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Revision 0

Hydrogeological Summary Report for 600 Area Between 100-D and 100-H for the 100-HR-3 Groundwater Operable Unit

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

United States Department of Energy
P.O. Box 550
Richland, Washington 99352

Approved for Public Release.
Further Dissemination Unlimited

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D. C. Weekes
YAHSGS LLC

Date Published
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LIST OF TERMS

bgs	below ground surface
btc	below top of casing
CERCLA	*Comprehensive Environmental Response Compensation and Liability Act of 1980*
DOE	U.S. Department of Energy
FY	fiscal year
HEIS	Hanford Environmental Information System
ID	identification
MCL	maximum contaminant level
NA	not applicable
NAVD88	North American Vertical Datum of 1988
NS	not sampled
NTU	nephelometric turbidity unit
ROD	Record of Decision
TBR	to be recorded
OU	operable unit
psi	pounds per square inch
WAC	*Washington Administrative Code*

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METRIC CONVERSION CHART

Into Metric Units			Out of Metric Units		
If You Know	*Multiply By*	*To Get*	*If You Know*	*Multiply By*	*To Get*
Length			**Length**		
inches	25.4	millimeters	millimeters	0.039	inches
inches	2.54	centimeters	centimeters	0.394	inches
feet	0.305	meters	meters	3.281	feet
yards	0.914	meters	meters	1.094	yards
miles	1.609	kilometers	kilometers	0.621	miles
Area			**Area**		
sq. inches	6.452	sq. centimeters	sq. centimeters	0.155	sq. inches
sq. feet	0.093	sq. meters	sq. meters	10.76	sq. feet
sq. yards	0.836	sq. meters	sq. meters	1.196	sq. yards
sq. miles	2.6	sq. kilometers	sq. kilometers	0.4	sq. miles
acres	0.405	hectares	hectares	2.47	acres
Mass (weight)			**Mass (weight)**		
ounces	28.35	grams	grams	0.035	ounces
pounds	0.454	kilograms	kilograms	2.205	pounds
ton	0.907	metric ton	metric ton	1.102	ton
Volume			**Volume**		
teaspoons	5	milliliters	milliliters	0.033	fluid ounces
tablespoons	15	milliliters	liters	2.1	pints
fluid ounces	30	milliliters	liters	1.057	quarts
cups	0.24	liters	liters	0.264	gallons
pints	0.47	liters	cubic meters	35.315	cubic feet
quarts	0.95	liters	cubic meters	1.308	cubic yards
gallons	3.8	liters			
cubic feet	0.028	cubic meters			
cubic yards	0.765	cubic meters			
Temperature			**Temperature**		
Fahrenheit	subtract 32, then multiply by 5/9	Celsius	Celsius	multiply by 9/5, then add 32	Fahrenheit
Radioactivity			**Radioactivity**		
picocuries	37	millibecquerels	millibecquerels	0.027	picocuries

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1.0 INTRODUCTION

This report presents data obtained from the field investigation of the Horn area between the 100-D and 100-H Areas in the 100-HR-3 Operable Unit (OU) in fiscal year 2007 (FY07) and FY08. The field investigation involved characterizing the extent, concentration, and movement of hexavalent chromium in groundwater in accordance with the *Sampling and Analysis Instructions for Investigating Chromium Groundwater in the 600 Area Between 100-D and 100-H* (SGW-33224). This investigation is the initial response for the actions in Issue #9 of the *Second CERCLA Five-Year Review Report for the Hanford Site* (DOE/RL-2006-20). The sampling and analysis instructions meet the requirements of a sampling analysis plan and a data quality objectives plan. The sampling and analysis instruction was approved by the U.S. Department of Energy, Richland Operations Office (RL) and the Washington State Department of Ecology on June 28, 2008.

Twenty-one groundwater monitoring wells and 18 aquifer tubes were installed to obtain hydrogeological properties underlying the Horn area (Figure 1-1). Drilling and construction of the new wells are summarized in the *Borehole Summary Report for the Installation of Wells in the 600 Area Between 100-D and 100-H for the 100-HR-3 Groundwater Operable Unit, Fiscal Year 2007 and 2008* (SGW-36749). The new monitoring wells also support the ongoing *Comprehensive Environmental Response Compensation, and Liability Act of 1980* (CERCLA) groundwater monitoring and remedial actions at the 100-HR-3 Groundwater OU.

1.1 PURPOSE AND SCOPE

The purpose of this document is to provide (1) a summary of previous investigations describing the extent of the hexavalent chromium; (2) the analytical results of groundwater samples collected from the field investigation; (3) an update of the geology, general hydrology, and chromium plumes; and (4) recommendations for future investigations, data collection, and groundwater sampling.

1.2 BACKGROUND

The Horn area is located in the northern portion of the Hanford Site, along the southern shoreline of the Columbia River. The 100-HR-3 OU is located in the north-central part of the Hanford Site. It is bordered by the Columbia River and is located approximately 45 km (28 mi) north-northwest of the city of Richland, Washington. The reactors at 100-D Area operated between 1944 and 1967, and the reactor at the 100-H Area operated between 1949 and 1965. The primary sources of contamination in the 100-HR-3 OU are associated with operation of these reactors.

In 1989, the Hanford Site was listed on the CERCLA National Priorities List. To address CERCLA groundwater issues in the 100-D and 100-H Areas, the 100-HR-3 Groundwater OU was established and includes the groundwater of the 100-D and 100-H Areas, as well as the intervening portions of the 600 Area. The following reports provide valuable background information on the Horn area. The *100-D Area Technical Baseline Report* (WHC-SD-EN-TI-181) provided a discussion of former facilities and waste sites in the 100-D Area, which was used in remedial decisions. Additionally, the *100-H Area Technical Baseline Report* (BHI-00127) provided a technical baseline and characterization of waste sites

located in the 100-H Area with new environmental investigation results. Documentation for removing all hazardous substances (including barrels that contained residual hexavalent chromium) was presented in *Sodium Dichromate Expedited Response Action Assessment* (DOE/RL-93-64). An initial conceptual model for the 100-HR-3 OU was presented in *Conceptual Site Models for Groundwater Contamination at 100-BC-5, 100-KR-4, 100-HR-3, and 100-FR-3 Operable Units* (BHI-00917).

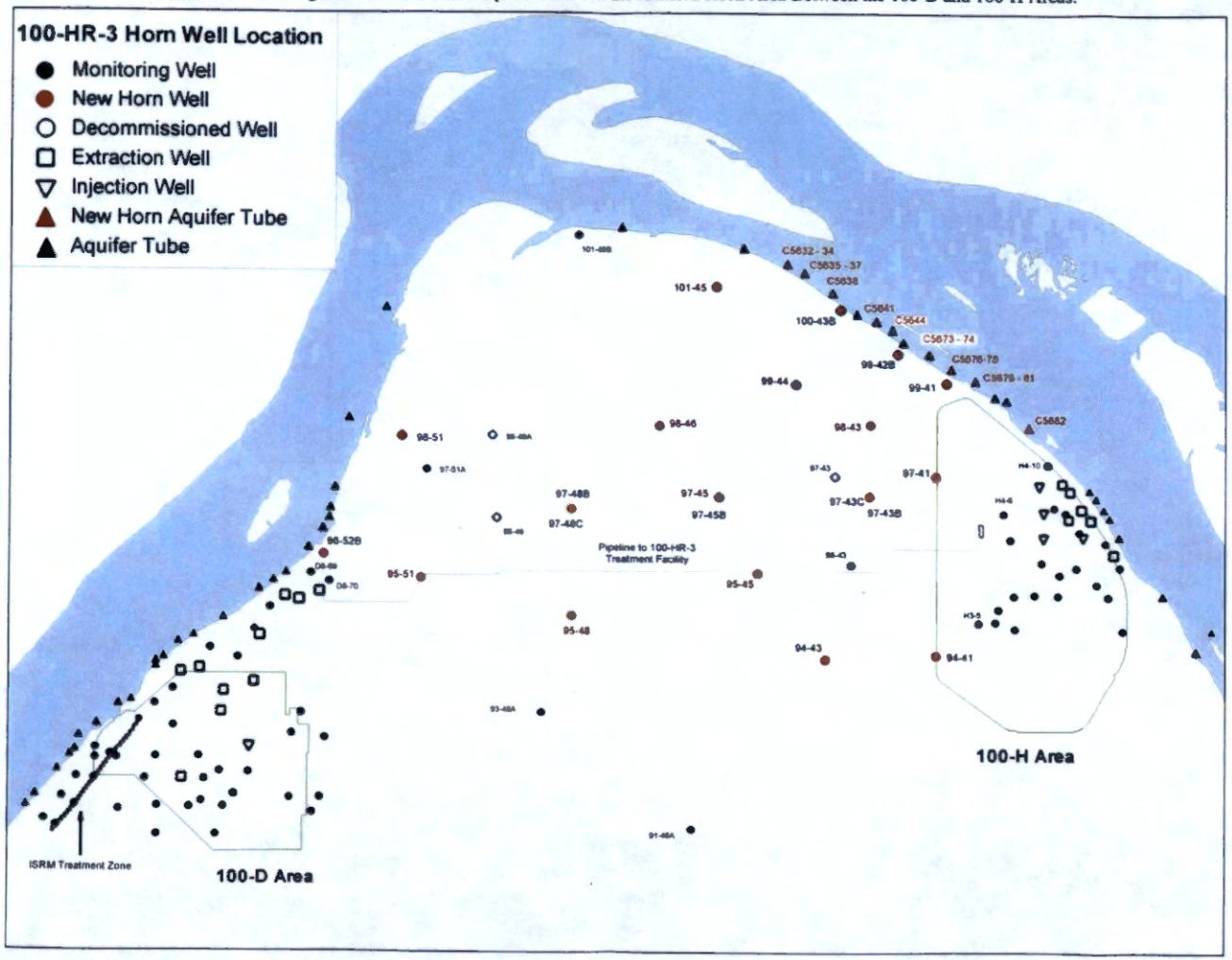
The *Remedial Design and Remedial Action Work Plan for the 100-HR-3 and 100-KR-4 Groundwater Units' Interim Action* (DOE/RL-96-84) implemented pump-and-treat remedial actions per the *Declaration of the Record of Decision for the 100-HR-3 and 100-KR-4 Operable Units at the Hanford Site (Interim Remedial Actions)* (EPA et al. 1996). The remedial action objectives, as identified in the Record of Decision (ROD), include reducing the hexavalent chromium contamination reaching the Columbia River to lessen ecological risk to aquatic life, and achieving hexavalent chromium concentrations of 22 µg/L or less in groundwater at the compliance monitoring wells. The primary risk driver for the continued investigation of the plume between the 100-D and 100-H Areas is the proximity of groundwater discharge areas and salmon redds. Applicable documents include *Chromium Concentrations in 100-H Reactor Area Pore Water Within Chinook Salmon Spawning Habitat of the Hanford Reach, Columbia River* (BHI-00345); *Chromium in River Substrate Pore Water and Adjacent Groundwater: 100-D/DR Area, Hanford Site, Washington* (BHI-00778); BHI-00917; and *Evaluation of the Effects of Chromium on Fall Chinook Salmon in the Hanford Reach of the Columbia River: Integration of Recent Toxicity Test Results* (PNNL-14008).

In November 2006, the report for the second CERCLA 5-year review for the Hanford Site (DOE/RL-2006-20) was released. This report identified the following issues and associated actions to be taken with respect to the Horn and adjacent 100-H Area as excerpted below:

- *Issue #9. There is less than adequate data to characterize potential chromium groundwater contamination between the 100-D and 100-H Area, in the area known as the "horn."*
  - *Action 9-1. Perform additional characterization of the aquifer for chromium contamination between the 100-D and 100-H Area, in the area known as the "horn," and evaluate the need to perform remedial action to meet the remedial action objectives of the 100-D Record of Decision for interim action. This issue will also be addressed in the final Record of Decision.*
  - *Action 9-2. Incorporate the "horn" area into the 100-HR-3 Interim ROD treatment zone if Action 9-1 indicates "horn" contains a groundwater chromium plume that needs immediate remediation.*
- *Issue #12. Groundwater samples from one deep well extending below the aquitard exceed the drinking water standard (100 µg/L) for chromium. The extent of chromium contamination in this zone is not well understood.*
  - *Action 12-1. Perform additional characterization of the aquifer below the initial aquitard.*

These wells and aquifer tubes were installed as the initial response to these issues (Figure 1-1).

Figure 1-1. Existing and New Wells and Aquifer Tubes in the Hanford Horn Area Between the 100-D and 100-H Areas.



2.0 CONCEPTUAL MODEL

2.1 GEOLOGY OF THE HORN AREA

The area between 100-D and 100-H is underlain by the Hanford formation, Ringold Formation, Columbia River Basalt Group, and the Ellensburg Formation (*Geologic Setting of the 100-HR-3 Operable Unit, Hanford Site, South-Central Washington* [WHC-SD-EN-TI-132], and *Limited Field Investigation Report for the 100-HR-3 Operable Unit* [DOE/RL-93-43]). The generalized geology and cross-sections are presented in Figures 2-1 through 2-11. Localized accumulations of backfill material (near man-made structures) and Holocene deposits are found as surficial sediments. Most of the Ringold Formation was not penetrated during drilling in the area, and none of the wells penetrated into basalt or the Ellensburg Formation. Based on drill holes in the 100-H Area, basalt is projected to be about 116 m (381 ft) below ground surface (bgs). The water table is in the Hanford formation and Ringold Formation Unit E throughout the Horn area at an elevation of approximately 117 m (384 ft) North American Vertical Datum of 1988 (NAVD88).

Existing wells were drilled in the 100-D and 100-H Areas during the 1990s, as well as some older wells; the data have been incorporated into this report. The cable-tool drilling method was used to drill all of the new boreholes. A drive barrel was used to advance the borings from ground surface to about 1.5 m (5 ft) into the Ringold Upper Mud. Hard tool bit and bailer were used to advance the deep borings. All new boreholes were geologically logged by trained field geologists. Geologic samples were collected every 1.5 m (5 ft) and at significant lithologic changes. Samples were re-examined by a senior geologist familiar with the differences between the Hanford formation and the Ringold Formation. All contour maps and cross-sections presented are referenced to NAVD88 in meters. NAVD88 is approximately 1.03 m (3.38 ft) higher than the National Geodetic Vertical Datum of 1929 (commonly referred to as "mean sea level").

2.1.1 Backfill

Backfill occurs locally throughout the 100-D and 100-H Areas near man-made structures and facilities. The backfill is usually <0.3-m (1-ft) thick and consists of a layer of sand and gravel used to level out an area.

2.1.2 Holocene Surficial Deposits

Holocene deposits in the Horn area consist of eolian deposits composed of very fine- to medium-grained angular to subangular sand with small amounts of silt and gravel. Normally, the sand is basalt-rich, although sometimes it may contain a high percentage of quartz. The deposits form a thin (usually <0.8-m [2.5-ft]), discontinuous layer across much of the area.

Figure 2-1. Generalized Hydrogeologic Setting of the Horn Area Between the 100-D and 100-H Areas.

