028918	0.000761
1.382575758	0.298436105	754.7011	280.0902	0.033955	0.001692	0.000704	1.08671	0.00141181	0.022197	3.63196296	0.0119531	0.000595	0.028702	0.00076
1.401515152	0.286413819	737.0283	269.6368	0.032607	0.001626	0.000679	1.052964	0.0013642	0.021403	3.59554746	0.0115924	0.000584	0.028484	0.000759
1.420454545	0.283686876	733.0197	267.2657	0.032301	0.001611	0.000673	1.045309	0.0013534	0.021223	3.58728755	0.0115106	0.000581	0.028435	0.000758
1.439393939	0.280465662	728.2845	264.4649	0.03194	0.001594	0.000666	1.036267	0.00134064	0.021011	3.57753049	0.011414	0.000578	0.028376	0.000758
1.458333333	0.27631247	722.1793	260.8537	0.031475	0.001571	0.000657	1.024609	0.0013242	0.020737	3.56495047	0.0112894	0.000574	0.028301	0.000758
1.477272727	0.270961612	714.3136	256.2011	0.030875	0.001542	0.000646	1.009589	0.00130301	0.020383	3.54874272	0.0111288	0.000569	0.028204	0.000757
1.496212121	0.265584648	706.4094	251.5259	0.030272	0.001513	0.000635	0.994496	0.00128172	0.020029	3.5324559	0.0109675	0.000564	0.028107	0.000757
1.515151515	0.260252774	698.5716	246.8898	0.029674	0.001483	0.000624	0.97953	0.0012606	0.019677	3.51630565	0.0108076	0.000559	0.028011	0.000756
1.534090909	0.252716482	687.4932	240.337	0.02883	0.001442	0.000608	0.958375	0.00123076	0.019179	3.49347822	0.0105815	0.000552	0.027874	0.000755

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
1.553030303	0.24195683	671.6765	230.9815	0.027623	0.001384	0.000586	0.928173	0.00118815	0.018469	3.46088724	0.0102587	0.000543	0.027679	0.000754
1.571969697	0.227514237	650.4459	218.4236	0.026004	0.001305	0.000556	0.887632	0.00113096	0.017516	3.41714062	0.0098254	0.000529	0.027418	0.000753
1.590909091	0.226516321	648.979	217.5559	0.025892	0.001299	0.000553	0.884831	0.001127	0.01745	3.41411794	0.0097955	0.000528	0.0274	0.000753
1.609848485	0.224404097	645.874	215.7194	0.025656	0.001288	0.000549	0.878902	0.00111864	0.017311	3.40772001	0.0097321	0.000526	0.027362	0.000752
1.628787879	0.221524939	641.6417	213.2159	0.025333	0.001272	0.000543	0.870821	0.00110724	0.017121	3.39899904	0.0096457	0.000524	0.02731	0.000752
1.647727273	0.218196571	636.749	210.3219	0.02496	0.001254	0.000536	0.861478	0.00109406	0.016901	3.38891741	0.0095459	0.000521	0.027249	0.000752
1.666666667	0.207990989	621.7468	201.4482	0.023816	0.001198	0.000515	0.832831	0.00105364	0.016227	3.35800471	0.0092397	0.000511	0.027065	0.000751
1.685606061	0.204563037	616.7077	198.4676	0.023432	0.00118	0.000508	0.823208	0.00104007	0.016001	3.34762144	0.0091369	0.000508	0.027003	0.00075
1.704545455	0.202598572	613.8199	196.7595	0.023211	0.001169	0.000503	0.817694	0.00103229	0.015872	3.34167107	0.009078	0.000506	0.026967	0.00075
1.723484848	0.199952975	609.9309	194.4591	0.022915	0.001154	0.000498	0.810268	0.00102181	0.015697	3.33365756	0.0089986	0.000504	0.026919	0.00075
1.742424242	0.195929185	604.0159	190.9604	0.022464	0.001132	0.000489	0.798973	0.00100588	0.015431	3.3214695	0.0088779	0.0005	0.026846	0.00075
1.761363636	0.187262625	591.2761	183.4249	0.021492	0.001085	0.000471	0.774646	0.00097156	0.014859	3.29521849	0.0086179	0.000492	0.026689	0.000749
1.78030303	0.180268601	580.9948	177.3435	0.020708	0.001047	0.000457	0.755014	0.00094386	0.014398	3.27403359	0.0084081	0.000486	0.026563	0.000748
1.799242424	0.178185895	577.9333	175.5326	0.020475	0.001036	0.000452	0.749168	0.00093562	0.01426	3.26772508	0.0083456	0.000484	0.026525	0.000748
1.818181818	0.175175384	573.5078	172.915	0.020137	0.001019	0.000446	0.740717	0.00092369	0.014062	3.25860624	0.0082553	0.000481	0.026471	0.000748
1.837121212	0.170910418	567.2383	169.2066	0.019659	0.000996	0.000437	0.728746	0.00090681	0.01378	3.24568766	0.0081273	0.000477	0.026393	0.000747
1.856060606	0.166028723	560.0622	164.962	0.019112	0.000969	0.000427	0.715043	0.00088747	0.013458	3.230901	0.0079809	0.000473	0.026305	0.000747
1.875	0.164318264	557.5478	163.4747	0.01892	0.00096	0.000423	0.710241	0.0008807	0.013345	3.22572002	0.0079295	0.000471	0.026274	0.000746
1.893939394	0.162538707	554.9319	161.9274	0.018721	0.00095	0.00042	0.705246	0.00087365	0.013228	3.22032974	0.0078762	0.00047	0.026242	0.000746
1.912878788	0.159856275	550.9887	159.595	0.01842	0.000935	0.000414	0.697717	0.00086303	0.013051	3.21220466	0.0077957	0.000467	0.026193	0.000746
1.931818182	0.156096831	545.4623	156.3262	0.017998	0.000915	0.000406	0.687164	0.00084814	0.012802	3.2008173	0.0076829	0.000464	0.026125	0.000746
1.950757576	0.148291558	533.9886	149.5395	0.017123	0.000872	0.00039	0.665254	0.00081723	0.012287	3.17717513	0.0074487	0.000456	0.025984	0.000745
1.96969697	0.145960987	530.5627	147.5131	0.016862	0.00086	0.000385	0.658712	0.00080801	0.012133	3.17011583	0.0073788	0.000454	0.025942	0.000745
1.988636364	0.144376591	528.2336	146.1354	0.016685	0.000851	0.000382	0.654265	0.00080173	0.012029	3.16531669	0.0073313	0.000453	0.025913	0.000744
2.007575758	0.142436355	525.3814	144.4484	0.016467	0.00084	0.000378	0.648819	0.00079405	0.011901	3.15943972	0.0072731	0.000451	0.025878	0.000744
2.026515152	0.140176907	522.0601	142.4838	0.016214	0.000828	0.000373	0.642477	0.0007851	0.011752	3.15259585	0.0072053	0.000449	0.025837	0.000744
2.045454545	0.137886822	518.6936	140.4926	0.015957	0.000816	0.000368	0.636048	0.00077603	0.011601	3.14565918	0.0071366	0.000447	0.025796	0.000744
2.064393939	0.136249483	516.2867	139.0689	0.015774	0.000807	0.000365	0.631452	0.00076955	0.011492	3.14069968	0.0070875	0.000445	0.025766	0.000744
2.083333333	0.134183988	513.2505	137.273	0.015542	0.000795	0.00036	0.625654	0.00076137	0.011356	3.1344433	0.0070255	0.000443	0.025729	0.000743
2.102272727	0.131535783	509.3576	134.9704	0.015245	0.000781	0.000355	0.618221	0.00075088	0.011181	3.12642189	0.0069461	0.000441	0.025681	0.000743
2.121212121	0.128184453	504.4311	132.0564	0.014869	0.000763	0.000348	0.608814	0.00073761	0.01096	3.11627071	0.0068455	0.000438	0.02562	0.000743
2.140151515	0.121917002	495.218	126.6068	0.014167	0.000728	0.000335	0.591221	0.00071279	0.010547	3.0972866	0.0066575	0.000432	0.025507	0.000742
2.159090909	0.121211879	494.1815	125.9937	0.014088	0.000725	0.000333	0.589242	0.00071	0.0105	3.09515078	0.0066364	0.000432	0.025494	0.000742
2.178030303	0.119964965	492.3485	124.9095	0.013948	0.000718	0.000331	0.585742	0.00070506	0.010418	3.09137388	0.0065989	0.00043	0.025471	0.000742
2.196969697	0.118359804	489.9889	123.5138	0.013768	0.000709	0.000327	0.581236	0.0006987	0.010312	3.08651185	0.0065508	0.000429	0.025442	0.000742
2.215909091	0.116651148	487.4772	122.0282	0.013577	0.0007	0.000324	0.57644	0.00069194	0.010199	3.08133633	0.0064995	0.000427	0.025411	0.000742
2.234848485	0.115389489	485.6225	120.9312	0.013435	0.000693	0.000321	0.572898	0.00068694	0.010116	3.07751476	0.0064617	0.000426	0.025389	0.000742
2.253787879	0.11384362	483.3501	119.587	0.013262	0.000684	0.000318	0.568559	0.00068082	0.010014	3.07283232	0.0064153	0.000425	0.025361	0.000741
2.272727273	0.111857772	480.4309	117.8603	0.013039	0.000674	0.000314	0.562985	0.00067296	0.009883	3.06681719	0.0063557	0.000423	0.025325	0.000741
2.291666667	0.109077662	476.3442	115.443	0.012728	0.000658	0.000308	0.555181	0.00066195	0.009699	3.05839624	0.0062723	0.00042	0.025274	0.000741
2.310606061	0.105828717	471.5682	112.6181	0.012363	0.000641	0.000301	0.546061	0.00064908	0.009485	3.04855518	0.0061749	0.000417	0.025215	0.000741