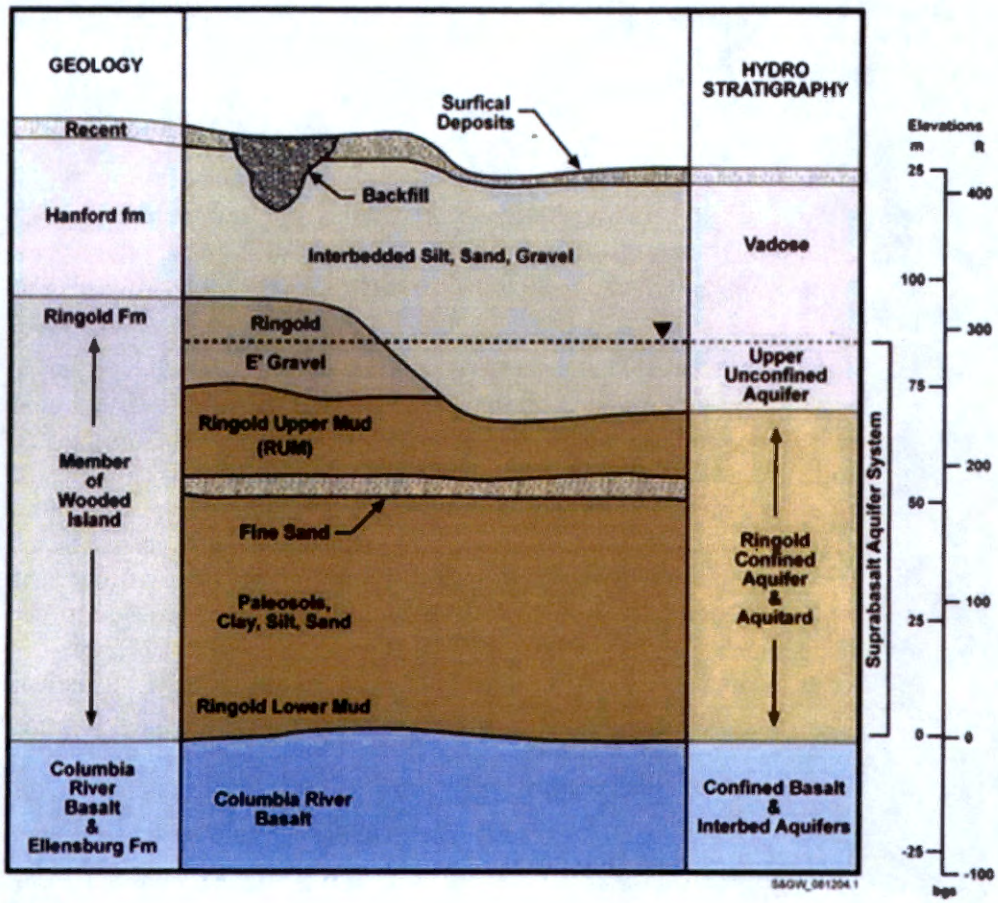


Figure 2-2. Well and Hydrogeologic Cross-Section Location Map.

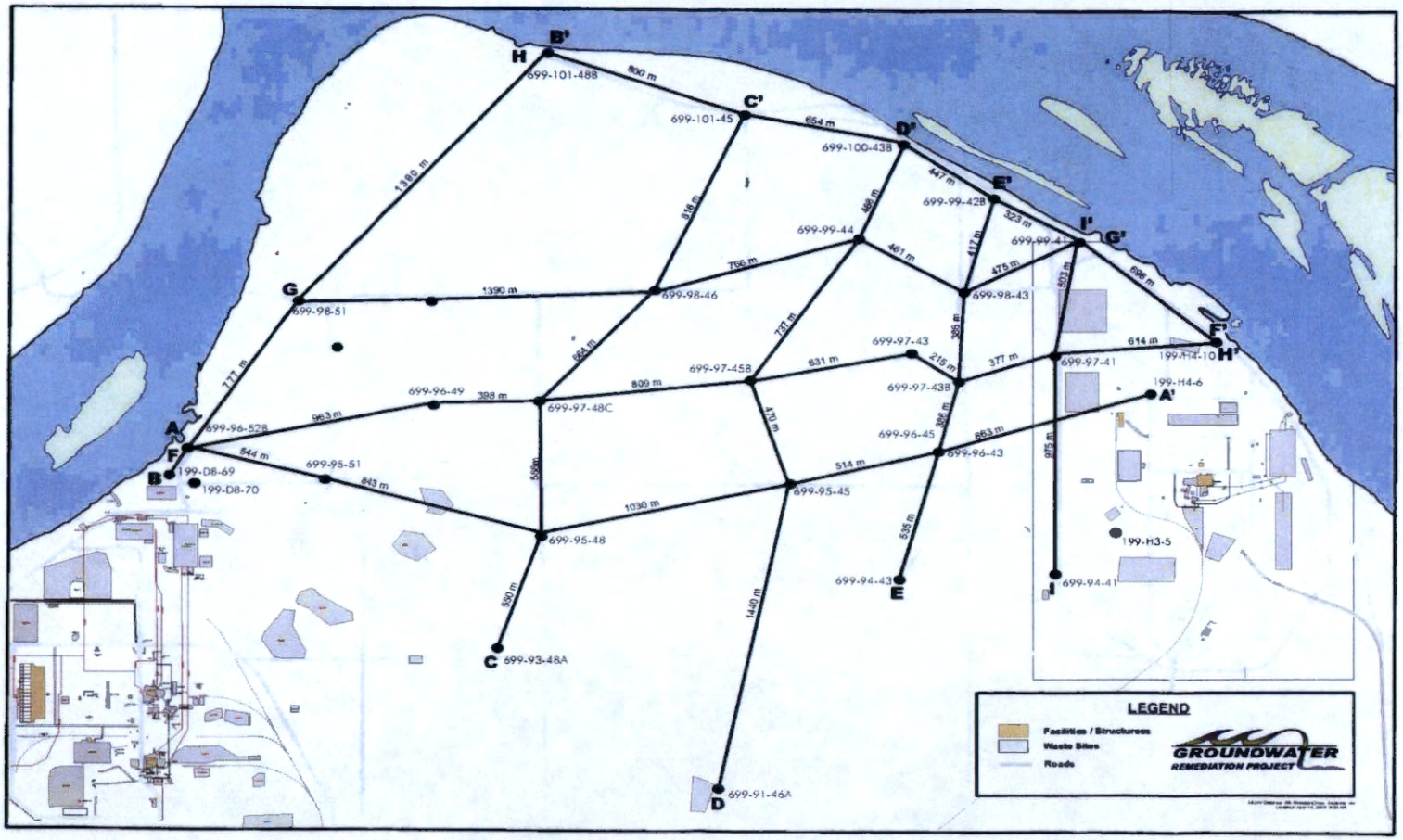


Figure 2-3. Hydrogeologic Cross-Section A-A' (West from 699-96-52B to East 199-H4-6).

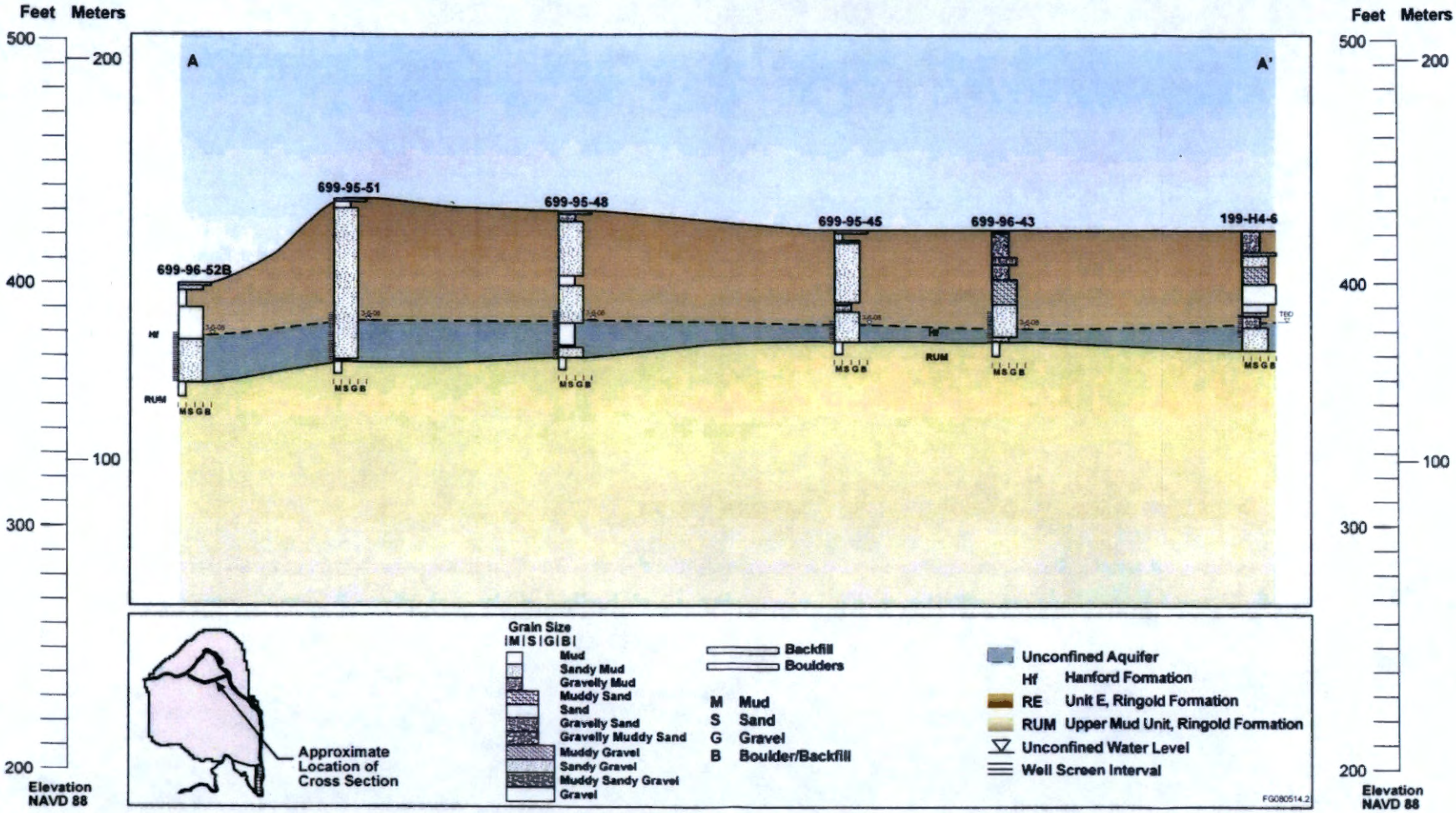


Figure 2-4. Hydrogeologic Cross-Section B-B' (South from 199-D8-69 to North 699-101-48B).

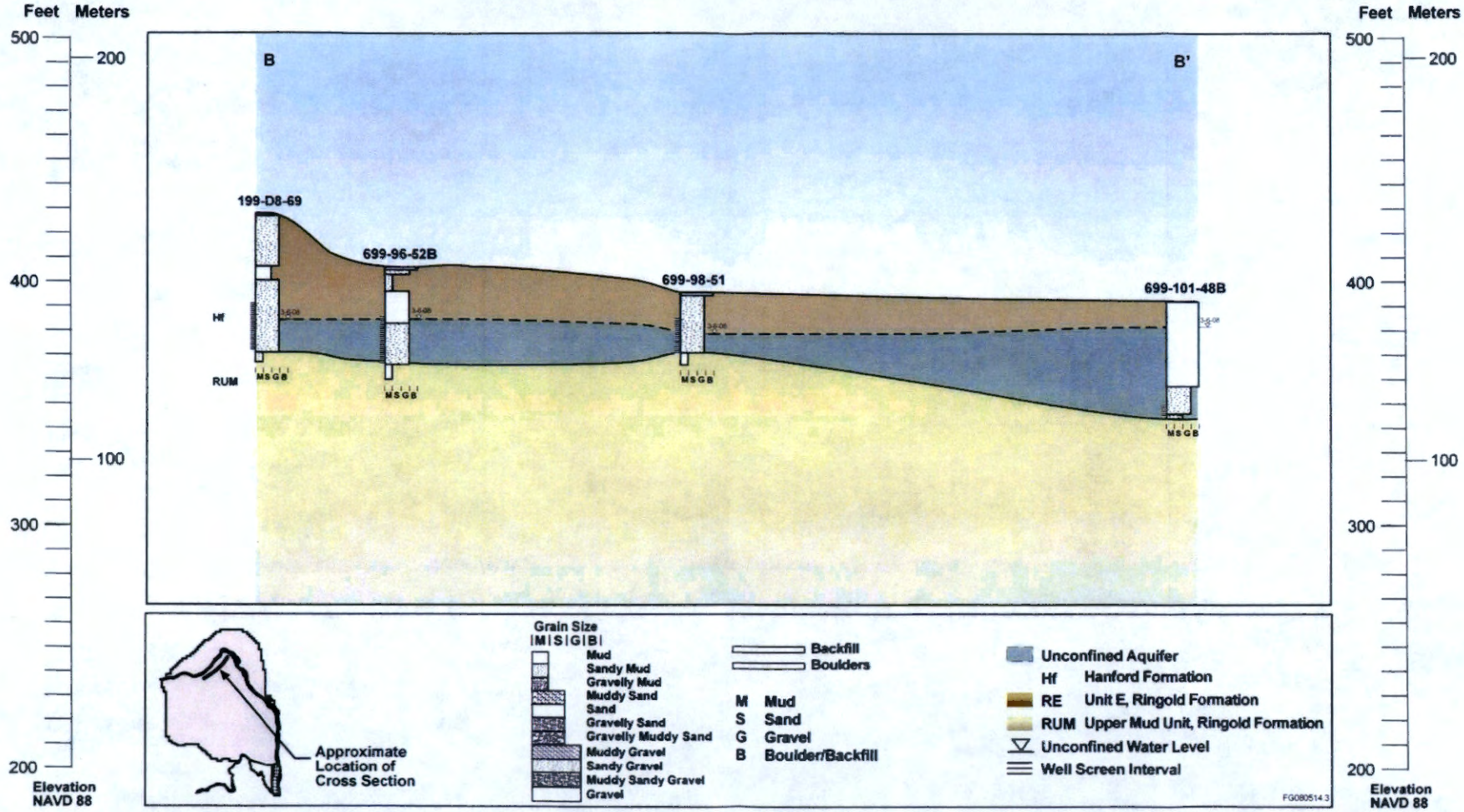


Figure 2-5. Hydrogeologic Cross-Section C-C' (South from 699-93-48A to North 699-101-45).