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
2.329545455	0.099751554	462.6348	107.334	0.011682	0.000607	0.000288	0.529003	0.00062502	0.009084	3.03014746	0.0059925	0.000412	0.025106	0.00074
2.348484848	0.09886875	461.3371	106.5664	0.011583	0.000603	0.000287	0.526525	0.00062152	0.009025	3.02747344	0.0059661	0.000411	0.02509	0.00074
2.367424242	0.097568281	459.4254	105.4356	0.011437	0.000596	0.000284	0.522874	0.00061637	0.00894	3.02353432	0.005927	0.00041	0.025066	0.00074
2.386363636	0.095950156	457.0467	104.0287	0.011256	0.000587	0.000281	0.518332	0.00060996	0.008833	3.01863302	0.0058785	0.000408	0.025037	0.00074
2.40530303	0.094052359	454.257	102.3785	0.011043	0.000576	0.000277	0.513005	0.00060245	0.008707	3.0128846	0.0058216	0.000407	0.025002	0.000739
2.424242424	0.092347451	451.7508	100.8961	0.010852	0.000567	0.000273	0.508219	0.0005957	0.008595	3.00772043	0.0057704	0.000405	0.024971	0.000739
2.443181818	0.091056891	449.8536	99.77397	0.010707	0.00056	0.00027	0.504597	0.00059059	0.00851	3.00381132	0.0057317	0.000404	0.024948	0.000739
2.462121212	0.089757763	447.9439	98.64437	0.010562	0.000553	0.000268	0.50095	0.00058544	0.008424	2.99987626	0.0056927	0.000403	0.024925	0.000739
2.481060606	0.088382252	445.9219	97.44837	0.010408	0.000545	0.000265	0.497089	0.00057999	0.008333	2.99570984	0.0056515	0.000401	0.0249	0.000739
2.5	0.086769089	443.5506	96.04572	0.010227	0.000537	0.000261	0.492561	0.00057361	0.008227	2.99082357	0.0056031	0.0004	0.024871	0.000739
2.518939394	0.083903573	439.3383	93.55416	0.009906	0.000521	0.000255	0.484517	0.00056226	0.008038	2.98214392	0.0055171	0.000397	0.024819	0.000738
2.537878788	0.077438198	429.8342	87.93251	0.009181	0.000486	0.000242	0.466369	0.00053666	0.007611	2.9625603	0.0053231	0.000391	0.024702	0.000738
2.556818182	0.076464549	428.4029	87.08593	0.009072	0.00048	0.00024	0.463636	0.0005328	0.007547	2.95961112	0.0052939	0.00039	0.024684	0.000738
2.575757576	0.075601526	427.1342	86.33553	0.008975	0.000476	0.000238	0.461213	0.00052938	0.00749	2.95699702	0.005268	0.00039	0.024668	0.000738
2.59469697	0.07460954	425.676	85.473	0.008864	0.00047	0.000236	0.458429	0.00052545	0.007424	2.9539923	0.0052383	0.000389	0.02465	0.000737
2.613636364	0.073491432	424.0324	84.5008	0.008738	0.000464	0.000234	0.45529	0.00052103	0.00735	2.95060555	0.0052047	0.000388	0.02463	0.000737
2.632575758	0.072253004	422.2119	83.42399	0.0086	0.000457	0.000231	0.451814	0.00051612	0.007269	2.94685435	0.0051676	0.000386	0.024608	0.000737
2.651515152	0.070739634	419.9873	82.10811	0.00843	0.000449	0.000228	0.447566	0.00051013	0.007169	2.94227035	0.0051222	0.000385	0.02458	0.000737
2.670454545	0.069108732	417.5898	80.69004	0.008247	0.00044	0.000224	0.442988	0.00050367	0.007061	2.93733035	0.0050733	0.000384	0.024551	0.000737
2.689393939	0.066794403	414.1878	78.67773	0.007988	0.000428	0.00022	0.436492	0.00049451	0.006908	2.93032025	0.0050038	0.000381	0.024509	0.000737
2.708333333	0.063875929	409.8976	76.14012	0.00766	0.000412	0.000214	0.4283	0.00048295	0.006716	2.92148019	0.0049163	0.000379	0.024456	0.000736
2.727272727	0.062851019	408.391	75.24896	0.007546	0.000406	0.000211	0.425423	0.00047889	0.006648	2.91837574	0.0048855	0.000378	0.024438	0.000736
2.746212121	0.062079113	407.2563	74.57779	0.007459	0.000402	0.00021	0.423256	0.00047583	0.006597	2.91603763	0.0048624	0.000377	0.024424	0.000736
2.765151515	0.060965043	405.6186	73.6091	0.007334	0.000396	0.000207	0.420129	0.00047142	0.006524	2.91266311	0.004829	0.000376	0.024403	0.000736
2.784090909	0.059480678	403.4366	72.31845	0.007168	0.000388	0.000204	0.415962	0.00046554	0.006426	2.90816697	0.0047844	0.000375	0.024377	0.000736
2.803030303	0.058007918	401.2716	71.03788	0.007003	0.00038	0.000201	0.411828	0.00045971	0.006329	2.90370598	0.0047402	0.000373	0.02435	0.000736
2.821969697	0.056917183	399.6683	70.08949	0.00688	0.000374	0.000199	0.408767	0.00045539	0.006257	2.90040215	0.0047075	0.000372	0.02433	0.000736
2.840909091	0.05590133	398.175	69.20621	0.006767	0.000368	0.000197	0.405915	0.00045137	0.006189	2.89732513	0.004677	0.000371	0.024312	0.000736
2.859848485	0.054839678	396.6143	68.2831	0.006648	0.000362	0.000195	0.402935	0.00044717	0.006119	2.89410938	0.0046452	0.00037	0.024293	0.000735
2.878787879	0.053721681	394.9709	67.311	0.006522	0.000356	0.000192	0.399797	0.00044274	0.006046	2.89072297	0.0046117	0.000369	0.024272	0.000735
2.897727273	0.052567691	393.2745	66.30761	0.006393	0.00035	0.00019	0.396558	0.00043817	0.005969	2.88722753	0.004577	0.000368	0.024251	0.000735
2.916666667	0.051605079	391.8595	65.47062	0.006285	0.000345	0.000188	0.393855	0.00043436	0.005906	2.88431179	0.0045482	0.000367	0.024234	0.000735
2.935606061	0.050551198	390.3103	64.55427	0.006167	0.000339	0.000186	0.390897	0.00043018	0.005836	2.88111958	0.0045165	0.000367	0.024215	0.000735
2.954545455	0.04923119	388.3698	63.40652	0.006019	0.000332	0.000183	0.387192	0.00042496	0.005749	2.87712128	0.0044769	0.000365	0.024191	0.000735
2.973484848	0.047552489	385.9022	61.94689	0.005831	0.000323	0.000179	0.38248	0.00041831	0.005638	2.87203649	0.0044266	0.000364	0.024161	0.000735
2.992424242	0.047056206	385.1726	61.51537	0.005775	0.00032	0.000178	0.381087	0.00041634	0.005606	2.87053325	0.0044117	0.000363	0.024152	0.000735
3.087121212	0.042196441	378.0288	57.28981	0.00523	0.000293	0.000168	0.367445	0.0003971	0.005285	2.85581302	0.0042659	0.000359	0.024064	0.000734
3.181818182	0.03913277	373.5252	54.62594	0.004887	0.000277	0.000162	0.358846	0.00038497	0.005083	2.84653316	0.004174	0.000356	0.024008	0.000734
3.276515152	0.034776259	367.1211	50.83796	0.004398	0.000253	0.000153	0.346617	0.00036771	0.004795	2.83333729	0.0040433	0.000352	0.023929	0.000733
3.371212121	0.028625015	358.0788	45.48945	0.003709	0.000219	0.00014	0.32935	0.00034336	0.004389	2.81470517	0.0038588	0.000346	0.023818	0.000733
3.465909091	0.025851889	354.0023	43.07822	0.003398	0.000204	0.000134	0.321566	0.00033237	0.004206	2.80630537	0.0037756	0.000344	0.023768	0.000733

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
3.560606061	0.023751253	350.9143	41.25171	0.003163	0.000193	0.00013	0.31567	0.00032405	0.004068	2.79994255	0.0037125	0.000342	0.02373	0.000732
3.65530303	0.019380819	344.4898	37.45162	0.002673	0.000169	0.000121	0.303402	0.00030675	0.003779	2.7867045	0.0035814	0.000338	0.023651	0.000732
3.75	0.017216066	341.3076	35.56937	0.00243	0.000157	0.000116	0.297325	0.00029818	0.003636	2.78014746	0.0035165	0.000336	0.023612	0.000732
3.84469697	0.015187405	338.3255	33.80545	0.002203	0.000146	0.000112	0.291631	0.00029014	0.003502	2.77400265	0.0034556	0.000334	0.023575	0.000732
3.939393939	0.013655431	336.0735	32.4734	0.002031	0.000138	0.000109	0.287331	0.00028408	0.003401	2.7693623	0.0034097	0.000333	0.023547	0.000731
4.034090909	0.012563431	334.4682	31.5239	0.001908	0.000132	0.000106	0.284266	0.00027975	0.003329	2.76605463	0.0033769	0.000332	0.023527	0.000731
4.128787879	0.011252186	332.5407	30.38378	0.001761	0.000124	0.000104	0.280585	0.00027456	0.003243	2.76208287	0.0033376	0.00033	0.023504	0.000731
4.223484848	0.010095973	330.8411	29.37845	0.001632	0.000118	0.000101	0.277339	0.00026998	0.003166	2.7585807	0.0033029	0.000329	0.023483	0.000731
4.318181818	0.009629812	330.1558	28.97312	0.00158	0.000116	0.0001	0.276031	0.00026813	0.003136	2.7571687	0.0032889	0.000329	0.023474	0.000731
4.412878788	0.009038726	329.2869	28.45917	0.001513	0.000112	9.89E-05	0.274372	0.00026579	0.003097	2.7553783	0.0032712	0.000328	0.023464	0.000731
4.507575758	0.00792887	327.6554	27.49415	0.001389	0.000106	9.66E-05	0.271256	0.0002614	0.003023	2.75201655	0.0032379	0.000327	0.023444	0.000731
4.602272727	0.007525468	327.0624	27.14339	0.001344	0.000104	9.57E-05	0.270124	0.0002598	0.002997	2.75079464	0.0032258	0.000327	0.023436	0.000731
4.696969697	0.00714564	326.5041	26.81313	0.001301	0.000102	9.49E-05	0.269058	0.0002583	0.002972	2.74964414	0.0032144	0.000327	0.023429	0.000731
4.791666667	0.006795691	325.9897	26.50885	0.001262	0.0001	9.42E-05	0.268076	0.00025691	0.002949	2.74858415	0.0032039	0.000326	0.023423	0.000731
4.886363636	0.006505887	325.5637	26.25687	0.001229	9.85E-05	9.36E-05	0.267262	0.00025576	0.002929	2.74770633	0.0031952	0.000326	0.023418	0.000731
4.981060606	0.005876008	324.6377	25.70919	0.001159	9.51E-05	9.23E-05	0.265494	0.00025327	0.002888	2.74579843	0.0031763	0.000325	0.023406	0.000731
5.075757576	0.005211982	323.6616	25.13182	0.001084	9.14E-05	9.09E-05	0.26363	0.00025064	0.002844	2.74378709	0.0031564	0.000325	0.023394	0.000731
5.170454545	0.004943632	323.2671	24.89849	0.001054	9E-05	9.03E-05	0.262877	0.00024958	0.002826	2.74297426	0.0031483	0.000325	0.023389	0.00073
5.265151515	0.004715651	322.932	24.70026	0.001029	8.87E-05	8.99E-05	0.262237	0.00024867	0.002811	2.74228371	0.0031415	0.000324	0.023385	0.00073
5.359848485	0.004429367	322.5112	24.45133	0.000997	8.72E-05	8.93E-05	0.261433	0.00024754	0.002792	2.74141655	0.0031329	0.000324	0.02338	0.00073
5.454545455	0.003873537	321.6941	23.96804	0.000934	8.41E-05	8.81E-05	0.259873	0.00024534	0.002756	2.73973294	0.0031162	0.000324	0.02337	0.00073
5.549242424	0.003675722	321.4033	23.79604	0.000912	8.31E-05	8.77E-05	0.259318	0.00024456	0.002743	2.73913376	0.0031103	0.000323	0.023367	0.00073
5.643939394	0.003514583	321.1664	23.65593	0.000894	8.22E-05	8.73E-05	0.258865	0.00024392	0.002732	2.73864567	0.0031054	0.000323	0.023364	0.00073
5.738636364	0.003176708	320.6698	23.36215	0.000856	8.03E-05	8.66E-05	0.257917	0.00024258	0.00271	2.73762225	0.0030953	0.000323	0.023357	0.00073
5.833333333	0.002808842	320.129	23.04229	0.000815	7.83E-05	8.59E-05	0.256884	0.00024112	0.002685	2.73650798	0.0030843	0.000323	0.023351	0.00073
5.928030303	0.002684792	319.9466	22.93443	0.000801	7.77E-05	8.56E-05	0.256536	0.00024063	0.002677	2.73613224	0.0030805	0.000322	0.023349	0.00073
6.022727273	0.002434733	319.5791	22.717	0.000773	7.63E-05	8.51E-05	0.255834	0.00023964	0.002661	2.73537481	0.003073	0.000322	0.023344	0.00073
6.117424242	0.002146769	319.1558	22.46662	0.000741	7.47E-05	8.45E-05	0.255026	0.0002385	0.002642	2.73450256	0.0030644	0.000322	0.023339	0.00073
6.212121212	0.002052837	319.0177	22.38494	0.00073	7.42E-05	8.43E-05	0.254762	0.00023813	0.002635	2.73421804	0.0030616	0.000322	0.023337	0.00073
6.306818182	0.001859992	318.7342	22.21726	0.000709	7.32E-05	8.39E-05	0.254221	0.00023737	0.002623	2.73363392	0.0030558	0.000322	0.023334	0.00073
6.401515152	0.001634948	318.4034	22.02159	0.000683	7.19E-05	8.34E-05	0.253589	0.00023647	0.002608	2.73295226	0.003049	0.000322	0.02333	0.00073
6.496212121	0.001555435	318.2865	21.95245	0.000674	7.15E-05	8.33E-05	0.253366	0.00023616	0.002603	2.73271141	0.0030467	0.000321	0.023328	0.00073
6.590909091	0.001456622	318.1412	21.86653	0.000663	7.1E-05	8.3E-05	0.253089	0.00023577	0.002596	2.73241211	0.0030437	0.000321	0.023326	0.00073
6.685606061	0.001263128	317.8568	21.69829	0.000642	6.99E-05	8.26E-05	0.252546	0.000235	0.002583	2.73182602	0.0030379	0.000321	0.023323	0.00073
6.78030303	0.001192739	317.7533	21.63709	0.000634	6.95E-05	8.25E-05	0.252348	0.00023472	0.002579	2.73161281	0.0030358	0.000321	0.023322	0.00073
6.875	0.001127446	317.6573	21.58031	0.000626	6.92E-05	8.24E-05	0.252165	0.00023446	0.002574	2.73141503	0.0030338	0.000321	0.02332	0.00073
6.96969697	0.001066151	317.5672	21.52702	0.00062	6.88E-05	8.22E-05	0.251993	0.00023422	0.00257	2.73122937	0.003032	0.000321	0.023319	0.00073
7.064393939	0.00100843	317.4824	21.47683	0.000613	6.85E-05	8.21E-05	0.251831	0.00023399	0.002567	2.73105453	0.0030303	0.000321	0.023318	0.00073
7.159090909	0.000954022	317.4024	21.42952	0.000607	6.82E-05	8.2E-05	0.251678	0.00023378	0.002563	2.73088973	0.0030286	0.000321	0.023317	0.00073
7.253787879	0.000902689	317.327	21.38489	0.000601	6.79E-05	8.19E-05	0.251534	0.00023357	0.00256	2.73073424	0.0030271	0.000321	0.023316	0.00073
7.348484848	0.000854217	317.2557	21.34274	0.000596	6.77E-05	8.18E-05	0.251398	0.00023338	0.002556	2.73058742	0.0030256	0.000321	0.023315	0.00073