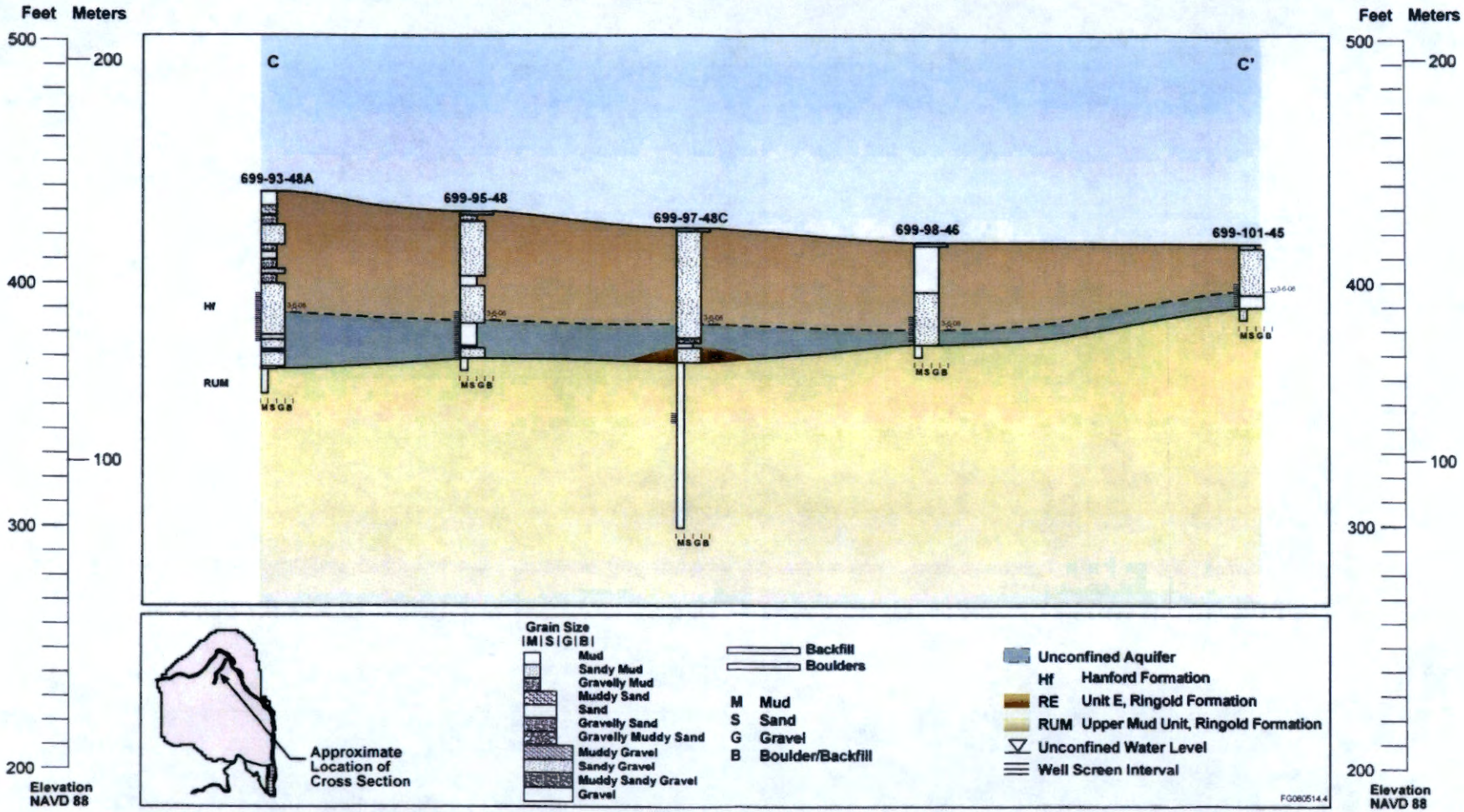


Figure 2-6. Hydrogeologic Cross-Section D-D' (South from 699-91-46A to North 699-100-43B).

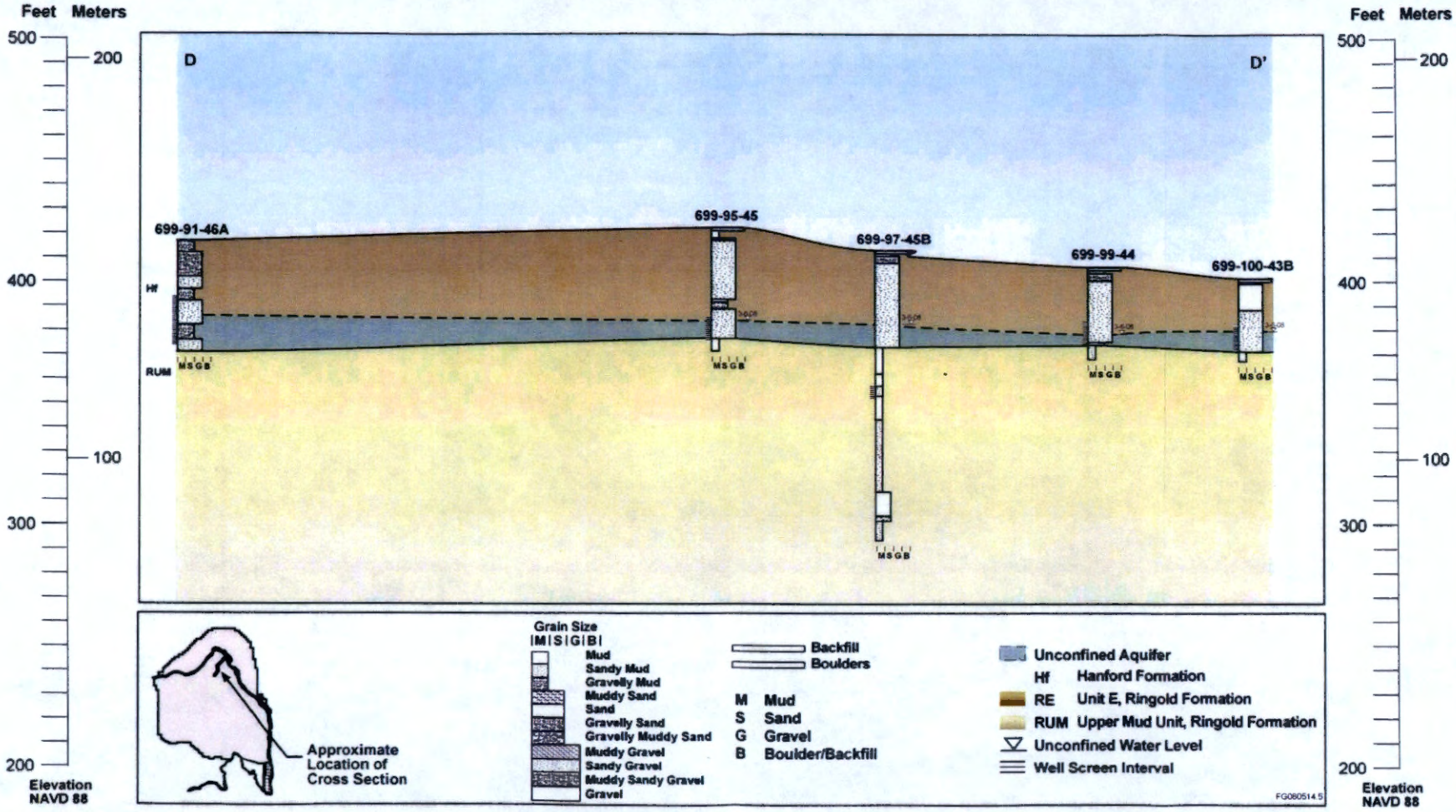


Figure 2-7. Hydrogeologic Cross-Section E-E' (South from 699-94-43 to North 699-99-42B).

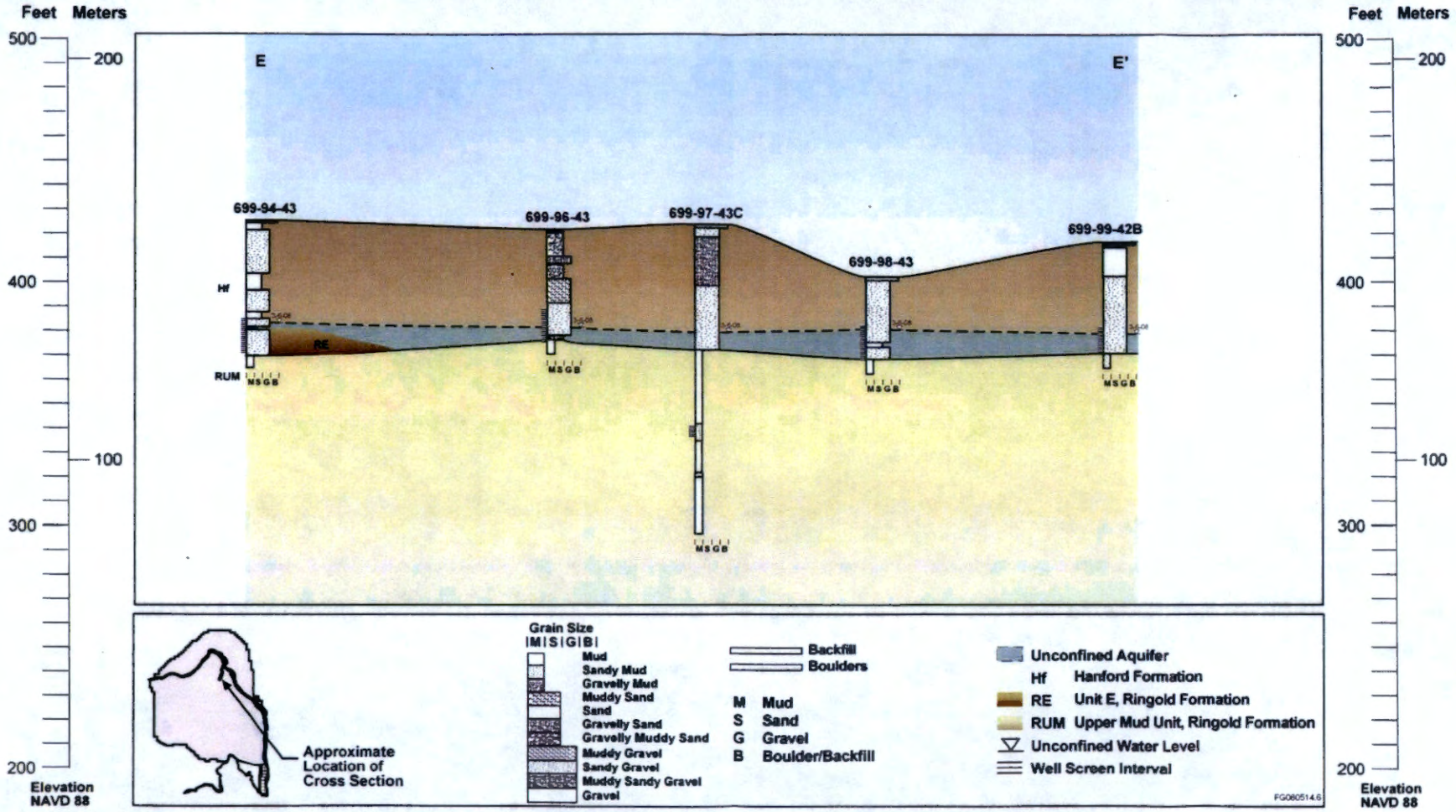


Figure 2-8. Hydrogeologic Cross-Section F-F' (West from 699-96-52B to East 199-H4-10).

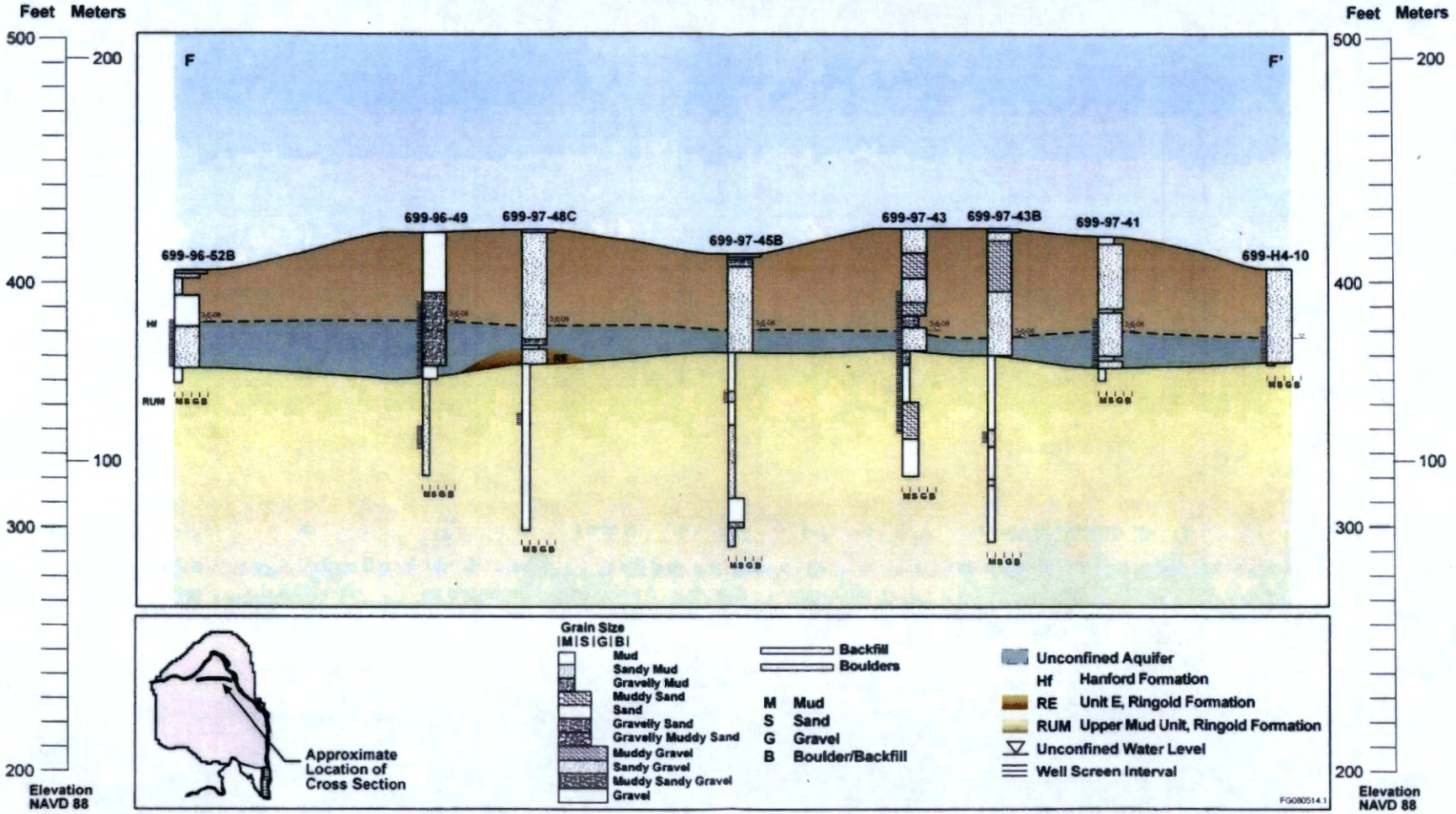


Figure 2-9. Hydrogeologic Cross-Section G-G' (West from 699-98-51 to East 699-99-41).