Distance (miles)	Unit Concentration Year 143	TDS (mg/L)	Sulfate (mg/L)	Selenium (mg/L)	Cadmium (mg/L)	Thallium (mg/L)	Fluoride (mg/L)	Antimony (mg/L)	Nickel (mg/L)	Nitrate as N (mg/L)	Chromium (mg/L)	Lead (mg/L)	Barium (mg/L)	Arsenic (mg/L)
7.443181818	0.000808416	317.1884	21.30292	0.000591	6.74E-05	8.17E-05	0.251269	0.0002332	0.002553	2.73044869	0.0030243	0.000321	0.023315	0.00073
7.537878788	0.000765114	317.1247	21.26527	0.000586	6.72E-05	8.16E-05	0.251148	0.00023303	0.00255	2.73031753	0.003023	0.000321	0.023314	0.00073
7.632575758	0.000724149	317.0645	21.22965	0.000581	6.7E-05	8.15E-05	0.251033	0.00023287	0.002548	2.73019345	0.0030217	0.000321	0.023313	0.00073
7.727272727	0.000685378	317.0075	21.19594	0.000577	6.67E-05	8.14E-05	0.250924	0.00023271	0.002545	2.73007601	0.0030206	0.000321	0.023312	0.00073
7.821969697	0.000648675	316.9536	21.16402	0.000573	6.65E-05	8.14E-05	0.250821	0.00023257	0.002543	2.72996484	0.0030195	0.000321	0.023312	0.00073
7.916666667	0.000613915	316.9025	21.1338	0.000569	6.64E-05	8.13E-05	0.250723	0.00023243	0.002541	2.72985955	0.0030184	0.000321	0.023311	0.00073
8.011363636	0.000580754	316.8537	21.10497	0.000565	6.62E-05	8.12E-05	0.25063	0.0002323	0.002538	2.7297591	0.0030174	0.000321	0.023311	0.00073
8.106060606	0.000552251	316.8118	21.08018	0.000562	6.6E-05	8.12E-05	0.25055	0.00023219	0.002536	2.72967277	0.0030166	0.000321	0.02331	0.00073
8.200757576	0.000516659	316.7595	21.04923	0.000558	6.58E-05	8.11E-05	0.25045	0.00023205	0.002534	2.72956496	0.0030155	0.00032	0.023309	0.00073
8.295454545	0.000450299	316.6619	20.99153	0.00055	6.55E-05	8.09E-05	0.250264	0.00023178	0.00253	2.72936395	0.0030135	0.00032	0.023308	0.00073
8.390151515	0.000425536	316.6255	20.97	0.000548	6.53E-05	8.09E-05	0.250194	0.00023169	0.002528	2.72928895	0.0030128	0.00032	0.023308	0.00073
8.484848485	0.00040442	316.5945	20.95164	0.000545	6.52E-05	8.08E-05	0.250135	0.0002316	0.002527	2.72922499	0.0030121	0.00032	0.023307	0.00073
8.579545455	0.00037976	316.5582	20.9302	0.000543	6.51E-05	8.08E-05	0.250066	0.0002315	0.002525	2.72915029	0.0030114	0.00032	0.023307	0.00073
8.674242424	0.000331312	316.487	20.88808	0.000537	6.48E-05	8.07E-05	0.24993	0.00023131	0.002522	2.72900354	0.0030099	0.00032	0.023306	0.00073
8.768939394	0.000310066	316.4558	20.8696	0.000535	6.47E-05	8.06E-05	0.24987	0.00023123	0.00252	2.72893919	0.0030093	0.00032	0.023306	0.00073
8.863636364	0.000271364	316.3989	20.83595	0.00053	6.45E-05	8.06E-05	0.249762	0.00023107	0.002518	2.72882196	0.0030081	0.00032	0.023305	0.00073
8.958333333	0.000244577	316.3595	20.81266	0.000527	6.43E-05	8.05E-05	0.249687	0.00023097	0.002516	2.72874082	0.0030073	0.00032	0.023304	0.00073
9.053030303	0.000215261	316.3164	20.78717	0.000524	6.42E-05	8.04E-05	0.249604	0.00023085	0.002514	2.72865203	0.0030065	0.00032	0.023304	0.00073
9.147727273	0.000192106	316.2824	20.76704	0.000522	6.4E-05	8.04E-05	0.249539	0.00023076	0.002513	2.72858189	0.0030058	0.00032	0.023303	0.00073
9.242424242	0.000160676	316.2362	20.73971	0.000518	6.39E-05	8.03E-05	0.249451	0.00023064	0.002511	2.72848669	0.0030048	0.00032	0.023303	0.00073
9.337121212	0.000139579	316.2052	20.72136	0.000516	6.38E-05	8.03E-05	0.249392	0.00023055	0.002509	2.72842279	0.0030042	0.00032	0.023303	0.00073
9.431818182	0.000127578	316.1875	20.71093	0.000514	6.37E-05	8.03E-05	0.249358	0.00023051	0.002508	2.72838644	0.0030038	0.00032	0.023302	0.00073
9.526515152	0.000118292	316.1739	20.70285	0.000513	6.36E-05	8.02E-05	0.249332	0.00023047	0.002508	2.72835831	0.0030035	0.00032	0.023302	0.00073
9.621212121	0.000106551	316.1566	20.69265	0.000512	6.36E-05	8.02E-05	0.249299	0.00023042	0.002507	2.72832274	0.0030032	0.00032	0.023302	0.00073
9.715909091	9.49E-05	316.1395	20.6825	0.000511	6.35E-05	8.02E-05	0.249266	0.00023038	0.002506	2.72828738	0.0030028	0.00032	0.023302	0.00073
9.810606061	8.37E-05	316.123	20.67274	0.000509	6.35E-05	8.02E-05	0.249235	0.00023033	0.002506	2.72825341	0.0030025	0.00032	0.023302	0.00073
9.90530303	7.42E-05	316.109	20.6645	0.000508	6.34E-05	8.02E-05	0.249208	0.00023029	0.002505	2.72822468	0.0030022	0.00032	0.023301	0.00073
10	6.41E-05	316.0942	20.65572	0.000507	6.33E-05	8.01E-05	0.24918	0.00023025	0.002504	2.72819411	0.0030019	0.00032	0.023301	0.00073
10.09469697	5.94E-05	316.0873	20.65165	0.000507	6.33E-05	8.01E-05	0.249167	0.00023024	0.002504	2.72817991	0.0030018	0.00032	0.023301	0.00073
10.18939394	5.39E-05	316.0793	20.6469	0.000506	6.33E-05	8.01E-05	0.249151	0.00023021	0.002504	2.72816338	0.0030016	0.00032	0.023301	0.00073
10.28409091	4.69E-05	316.069	20.6408	0.000505	6.33E-05	8.01E-05	0.249132	0.00023019	0.002503	2.72814213	0.0030014	0.00032	0.023301	0.00073
10.37878788	4.03E-05	316.0592	20.63503	0.000505	6.32E-05	8.01E-05	0.249113	0.00023016	0.002503	2.72812205	0.0030012	0.00032	0.023301	0.00073
10.47348485	3.63E-05	316.0533	20.63153	0.000504	6.32E-05	8.01E-05	0.249102	0.00023014	0.002502	2.72810984	0.0030011	0.00032	0.023301	0.00073
10.56818182	3.34E-05	316.0491	20.62905	0.000504	6.32E-05	8.01E-05	0.249094	0.00023013	0.002502	2.7281012	0.003001	0.00032	0.023301	0.00073
10.66287879	3.04E-05	316.0447	20.62644	0.000503	6.32E-05	8.01E-05	0.249085	0.00023012	0.002502	2.72809212	0.0030009	0.00032	0.023301	0.00073

Time (year)	Concentration (mg/L)
6.85E-05	0
0.000114155	0
0.000182648	0
0.000285388	0
0.000439498	0
0.000670662	0
0.001017409	0
0.001537529	0
0.002317708	0
0.003487978	0
0.005243383	0
0.007876489	0
0.011826149	0
0.017750641	0
0.026637375	0
0.03996748	0
0.059962634	0
0.08995537	0
0.13494447	0
0.20242812	2.07E-32
0.30365357	1.47E-26
0.45549178	4.29E-22
0.6832491	1.26E-18
1	1.38E-15
1.0027397	1.40E-15
1.0054795	1.41E-15
1.0095891	1.43E-15
1.0157534	1.46E-15
1.025	1.51E-15
1.0388699	1.58E-15
1.0596746	1.70E-15
1.0908818	1.90E-15
1.1376927	2.25E-15
1.2079089	2.90E-15
1.3132331	4.30E-15
1.4712195	7.86E-15
1.7081991	1.98E-14
2	5.75E-14
2.0273972	6.14E-14
2.0547945	6.55E-14
2.0958905	7.22E-14
2.1575344	8.36E-14
2.25	1.04E-13
2.3886986	1.45E-13
2.5967467	2.31E-13
2.9088185	4.37E-13

Time (year)	Concentration (mg/L)
3	5.08E-13
3.0273972	5.31E-13
3.0684931	5.66E-13
3.130137	6.23E-13
3.2226028	7.15E-13
3.3613014	8.71E-13
3.5693493	1.15E-12
3.8814213	1.65E-12
4	1.86E-12
4.027397	1.91E-12
4.0547943	1.96E-12
4.0958905	2.04E-12
4.157534	2.16E-12
4.25	2.35E-12
4.3886986	2.65E-12
4.5967464	3.14E-12
4.9088187	4.24E-12
5	4.60E-12
5.027397	4.72E-12
5.0547943	4.83E-12
5.0958905	5.01E-12
5.157534	5.30E-12
5.25	5.79E-12
5.3886986	6.74E-12
5.5967464	9.15E-12
5.9088187	1.68E-11
6	1.95E-11
6.027397	2.04E-11
6.0547943	2.13E-11
6.0958905	2.28E-11
6.157534	2.55E-11
6.25	3.05E-11
6.3886986	4.09E-11
6.5967464	6.43E-11
6.9088187	1.44E-10
7	1.68E-10
7.027397	1.76E-10
7.0547943	1.88E-10
7.0958905	2.07E-10
7.157534	2.41E-10
7.25	3.03E-10
7.3886986	4.29E-10
7.5967464	7.40E-10
7.9088187	1.73E-09
8	2.08E-09
8.027397	2.19E-09