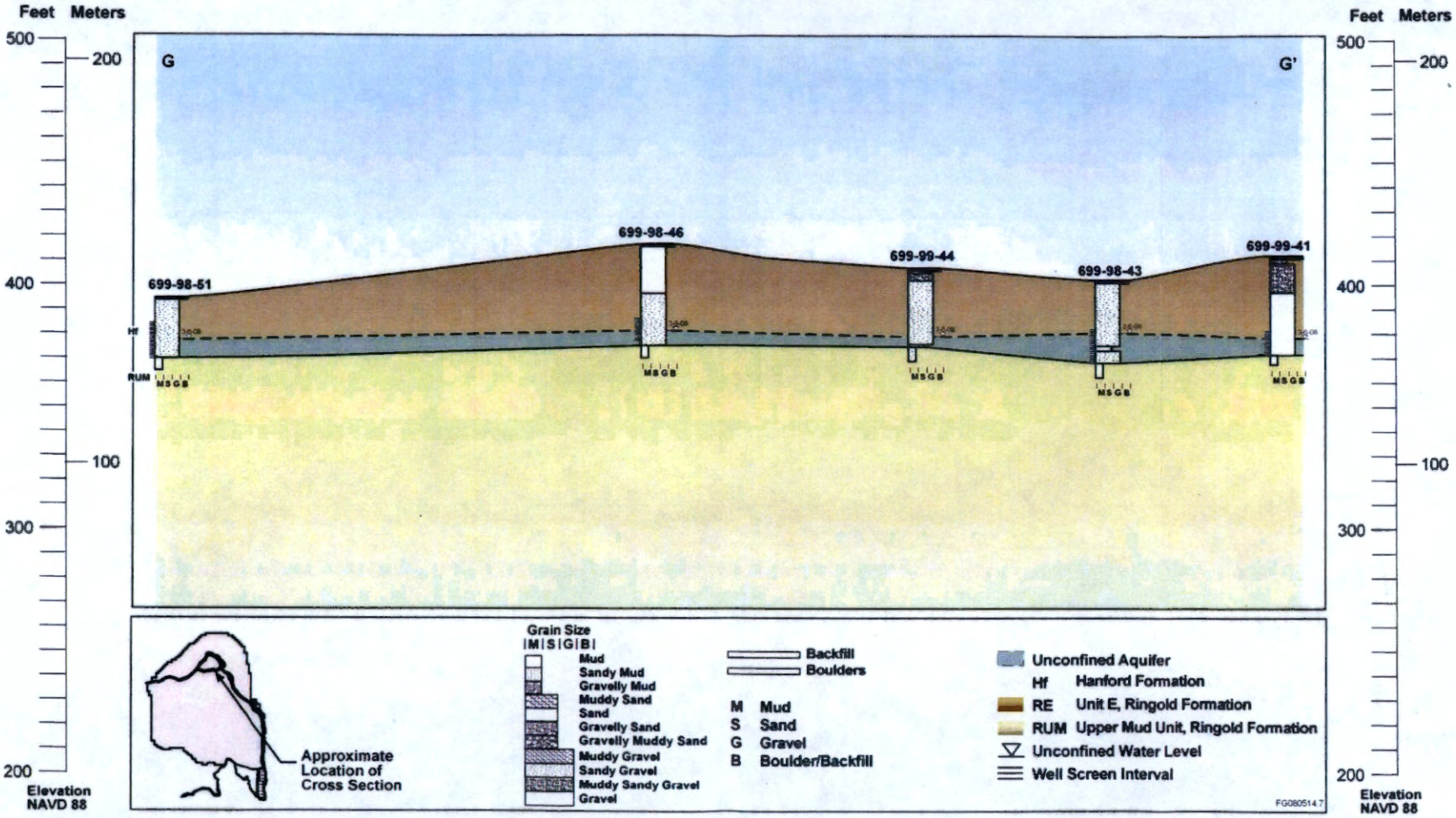


Figure 2-10. Hydrogeologic Cross-Section H-H' (West from 699-101-48B to East 199-H4-10).

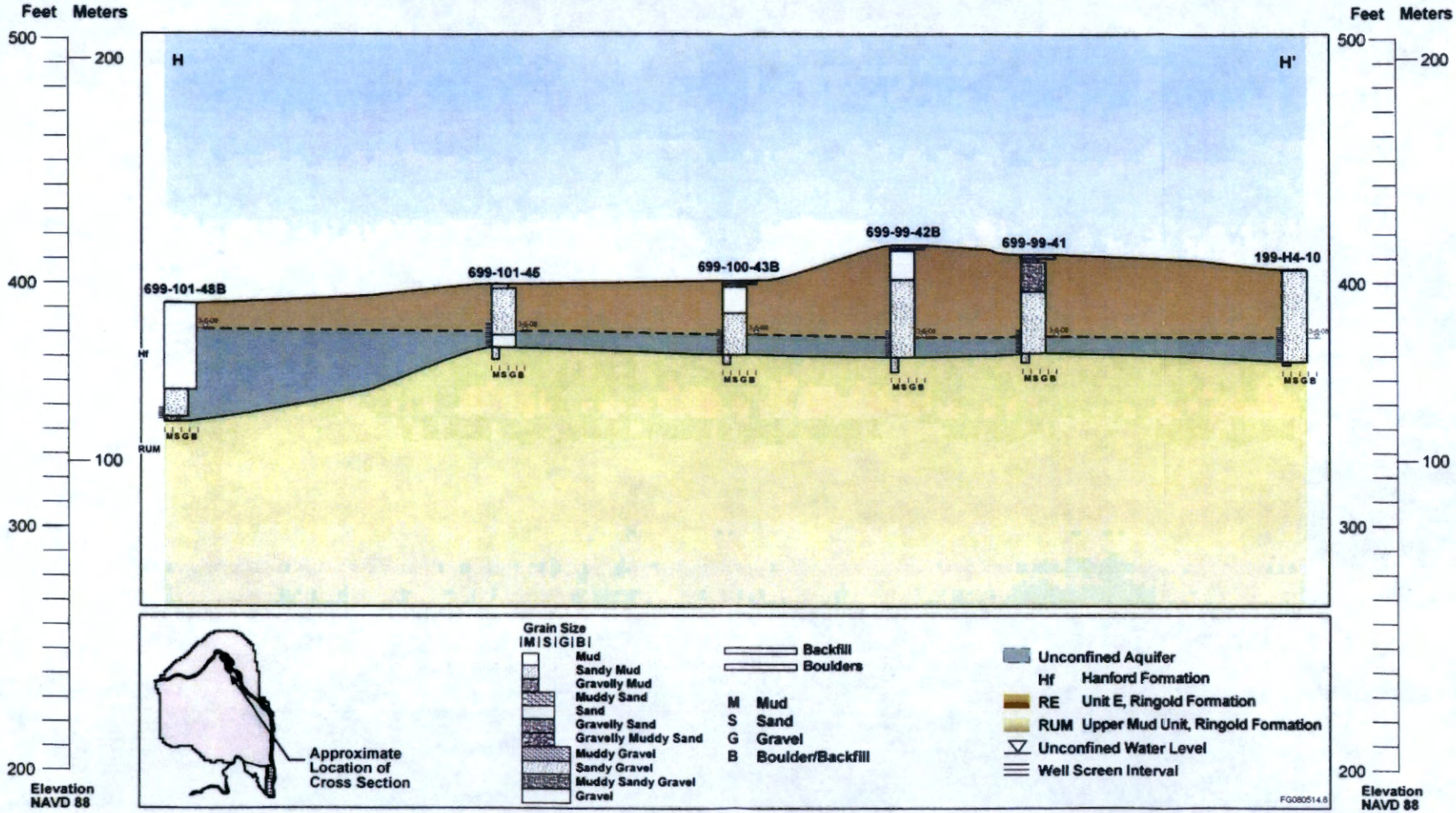
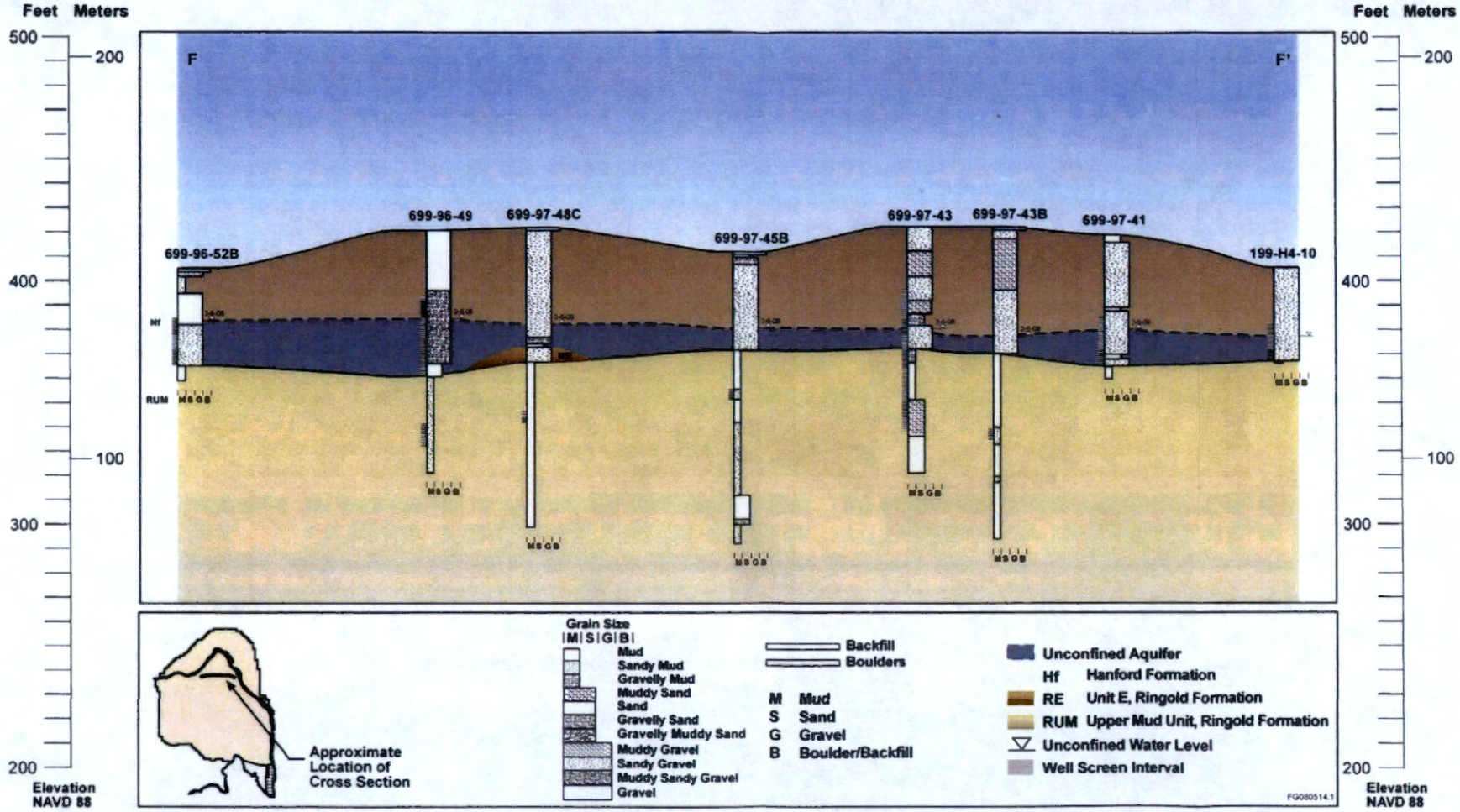


Figure 2-11. Hydrogeologic Cross-Section I-I' (South from 699-94-41 to North 699-99-41).



2.1.3 Hanford Formation

The Hanford formation consists of gravel, sand, and silt deposited by cataclysmic Ice Age flood waters during the Pleistocene epoch (*Consultation Draft Site Characterization Plan Reference Repository Location, Hanford Site, Washington* [DOE/RW-0017]). The Hanford formation is divided into three facies: (1) gravel-dominated, (2) sand-dominated, and (3) interbedded sand to silt-dominated (*Standardized Stratigraphic Nomenclature for Post-Ringold-Formation Sediments Within the Central Pasco Basin* [DOE/RL-2002-39]). All three facies are present in the area. Thicknesses range from 5.2 to 22.3 m (17 to 73 ft) (Figure 2-12). The unit is the thickest in the southwest-central part of the 100-HR-3 OU and generally thins to the north and east. The Hanford formation is typically unconsolidated and disconformably overlies fluvial, gravel-dominated strata of the Ringold Formation in the far western portion of the OU and disconformably overlies silt and clays of the Ringold Formation throughout most of the remainder of the study area.

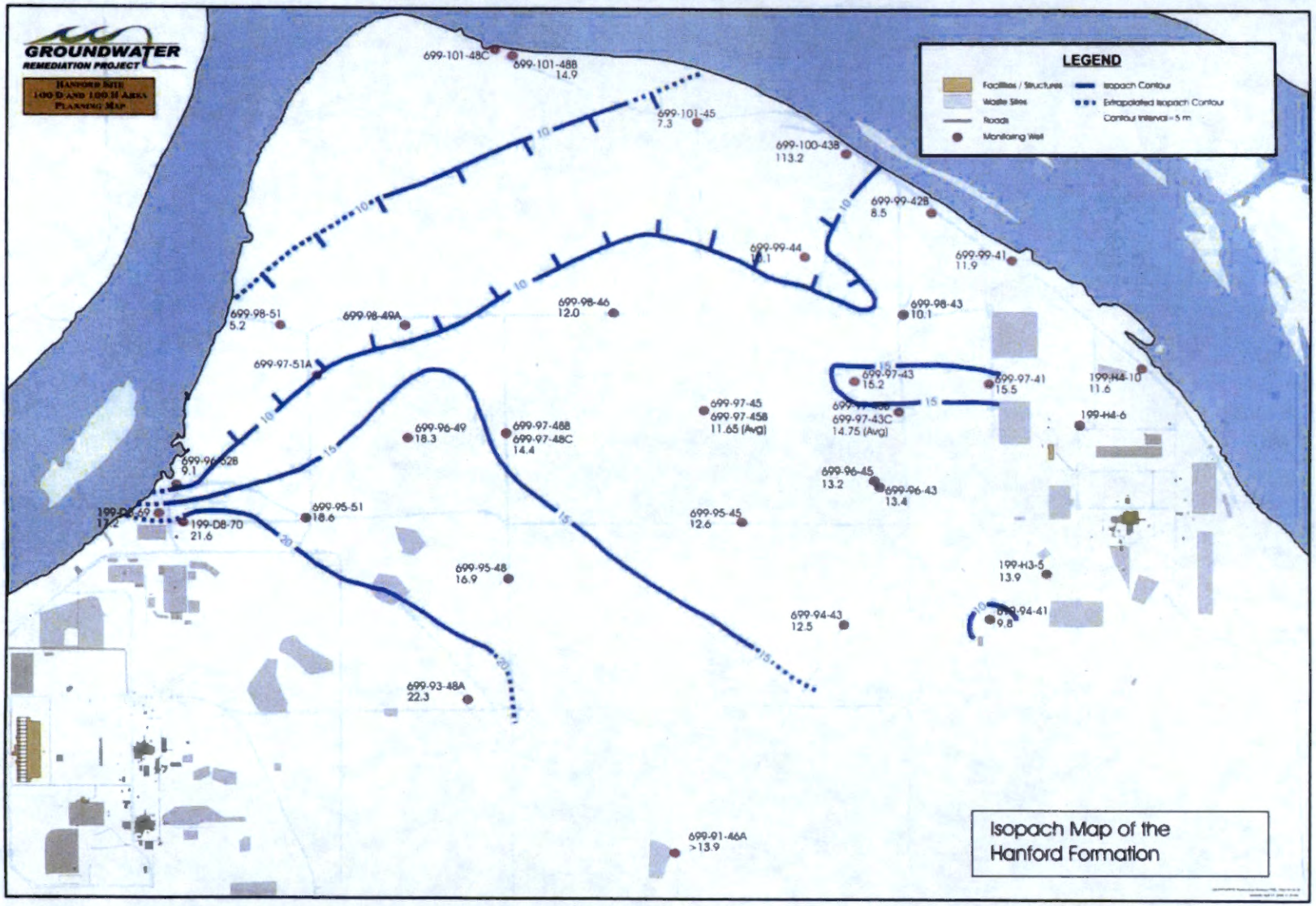
The gravel-dominated facies consists of clast-supported unconsolidated sandy gravels and silty sandy gravels. Occasional sand lenses and silt stringers are intercalated with the gravel. Caliche is occasionally observed on gravels. The facies is moderately to very poorly sorted. Coarse sediments such as cobbles and pebbles are approximately 50% to 90% basalt; the remaining percentage of coarse sediments consists of granitics, felsics, and various metamorphics. Sand fractions are high in basalt content with the remaining portion composed of feldspar, quartz, and traces of mica. The gravel-dominated facies was deposited by high-energy floodwaters in or immediately adjacent to main cataclysmic flood-channel ways ("Quarternary Geology of the Columbia Plateau" [Baker et al. 1991]; *Field Trip Guide to the Hanford Site* [WHC-MR-0391]).

The sand-dominated facies consists of sands with minor amounts of silt and gravel. Sand grains are angular to subangular. Sands are moderately to well sorted and are basalt-rich. This facies consists of well-stratified, fine- to coarse-grained sand and granule gravel. The laminated sand facies is transitional between the gravel-dominated and silt-dominated facies and was deposited during the waning stages of flooding and as water spilled out of channel ways (Baker et al. 1991, WHC-MR-0391).

2.1.4 Ringold Formation

The top of the Ringold Formation is encountered between 104.5 and 115 m (342.8 to 377.3 ft) elevation (NAVD88) in the Horn area. The contact with the overlying Hanford formation appears generally flat lying, which is due to extensive erosion of the Ringold Formation caused by cataclysmic flooding. North and east of the 100-D Area, fluvial gravels referred to as "Unit E" are absent, and the top of the Ringold consists of muds that underlie Unit E (WHC-SD-EN-TI-132; *Miocene- to Pliocene-Aged Suprabasalt Sediments of the Hanford Site, South-Central Washington* [BHI-00184]).

Figure 2-12. Isopach Map of the Hanford Formation.



The Ringold Unit E is made up of fluvial gravel with minor amounts of silt and sand. It typically contains 20% to 45% basalt in the gravel fraction, with the remaining material consisting of granites, felsics, and various metamorphics. Micaceous sand lenses are occasionally encountered. The calcium carbonate content of the unit varies substantially vertically with no discernable trend noted. Grain-size distributions tend to be bimodal, with granule and coarse sand fractions absent. The Ringold Unit E, where present, ranges in thickness from 0.3 to 3.2 m (1 to 10.5 ft) in the new wells in the Horn area. The unit was encountered in wells 699-94-43, 699-97-48B, 699-97-48C, and 699-95-51.

The muds underlying Unit E gravels, referred to as the Ringold Upper Mud Unit, are dominated by an overbank-paleosol facies association (WHC-SD-EN-TI-132). The Ringold Upper Mud is essentially continuous and is relatively flat lying, although it appears to dip to the north in the northernwesternmost portion of the Horn area (Figure 2-13). The top of the Ringold Upper Mud ranges between 104.5 and 115 m (342.8 and 377.3 ft) in elevation (NAVD88). No borings in the Horn area penetrate through the Ringold Upper Mud. Boreholes drilled to basalt in the 100-N and 100-H Areas suggest that about 61 m (200 ft) of overbank-paleosol strata and 23 to 30.5 m (75.5 to 100.0 ft) of lacustrine deposits lie beneath the Horn area (WHC-SD-EN-TI-132). Borehole 199-H4-2 in 100-H Area encountered, from top of Ringold Formation to top of basalt, about 39.6 m (130 ft) of overbank-paleosol strata (Ringold Upper Mud), including sandy intervals; 18.3 m (60 ft) of Ringold Unit B (mostly silt to gravelly sand); and 42.7 m (140 ft) of Ringold Lower Mud (mostly silt to clay). The Ringold Upper Mud Unit is silt- and clay-rich, pale brown to pink, moderately plastic, usually noncalcareous, and massively bedded. The upper part of the layer sometimes contains gravel in a silt/clay matrix that may represent a transition zone to the massive silt or clay.

2.1.5 Hanford/Ringold Contact

Hanford formation gravels overlie Ringold Unit E gravels beneath the southern portion of the Horn area. Several criteria are used to differentiate the two units. The sand fraction in Hanford gravels generally contains >40% basalt as compared to Ringold deposits that generally contain <25% basalt (WHC-SD-EN-TI-132). Hanford gravels may display salt-and-pepper and gray coloring, while Ringold gravels are generally more oxidized and reddish-brown to yellow-red in color. Hanford gravels tend to be less consolidated or cemented than Ringold gravels. The Hanford formation is usually more transmissive than the Ringold Unit E. Drilling rates tend to be slower in the Ringold Formation.

2.2 HYDROLOGY

The uppermost aquifer in the Horn area is contained within the Hanford formation and the Ringold Unit E and is under unconfined hydraulic conditions. An isopach map of the aquifer is provided in Figure 2-14. This represents the thickness of the aquifer from the water table (as measured in March 2008) to the base of the aquifer, which is the contact between the Ringold Unit E/Hanford formation and the Ringold Upper Mud. The thickness of the aquifer ranges from approximately 1.3 to 11.8 m (4.3 to 38.7 ft). The unconfined aquifer is thickest (11.8 m [38.7 ft]) in the northernmost part of the Horn area and thins (1.3 m [4.3 ft]) to the east and south.

Figure 2-13. Contour Map of the Top of Upper Mud Unit of the Ringold Formation.

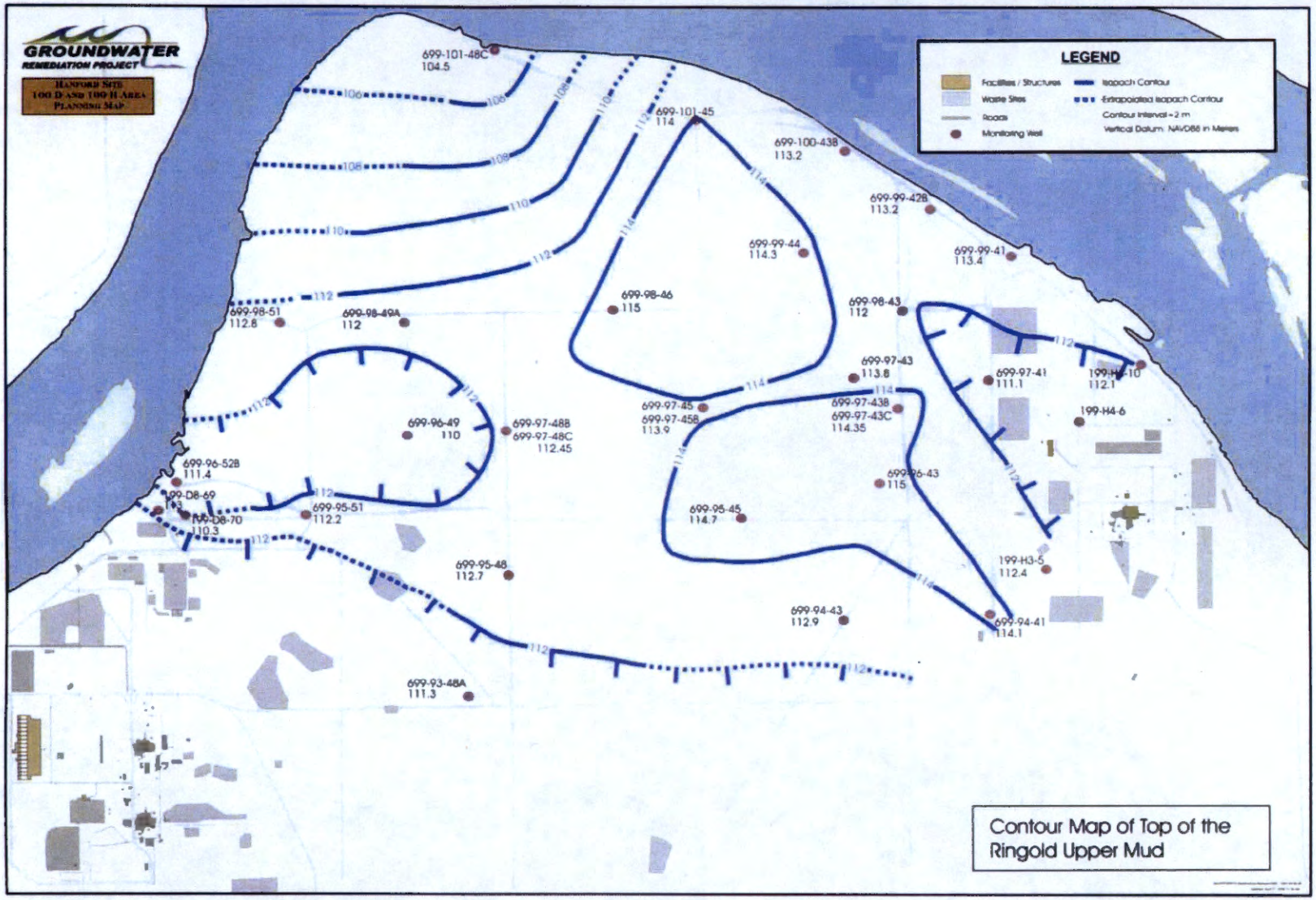
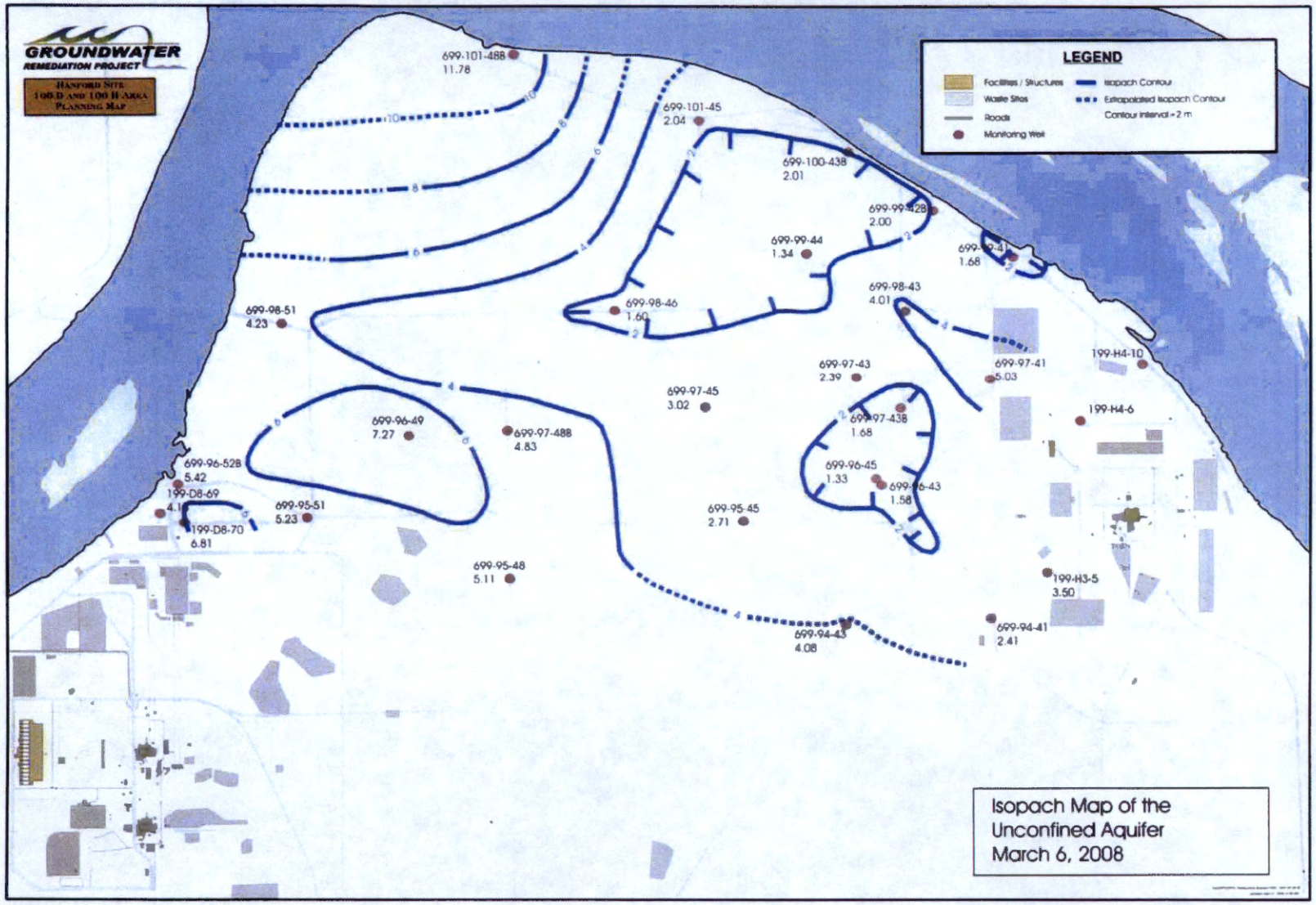


Figure 2-14. Isopach Map of the Unconfined Aquifer.



The hydraulic conductivity for the unconfined Hanford/Ringold Formations in the 100 Areas ranges from 0.88 to 1,810 m/day (2.9 to 5,940 ft/day). Data from other aquifer tests performed in the 100 Areas are provided in *Hydrologic Information Summary for the Northern Hanford Site* (WHC-SD-EN-TI-023). The variability of the hydraulic conductivity reflects the variable cementation and sediment heterogeneity of the Ringold Unit E and the generally uncemented Hanford formation. No aquifer tests were performed for this characterization effort other than standard well development of the new wells. Well development data was analyzed and estimated hydraulic conductivity values calculated for the unconfined aquifer wells. The values should be considered as very rough estimates only. The lowest value is 11 m/day (36 ft/day) in well 699-94-43 and the highest value is 6,354 m/day (20,833 ft/day) in well 699-101-45.