Time (year)	Concentration (mg/L)
8.054794	2.31E-09
8.09589	2.50E-09
8.157535	2.82E-09
8.25	3.39E-09
8.388699	4.51E-09
8.596746	7.02E-09
8.908818	1.42E-08
9	1.66E-08
9.027397	1.74E-08
9.045662	1.79E-08
9.07306	1.87E-08
9.114156	2.01E-08
9.175799	2.22E-08
9.268265	2.61E-08
9.406963	3.32E-08
9.615011	4.84E-08
9.927084	8.74E-08
10	9.75E-08
10.027397	1.01E-07
10.045662	1.04E-07
10.07306	1.08E-07
10.114156	1.15E-07
10.175799	1.26E-07
10.268265	1.45E-07
10.406963	1.78E-07
10.615011	2.47E-07
10.927084	4.08E-07
11	4.50E-07
11.027397	4.66E-07
11.068493	4.91E-07
11.130137	5.32E-07
11.222603	6.00E-07
11.361301	7.21E-07
11.569349	9.56E-07
11.881421	1.47E-06
12	1.70E-06
12.027397	1.75E-06
12.068493	1.83E-06
12.130137	1.96E-06
12.222603	2.18E-06
12.361301	2.56E-06
12.569349	3.27E-06
12.881421	4.73E-06
13	5.35E-06
13.027397	5.50E-06
13.068493	5.72E-06

Time (year)	Concentration (mg/L)
13.130137	6.08E-06
13.222603	6.67E-06
13.361301	7.67E-06
13.569349	9.47E-06
13.881421	1.30E-05
14	1.45E-05
14.027397	1.48E-05
14.045662	1.51E-05
14.073059	1.54E-05
14.114155	1.60E-05
14.175798	1.69E-05
14.268265	1.83E-05
14.406963	2.06E-05
14.615011	2.48E-05
14.927083	3.25E-05
15	3.44E-05
15.027397	3.51E-05
15.054794	3.59E-05
15.09589	3.70E-05
15.157535	3.88E-05
15.25	4.16E-05
15.388699	4.63E-05
15.596746	5.42E-05
15.908818	6.87E-05
16	7.32E-05
16.027397	7.45E-05
16.068493	7.66E-05
16.130136	7.98E-05
16.222603	8.49E-05
16.361301	9.32E-05
16.56935	0.000107027
16.881422	0.00013135
17	0.000141145
17.027397	0.000143437
17.068493	0.000146941
17.130136	0.000152348
17.222603	0.000160804
17.361301	0.000174304
17.56935	0.000196475
17.881422	0.000234324
18	0.000249409
18.027397	0.000252932
18.068493	0.000258299
18.130136	0.000266535
18.222603	0.000279319
18.361301	0.000299484

Time (year)	Concentration (mg/L)
18.56935	0.000332019
18.881422	0.000386105
19	0.000407463
19.013699	0.000409941
19.022831	0.000411598
19.03653	0.000414094
19.057077	0.000417861
19.0879	0.000423564
19.134132	0.000432235
19.203482	0.00044551
19.307507	0.000466031
19.463543	0.000498191
19.697596	0.000549537
20	0.00062105
20.027397	0.000627585
20.068493	0.000637482
20.130136	0.000652538
20.222603	0.000675604
20.361301	0.000711281
20.56935	0.000767193
20.881422	0.000856309
21	0.000890978
21.027397	0.000899033
21.068493	0.000911206
21.130136	0.000929667
21.222603	0.000957804
21.361301	0.001000993
21.56935	0.001067929
21.881422	0.001172939
22	0.001213551
22.027397	0.001222975
22.068493	0.001237187
22.130136	0.001258677
22.222603	0.001291296
22.361301	0.001341077
22.56935	0.001417612
22.881422	0.001536358
23	0.001582098
23.027397	0.001592701
23.068493	0.00160867
23.130136	0.001632768
23.222603	0.001669233
23.361301	0.00172462
23.56935	0.001809137
23.881422	0.001938739
24	0.001988437