Each of the new wells was developed by pumping following well completion work. A temporary, 1.5-horsepower submersible pump was placed in each well and pumped until physical water quality parameters (i.e., conductivity, pH, and temperature) stabilized and turbidity declined to <5 nephelometric turbidity units (NTU). Water-level drawdown during development was monitored continuously using a 20-pounds per square inch (psi) pressure transducer and recorded in a data logger. Drawdown and flow data collected from final well development for each new well are shown in Table 2-1. Appendix A contains the drawdown and recovery curves collected during well development.

Groundwater flow within the unconfined aquifer is generally from the west to the east, except immediately east of 100-D Area (where the flow is to the northwest) and west of 100-H Area (where the flow is to the northeast and enters the Columbia River).

The fluctuations in river stage cause effects on the groundwater flow within the unconfined aquifer in the area. The system is in roughly steady-state condition with current cyclic fluctuations (daily, weekly, seasonal, and multi-year), and the distribution of contamination has adapted, or reflects, those conditions. The most important effect is in the zone of interaction beneath the shoreline where groundwater and river water mix, causing a reduction in contaminant concentrations before ultimate discharge to the river. The March 2008 water table is shown in Figure 2-15. The water levels were measured when the Columbia River was in a seasonally low stage. The June 2008 water table, measured during a seasonally high river stage, is shown in Figure 2-16. The direction of flow inferred from this map is generally to the east; however, near the river the groundwater flow is inland. The water levels in June indicate that the flow is from the river into the aquifer in the near river area. Pressure transducers installed in wells east of the 100-D Area and west of the 100-H Area measured water levels during high water stage in spring 2008. Hydrographs for the wells and the 100-D and 100-H river gauges for early 2008 are presented in Figure 2-17. The effects of the highest river stage, typically in late spring, are observed up to about 1,000 m (3,281 ft) inland from the Columbia River.

Table 2-1. Well Development Data Summary. (2 pages)

Well Name/ Well ID	Static Water Level (ft bgs)	Pump Intake Depth (ft bgs)	Final Turbidity (NTU)	Drawdown (ft)	Highest Sustained Flow Rate (gpm)
699-100-43B (C5647)	S-23.10 E-22.96	30	1.22	4.57	2.5
699-99-42B (C5648)	S-39.05 E-39.05	47.6	4.51	5.35	6
699-99-41 (C5649)	S-34.55 E-34.65	41	4.13	1.12	25
699-99-44 (C5650)	S-27.60 E-27.60	34	4.87	6.92	12
699-98-43 (C5656)	S-21.40 E-21.40	35	4.85	10.95	15
699-97-41 (C5657)	S-37.90 E-37.95	49.2	0.62	0.26	30
699-98-46 (C5658)	S-34.30 E-34.40	38	4.19	1.38	2
699-97-45 (C5659)	S-30.50 E-30.50	40.8	2.41	NA	15.6
699-95-45 (C5660)	S-37.25 E-37.35	44	1.76	4.47	7.5
699-94-43 (C5661)	S-41.75 E-41.75	52	2.19	8.18	3.25
699-97-48B (C5662)	S-38.30 E-38.30	51	1.65	4.70	25
699-95-51 (C5663)	S-49.20 E-49.20	65	4.69	1.20	6
699-97-43B (C5664)	S-42.50 E-42.50	49	4.08	1.53	1.2
699-94-41 (C5665)	S-28.10 E-28.10	35	0.67	3.94	3.75
699-101-45 (C5666)	S-18.90 E-18.70	26	1.13	0.20	25
699-95-48 (C5667)	S-43.30 E-43.30	59.2	2.86	11.97	20
699-96-52B (C5668)	S-22.30 E-22.40	38	2.81	13.52	20
699-98-51 (C5669)	S-10.60 E-8.20	26	4	15.23	7.8
699-97-43C (C5685)	S-43.10 E-43.20	87	3.06	20.68	5.5
699-97-45B (C5686)	S-30.50 E-30.50	61	62.3	29.62	0.8
699-97-48C (C5687)	S-38.80 E-38.90	83	2.95	33.95	1.7

Table 2-1. Well Development Data Summary. (2 pages)

Well Name	Screen Top (ft bgs)	Screen Bottom (ft bgs)
699-100-43B	19.4	29.5
699-99-42B	35.5	45.6
699-99-41	30.3	40.3
699-99-44	22.0	32.0
699-98-43	19.4	34.5
699-97-41	33.8	53.8
699-98-46	29.5	39.5
699-97-45	24.7	39.7
699-95-45	36.1	46.1
699-94-43	40.1	55.1
699-97-48B	34.0	54.0
699-95-51	46.0	66.0
699-97-43B	38.0	48.0
699-94-41	25.9	35.9
699-101-45	15.7	25.7
699-95-48	39.8	59.8
699-96-52B	20.0	40.1
699-98-51	10.4	25.4
699-97-43C	81.5	86.5
699-97-45B	55.5	61.0
699-97-48C	75.0	80.0

bgs = below ground surface
gpm = gallons per minute
ID = identification
NTU = nephelometric turbidity unit

Three of the wells (699-96-49, 699-98-46A, and 699-97-43), which were used to make water table and contamination maps, were decommissioned in 2008 after the last water table data was collected (Figure 1-1). No further data will be available from those wells.

2.3 CHROMIUM CONTAMINATION

Based on recent sampling results for the new wells and other nearby wells, the hexavalent chromium plume in the Horn area appears to be continuous between the 100-D and 100-H Areas (Figure 2-18). The hexavalent chromium plume is shown as the area above a concentration of 20 µg/L (the compliance standard in accordance with EPA et al. 1996). The aquatic standard for surface water is 11 µg/L.

Figure 2-15. Water Table Map for the Horn Area (March 2008).

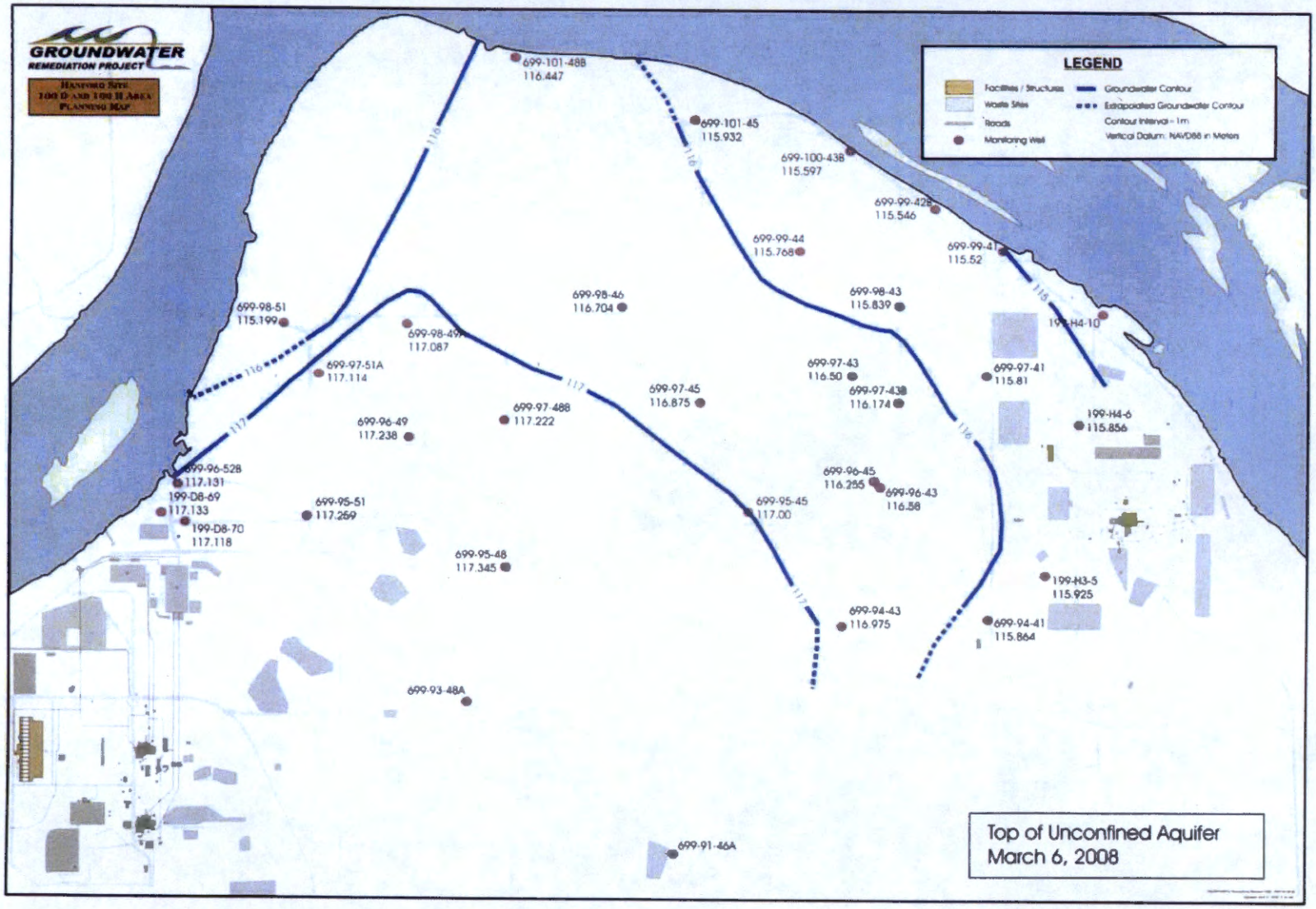


Figure 2-16. Water Table Map for the Horn Area (June 2008).

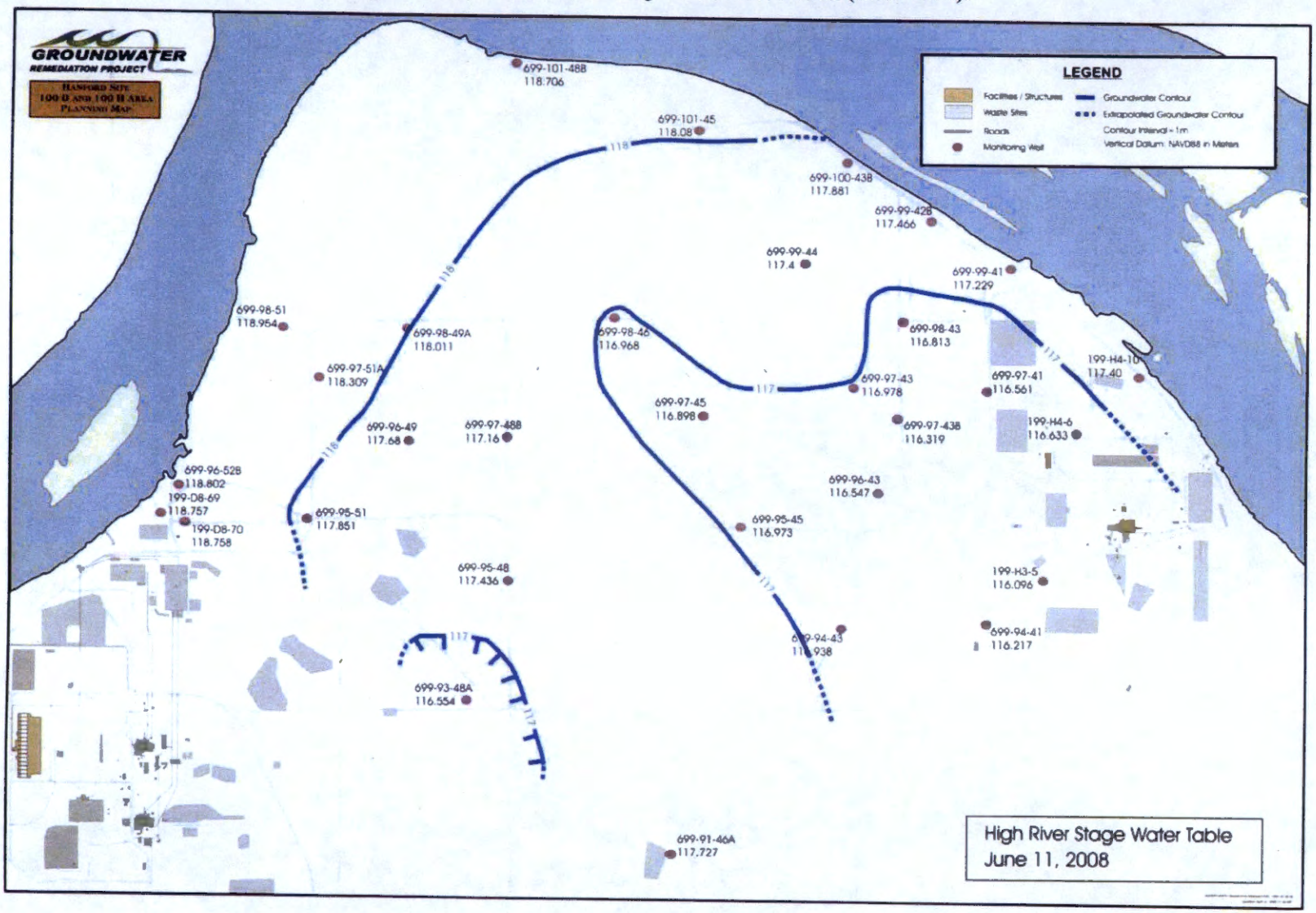
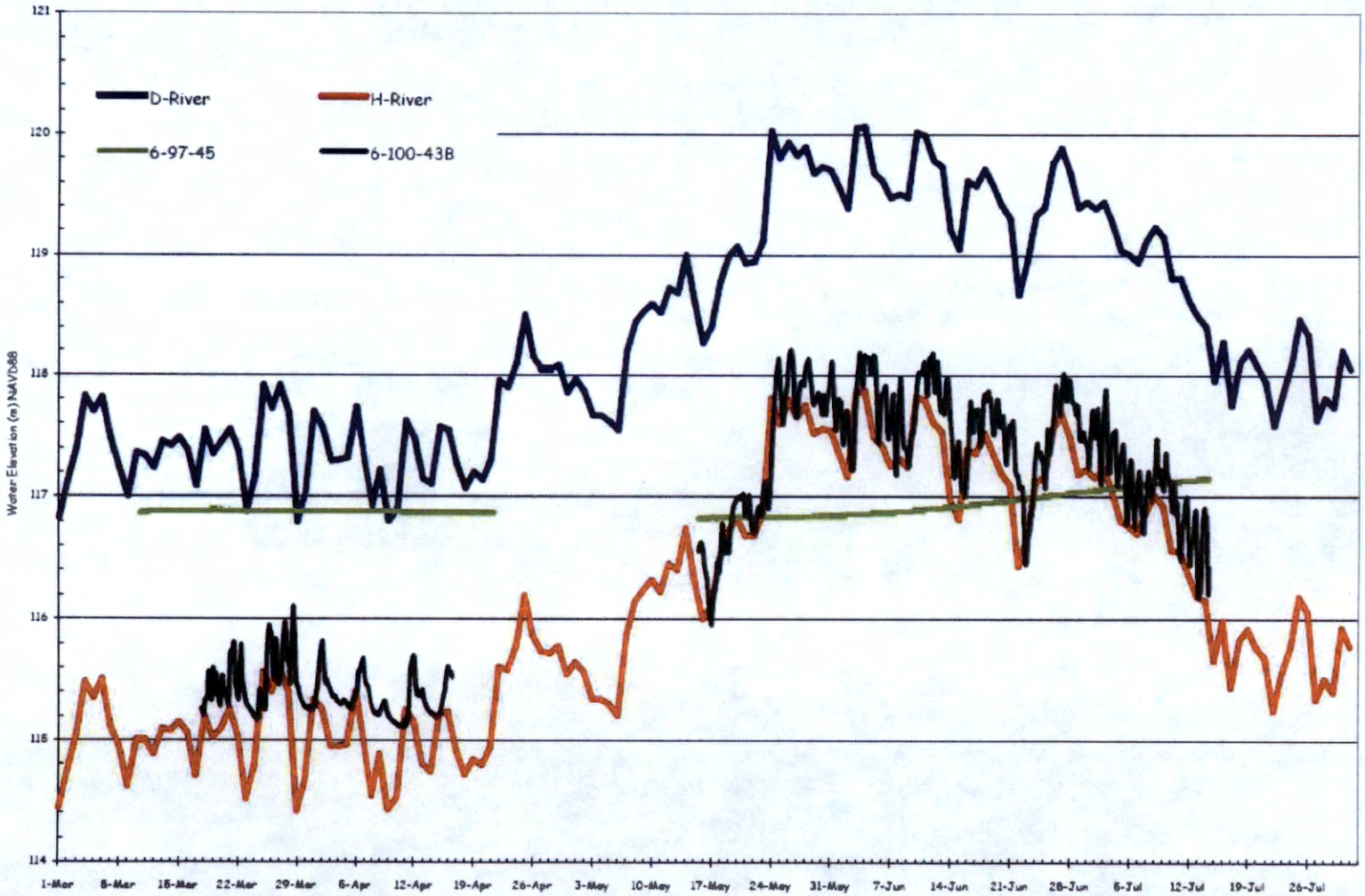


Figure 2-17. Hydrographs of Selected Wells and River Levels at 100-D and 100-H in 2008.