Time (year)	Concentration (mg/L)
24.027397	0.001999946
24.054794	0.002011475
24.09589	0.002028812
24.157534	0.002054913
24.25	0.00209427
24.388699	0.002153736
24.596746	0.002243794
24.90882	0.002380457
25	0.002420563
25.027397	0.002432629
25.068493	0.00245075
25.130136	0.002477983
25.222603	0.002518937
25.361301	0.002580576
25.56935	0.002673408
25.881422	0.002813172
26	0.002866389
26.027397	0.002878692
26.068493	0.002897152
26.130136	0.00292485
26.222603	0.00296641
26.361301	0.003028752
26.56935	0.003122194
26.881422	0.003261935
27	0.003315001
27.027397	0.003327263
27.068493	0.003345644
27.130136	0.00337319
27.222603	0.003414444
27.361301	0.003476155
27.56935	0.003568279
27.881422	0.003705273
28	0.003757173
28.027397	0.00376916
28.068493	0.003787115
28.130136	0.003813993
28.222603	0.00385418
28.361301	0.003914149
28.56935	0.004003349
28.881422	0.004135254
29	0.004185115
29.027397	0.004196625
29.054794	0.004208121
29.09589	0.004225326
29.157534	0.004251053
29.25	0.004289462

Time (year)	Concentration (mg/L)
29.388699	0.004346643
29.596746	0.004431421
29.90882	0.004556247
30	0.004592541
30.000013	0.004592546
30.000025	0.00459255
30.000038	0.004592556
30.000055	0.004592563
30.000088	0.004592576
30.000134	0.004592594
30.000204	0.004592622
30.000307	0.004592663
30.000463	0.004592726
30.000698	0.004592819
30.001049	0.004592958
30.001575	0.004593168
30.002365	0.004593483
30.00355	0.004593954
30.005327	0.004594662
30.007994	0.004595723
30.011992	0.004597314
30.01799	0.0045997
30.026987	0.004603277
30.040485	0.004608638
30.060732	0.004616669
30.091099	0.004628694
30.13665	0.004646677
30.204977	0.004673539
30.307467	0.00471348
30.461205	0.004772918
30.691807	0.00486066
31	0.004975323
31.027397	0.004985503
31.068493	0.005000726
31.130136	0.005023453
31.222603	0.005057301
31.361301	0.005107533
31.56935	0.005181655
31.881422	0.005290012
32	0.005330797
32.027397	0.005340201
32.068493	0.005354258
32.13014	0.00537523
32.222603	0.005406442
32.3613	0.005452701
32.56935	0.005520837

Time (year)	Concentration (mg/L)
32.88142	0.005620264
33	0.005657651
33.027397	0.005666269
33.068493	0.005679149
33.13014	0.005698361
33.222603	0.00572694
33.3613	0.005769261
33.56935	0.005831542
33.88142	0.005922357
34	0.005956496
34.027397	0.005964365
34.068493	0.005976123
34.13014	0.005993661
34.222603	0.00601974
34.3613	0.006058373
34.56935	0.006115241
34.88142	0.006198213
35	0.006229396
35.027397	0.006236584
35.068493	0.006247325
35.13014	0.006263349
35.222603	0.006287187
35.3613	0.006322511
35.56935	0.006374544
35.88142	0.00645057
36.34953	0.00656032
36.897476	0.006683363
37.44542	0.006801313
37.993366	0.006914428
38.54131	0.007022815
39.089256	0.007126508
39.6372	0.0072254
40.185146	0.007319263
40.73309	0.007441087
41	0.007524066
41.027397	0.007532571
41.068493	0.007545301
41.13014	0.007564307
41.222603	0.007592618
41.3613	0.007633925
41.56935	0.007694515
41.88142	0.007785628
42.34953	0.007926421
43.05169	0.008148224
44.104935	0.008543135
45.6848	0.010262482

Time (year)	Concentration (mg/L)
46	0.010696955
46.27397	0.011126584
46.684933	0.011913848
47.30137	0.013421972
48.22603	0.016060593
49.613014	0.020550586
51	0.024147054
51.27397	0.024813849
51.684933	0.025710667
52.30137	0.026828296
53.22603	0.028075373
54.613014	0.029413223
56	0.030395551
56.684933	0.03076626
57.71233	0.031545386
59.253426	0.032378417
61.565067	0.033229027
65.03253	0.034276359
66	0.034586865
67.369865	0.034999304
69.42466	0.035584107
72.50685	0.036422245
77.130135	0.037637595
84.06507	0.039254483
86	0.039697271
92.84931	0.041068275
103.12329	0.042746577
118.53425	0.044333991
136	0.045000654
142.84932	0.04527979
153.12329	0.045137078
168.53424	0.04445589
191.65068	0.043301262
226.32535	0.043827657
278.33734	0.042771872
286	0.042781483
292.8493	0.042736299
303.1233	0.042590857
318.53424	0.04225602
341.6507	0.041597188
376.32535	0.040611021
428.33734	0.039358187
506.35532	0.037422352
541	0.036745112
547.8493	0.036663264
558.1233	0.036562722

Time (year)	Concentration (mg/L)
573.53424	0.036361262
596.6507	0.035911702
631.3253	0.034976698
683.33734	0.033570446
761.3553	0.031786274
878.38226	0.029945666
1041	0.028406473

Victoria Casteel

From: Victoria Casteel
Sent: Friday, July 31, 2020 1:49 PM
To: Victoria Casteel
Subject: FW: WR-30 - Predictive Model Results

From: Peacey, Victoria (RC) <Victoria.Peacey@riotinto.com>
Sent: Friday, July 17, 2020 2:45 PM
To: Rasmussen, Mary C -FS <mary.rasmussen@usda.gov>
Cc: Chris Garrett <cgarrett@swca.com>; Donna Morey <dmorey@swca.com>
Subject: WR-30 - Predictive Model Results

EXTERNAL: This email originated from outside SWCA. Please use caution when replying.

Hello Mary,

The final report in response to Water Work Group Action Item WR-30 (*Submittal of Skunk Camp predictive modeling reports)* is attached for your review and consideration from the cloudshare link below with associated password.

- The full predictive model report with appendix A is a single document
- Appendix B is a separate attached Excel file with unit concentrations shown in plots converted to constituent specific concentrations for all constituents.

https://cloudshare.elmontgomery.com/s/ZBCxWjSEHQfpdLt
PW: Final_Model

Thanks,

Vicky Peacey
Senior Manager Permitting and Approvals

RESOLUTION COPPER

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