In addition, there are two high-concentration areas within the plume: the area immediately adjacent to the 100-D Area, and the area immediately west of the 100-H Area. Injection wells in the 100-H Area create a hydrologic barrier on the east side of the plume that prevents the plume from extending eastward into the 100-H Area. The majority of the plume is between 20 and 100 μg/L, which is below the federal drinking water standard for total chromium (100 μg/L). The ROD specifies that the groundwater in near-river compliance wells must be <20 μg/L (EPA et al. 1996). The maximum concentration level for hexavalent chromium in the groundwater is 48 μg/L (*Washington Administrative Code* [WAC] 173-340-720. "Model Toxics Control Act – Cleanup," "Ground Water Cleanup Standards").

Hexavalent chromium concentrations for February 2008 for the new unconfined aquifer wells and aquifer tubes, as well as the concentrations for nearby wells from the fall of 2007, are presented in Figure 2-19. The hexavalent chromium plume for later sample rounds is not significantly different than for figures 2-18 and 2-19 thus are not presented. Hexavalent chromium concentrations for the new wells and new aquifer tubes are presented in Table 2-2.

2.3.1 Sampling Results

Eighteen new aquifer tubes were installed upstream from the 100-H Area in October 2007, between the low- and high-water zone near the Columbia River (Figure 1-1). Short screens (15.2-cm [6-in.]-long) were installed at various depths from 1.43 to 5.48 m (4.68 to 17.98 ft) using a pneumatic hammer (Table 2-3 and Figure 2-20). The aquifer tubes were initially sampled in November 2007 and then re-sampled in March 2008, May 2008, and August 2008 for hexavalent chromium and field parameters (i.e., pH, temperature, specific conductivity, turbidity, and dissolved oxygen). Complete results of the sampling events are presented in Appendix B. The highest detected concentration of hexavalent chromium in November 2007 was 64 μg/L in aquifer tube C5673, 63.2 μg/L in March 2008 in aquifer tube C5676, 73.7 μg/L in May 2008 in aquifer tube C5674, and 24.4 μg/L in August 2008 in aquifer tube C5673.

The new wells were initially sampled in February 2008 and re-sampled in April and May 2008, July 2008, and November 2008 for hexavalent chromium, inductively coupled plasma metals, ion chromatography anions, gross alpha, gross beta, tritium, and field parameters (i.e., pH, temperature, specific conductivity, and turbidity). Complete results of the sampling events are presented in Appendix B. The highest concentrations of hexavalent chromium in the unconfined aquifer in February, April, July, and November 2008 were 103 μg/L, 99 μg/L, 97.3 μg/L, and 91.5 μg/L, respectively, in well 699-97-43B. The highest concentration of hexavalent chromium in the confined aquifer in February 2008 was 13.8 μg/L in well 699-97-48C, 7 μg/L in April 2008 in well 699-97-45B, 18 μg/L in July 2008 in well 699-97-48C, and 17 μg/L in November 2008 in well 699-97-48C.

Other constituents of interest were detected in groundwater sampling in the new wells. Tables 2-4, 2-5, 2-6, and 2-7 present the highest values found during sampling.

Figure 2-18. Unfiltered Hexavalent Chromium Distribution (April/May 2008).

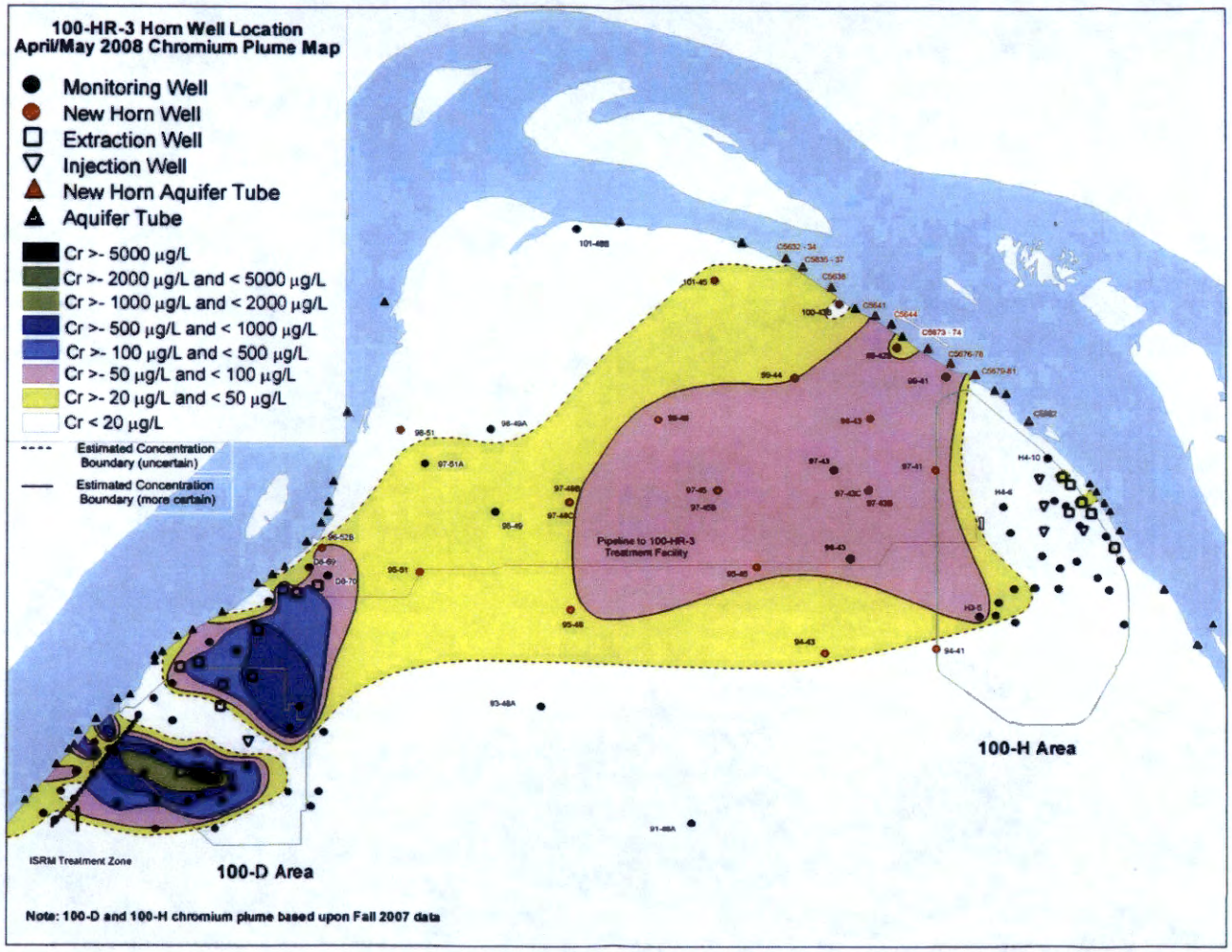


Figure 2-19. Unfiltered Hexavalent Chromium Distribution (February 2008).

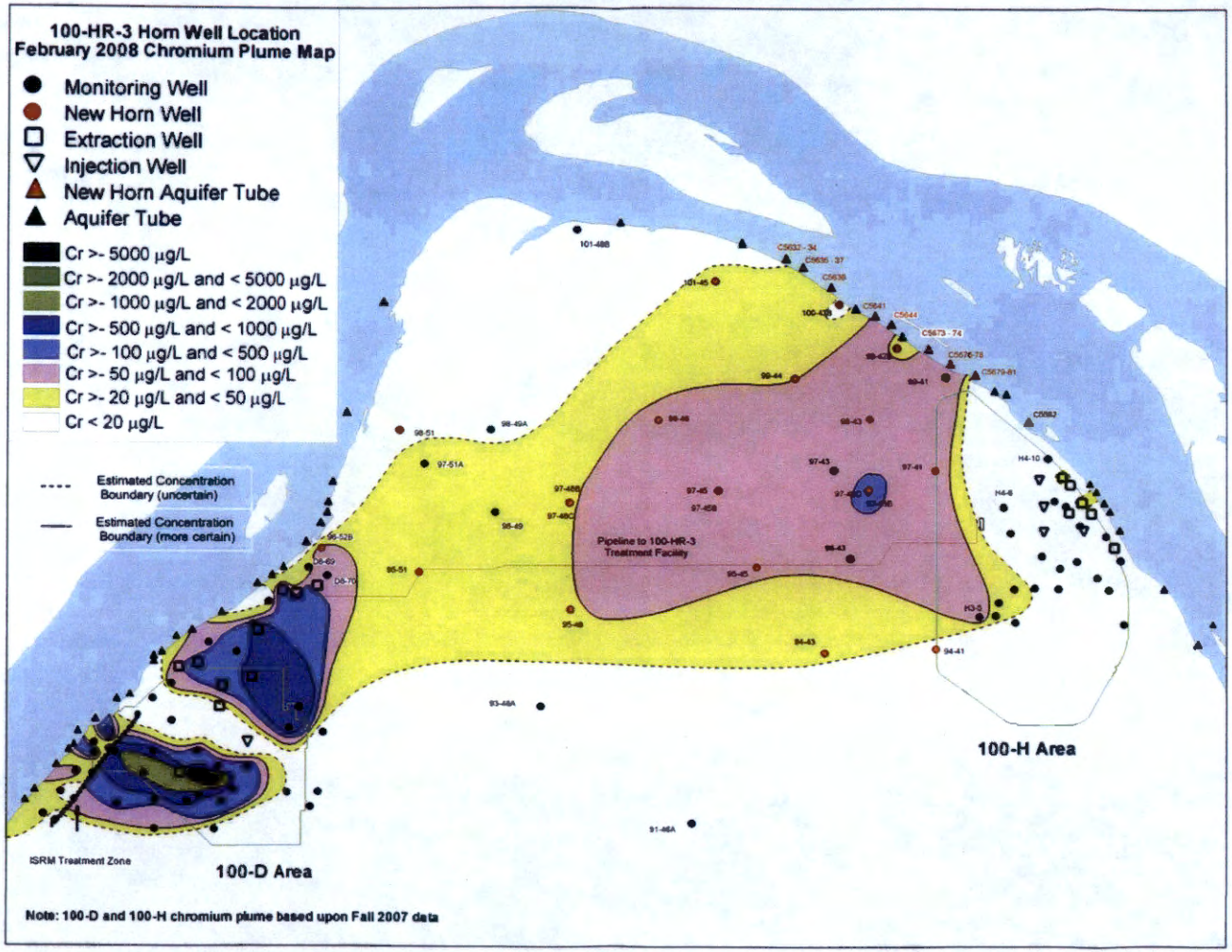


Table 2-2. Hexavalent Chromium Concentrations from Quarterly Sampling and Well Development Data from New Wells and Aquifer Tubes. (2 pages)

Well Name	Well ID	February 2008	April/May 2008	July 2008	November 2008	Development Value	Comments
699-100-43B	C5647	2U	5	12.9	8.8	24	
699-99-42B	C5648	40.2	41	25.9	45.1	42	
699-99-41	C5649	70.8	73	18	50.5	74	
699-99-44	C5650	44.4	42	44.5	44	49	
699-98-43	C5656	64	72	65.8	66.7	73	
699-97-41	C5657	89.4	83	53.8	57.7	80	
699-98-46	C5658	71.9	53	53.9	50.4	67	
699-97-45	C5659	69.7	68	55.2	60	66	
699-95-45	C5660	63.2	62	62.6	37	64	
699-94-43	C5661	34.4	41	39.3	37.7	28	
699-97-48B	C5662	40.2	38	41.8	37.9	42	
699-95-51	C5663	26.3	23	37.9	24.5	34	
699-97-43B	C5664	103	99	97.3	91.5	117	
699-94-41	C5665	16	18	14.2	13.3	17	
699-101-45	C5666	29.7	39	12.7	37.4	34	
699-95-48	C5667	37.1	36	36.9	32.1	45	
699-96-52B	C5668	58.6	56	49.8	53	79	
699-98-51	C5669	2U	12	2U	8.1	17	
699-97-43C	C5685	2U	2U	2U	2U	8	Confined aquifer.
699-97-45B	C5686	2U	7	3.7	2U	5.3	Confined aquifer.
699-97-48C	C5687	13.8	2U	18	17	42	Confined aquifer.

Table 2-2. Hexavalent Chromium Concentrations from Quarterly Sampling and Well Development Data from New Wells and Aquifer Tubes. (2 pages)

Aquifer Tube Number	Well ID	November 2007	March 2008	May 2008	August 2008	Development Value	Comment
C5632	C5632	3.8	NS	2U	2.9	NA	Low conductivity in November.
C5633	C5633	13.9	14.7	8.8	6.7	NA	
C5634	C5634	1.2	2U	28.7	2U	NA	
C5635	C5635	3.8	NS	2U	2U	NA	Low conductivity in November.
C5636	C5636	24	10.7	14.1	6.1	NA	
C5637	C5637	20.2	14.5	3.5	6.9	NA	
C5638	C5638	27.4	32.5	20.7	23.1	NA	
C5641	C5641	51.4	2U	45.9	22.7	NA	
C5644	C5644	52.6	22.2	36.6	18.1	NA	
C5673	C5673	64	32.5	45.9	24.4	NA	
C5674	C5674	37.5	26.1	73.7	21.2	NA	
C5676	C5676	60.2	63.2	41.9	20	NA	
C5677	C5677	46.3	58.1	57.8	18.7	NA	
C5678	C5678	33.7	40.2	56.5	22.5	NA	
C5679	C5679	8.4	2U	11.5	2U	NA	
C5680	C5680	10.9	3	11.5	5.9	NA	
C5681	C5681	17.3	2U	20.7	12.1	NA	
C5682	C5682	11.4	2U	20.7	2.5	NA	

NOTE: All hexavalent chromium values are in µg/L.
ID = identification
NA = not applicable
NS = not sampled due to low conductivity
U = not detected

Table 2-3. New Aquifer Tubes Installation Details.

Well ID	Well Name	Northing (m)	Easting (m)	Elev. (mNAVD88)	Installation Date	Screen Top (ft bgs)	Screen bottom (ft bgs)
C5632	C5632	154227.7	576389.3	115.62	10/31/07	7.26	7.76
C5633	C5633	154228	576390.6	115.52	10/31/07	17.48	17.98
C5634	C5634	154228.9	576391.4	115.32	10/30/07	31	31.5
C5635	C5635	154181.1	576478.8	115.42	10/29/07	7	7.5
C5636	C5636	154179.4	576481.4	115.38	10/29/07	15.58	17.08
C5637	C5637	154178.3	576483.7	115.38	10/30/07	12.38	12.88
C5638	C5638	154070.4	576634.1	115.17	10/29/07	5.67	6.17
C5641	C5641	153916.6	576871.6	115.1	10/27/07	4.68	5.18
C5644	C5644	153869.3	576960.9	114.82	10/26/07	6.43	6.93
C5673	C5673	153736.7	577157.5	114.76	10/25/07	5.2	5.7
C5674	C5674	153736	577157	114.8	10/26/07	8.09	8.59
C5676	C5676	153656.1	577276.3	115.3	10/24/07	5.38	5.88
C5677	C5677	153657.2	577277.3	114.85	10/25/07	7.91	8.41
C5678	C5678	153653.5	577278.7	115.37	10/24/07	7.98	8.45
C5679	C5679	153593.4	577409.7	114.97	10/31/07	3.97	4.47
C5680	C5680	153593.8	577408.4	115.07	10/23/07	11.85	12.35
C5681	C5681	153594.6	577407.4	114.9	10/24/07	13.22	13.72
C5682	C5682	153338.7	577699.8	114.9	10/23/07	8.85	9.3

NOTE: The coordinates and elevation for C5674 are estimated. Elevation for C5682 estimated.
bgs = below ground surface
ID = identification
NAVD88 = North American Vertical Datum of 1988

Figure 2-20. Cross-Section Showing Aquifer Tube and Near-River Wells Upstream of 100-H Area.

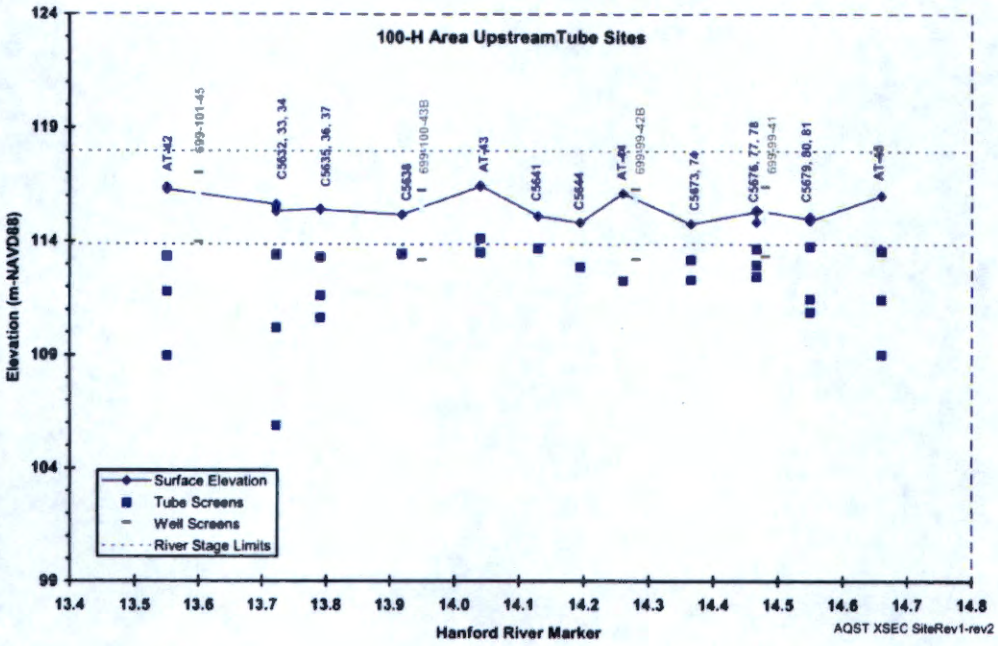


Table 2-4. Maximum Analyte Concentrations Detected in Groundwater Data in New Wells in February 2008. (2 pages)

Analyte	Max. Conc. (February 2008)	Well Name	Comments
Antimony	75.3 µg/L	699-94-43	Possible laboratory problem because analyte detected in blank also.
Barium	97.2 µg/L	699-97-48C	Confined aquifer.
Beryllium	4U µg/L	NA	Not detected.
Cadmium	4U µg/L	NA	Not detected.
Calcium	64,500 µg/L	699-95-51	
Chloride	22,000 µg/L	699-95-51	
Chromium	90.3 µg/L	699-97-43B	
Cobalt	5.9 µg/L	699-97-48C	Confined aquifer.
Copper	6.4 µg/L	699-97-48C	Confined aquifer.
Fluoride	371 µg/L	699-97-45B	Confined aquifer.
Gross alpha	2.5 pCi/L	699-97-43C	Confined aquifer.
Gross beta	16 pCi/L	699-95-51	
Hexavalent chromium	103 µg/L	699-97-43B	Value is higher than total chromium value in same sample.
Iron	685 µg/L	699-97-43C	Confined aquifer.

Table 2-4. Maximum Analyte Concentrations Detected in Groundwater Data in New Wells in February 2008. (2 pages)

Analyte	Max. Conc. (February 2008)	Well Name	Comments
Magnesium	15,500 µg/L	699-94-43	
Manganese	343 µg/L	699-97-45B	Confined aquifer.
Nickel	6 µg/L	699-97-45B	Confined aquifer.
Nitrate	31,300 µg/L	699-97-41	
Nitrite	453 µg/L	699-94-43	
pH	7.96	699-97-43C	Confined aquifer; unconfined aquifer range 6.99 to 7.84; confined aquifer range 7.56 to 7.96.
Potassium	7,540 µg/L	699-97-45B	Confined aquifer.
Silver	5U µg/L	NA	Not detected.
Sodium	32,400 µg/L	699-94-43	
Specific conductivity	507 µS/cm	699-94-43	
Strontium	358 µg/L	699-94-43	
Sulfate	89,300 µg/L	699-95-51	
Temperature	20.1°C	699-97-43C	Unconfined aquifer range 11.5 to 20.1; confined aquifer range 13.3 to 14.7.
Tritium	5,500 pCi/L	699-97-43B	
Vanadium	20.7 µg/L	699-97-48C	Confined aquifer.
Zinc	106 µg/L	699-97-48C	Confined aquifer.

NA = not applicable
U = not detected

Table 2-5. Maximum Analyte Concentrations Detected in Groundwater Data in New Wells in April/May 2008. (2 pages)

Analyte	Max. Conc. (April/May 2008)	Well Name	Comments
Antimony	6.1 µg/L	699-98-46	
Barium	97.2 µg/L	699-97-48C	Confined aquifer.
Beryllium	4U µg/L	NA	Not detected.
Cadmium	4U µg/L	NA	Not detected.
Calcium	61,900 µg/L	699-95-51	
Chloride	26,400 µg/L	699-95-51	
Chromium	94.5 µg/L	699-97-43B	
Cobalt	5.8 µg/L	699-97-48B	
Copper	4.6U µg/L	NA	Not detected.
Fluoride	350 µg/L	699-97-45B	Not detected.
Gross alpha	2.2 pCi/L	699-99-44	

Table 2-5. Maximum Analyte Concentrations Detected in Groundwater Data in New Wells in April/May 2008. (2 pages)

Analyte	Max. Conc. (April/May 2008)	Well Name	Comments
Gross beta	9 pCi/L	699-97-41	
Hexavalent chromium	99 µg/L	699-97-43B	Value is higher than total chromium value in same sample.
Iron	682 µg/L	699-97-43C	Confined aquifer.
Magnesium	14,900 µg/L	699-94-43	
Manganese	602 µg/L	699-97-45B	Confined aquifer.
Nickel	13.3U µg/L	NA	
Nitrate	31,000 µg/L	699-96-52B	
Nitrite	2,500U µg/L	NA	Not detected.
pH	7.9	699-97-43C	Confined aquifer; unconfined aquifer range 7.11 to 7.87, confined aquifer range 7.68 to 7.9.
Potassium	8,000 µg/L	699-95-51	
Silver	6U µg/L	NA	Not detected.
Sodium	32,800 µg/L	699-94-43	
Specific conductivity	505 µS/cm	699-97-41	
Strontium	362 µg/L	699-94-43	
Sulfate	92,800 µg/L	699-95-51	
Temperature	20.6°C	699-95-51	Unconfined aquifer range 12.2 to 20.6, confined aquifer range 17.2 to 19.1.
Tritium	5,030 pCi/L	699-97-43B	
Vanadium	18.6 µg/L	699-97-43C	Confined aquifer.
Zinc	37.5 µg/L	699-97-48C	Confined aquifer.

NA = not applicable
U = not detected

Table 2-6. Maximum Analyte Concentrations Detected in Groundwater Data in New Wells in July 2008.

Analyte	Max. Conc. (July 2008)	Well Name	Comments
Antimony	56U µg/L	NA	Not detected.
Barium	112 µg/L	699-97-48C	Confined aquifer.
Beryllium	4U µg/L	NA	Not detected.
Cadmium	6.1 µg/L	699-99-42B	
Calcium	67,000 µg/L	699-95-51	
Chloride	24,600 µg/L	699-95-51	
Chromium	90.6 µg/L	699-97-43B	
Cobalt	4.8 µg/L	699-97-43B	
Copper	6U µg/L	NA	Not detected.
Fluoride	360 µg/L	699-97-45B	Confined aquifer.
Gross alpha	3.09 pCi/L	699-94-43	
Gross beta	14 pCi/L	699-97-43B	
Hexavalent chromium	97.3 µg/L	699-97-43B	Value is higher than total chromium value in same sample.
Iron	1570 µg/L	699-97-43C	Confined aquifer.
Magnesium	16,500 µg/L	699-97-45B	Confined aquifer.
Manganese	450 µg/L	699-97-45B	Confined aquifer.
Nickel	9 µg/L	699-97-45B	Confined aquifer.
Nitrate	32,900 µg/L	699-98-43	
Nitrite	250U µg/L	NA	Not detected.
pH	8.02	699-97-43C	Confined aquifer; unconfined aquifer range 7.05 to 7.95; confined aquifer range 7.67 to 8.02.
Potassium	6,840 µg/L	699-97-45	
Silver	11.8 µg/L	699-95-51	
Sodium	34,600 µg/L	699-94-43	
Specific conductivity	501 µS/cm	699-94-43	
Strontium	438 µg/L	699-94-43	
Sulfate	92,900 µg/L	699-95-51	
Temperature	23°C	699-97-45	Unconfined aquifer range 15.8 to 23; confined aquifer range 19.2 to 20.5.
Tritium	5,100 pCi/L	699-97-43B	
Vanadium	24.2 µg/L	699-97-48C	Confined aquifer.
Zinc	72.1 µg/L	699-97-45B	Confined aquifer.

NA = not applicable
U = not detected

Table 2-7. Maximum Analyte Concentrations Detected in Groundwater Data in New Wells in November 2008.

Analyte	Max. Conc. (November 2008)	Well Name	Comments
Antimony	60U µg/L	NA	Not detected.
Barium	88.5 µg/L	699-97-45B	Confined aquifer.
Beryllium	4U µg/L	NA	Not detected.
Cadmium	4U µg/L	NA	Not detected.
Calcium	67,500 µg/L	699-95-51	
Chloride	22,400 µg/L	699-95-51	
Chromium	82.5 µg/L	699-97-43B	
Cobalt	5U µg/L	NA	Not detected.
Copper	6U µg/L	NA	Not detected.
Fluoride	361 µg/L	699-97-45B	Confined aquifer.
Gross alpha	2.43 pCi/L	699-97-43B	
Gross beta	11.4 pCi/L	699-94-41	
Hexavalent chromium	91.5 µg/L	699-97-43B	Value is higher than total chromium value in same sample.
Iron	471 µg/L	699-97-43C	Confined aquifer.
Magnesium	15,700 µg/L	699-94-43	
Manganese	289 µg/L	699-97-45B	Confined aquifer.
Nickel	13.3U µg/L	NA	Not detected.
Nitrate	31,900 µg/L	699-94-43	
Nitrite	98.5U µg/L	NA	Not detected.
pH	8.05	699-97-45B	Confined aquifer; unconfined aquifer range 6.55 to 7.9; confined aquifer range 7.6 to 8.05.
Potassium	6,720 µg/L	699-94-41	
Silver	11.9 µg/L	699-94-43	
Sodium	32,200 µg/L	699-94-43	
Specific conductivity	515 µS/cm	699-94-43	
Strontium	463 µg/L	699-94-43	
Sulfate	89,300 µg/L	699-95-51	
Temperature	20.1°C	699-97-43C	Unconfined aquifer range 11.5 to 20.1; confined aquifer range 13.3 to 14.7.
Tritium	5,500 pCi/L	699-97-43B	
Vanadium	20.7 µg/L	699-97-48C	Confined aquifer.
Zinc	106 µg/L	699-97-48C	Confined aquifer.

NA = not applicable
U = not detected

2.3.2 Mixing Between River Water and Groundwater

In the Horn area, the specific conductance can be used as a qualitative indicator of the degree of mixing between river water and groundwater. Near-shore river water has a specific conductance of 125 to150 μS/cm; specific conductance in uncontaminated groundwater is expected to be in the range of 350 to 400 μS/cm, with values of 600 to 800 μS/cm not uncommon in areas of contamination (BHI-00778; *Aquifer Sampling Tube Completion Report: 100 Area and Hanford Townsite Shorelines* [BHI-01153]). When the river stage is high and river water flows into the aquifer, groundwater samples from aquifer sampling tubes and wells closer to the river will have a higher contribution of river water and a correspondingly lower specific conductance. When the river stage is low and groundwater flows toward the river, groundwater samples from aquifer sampling tubes and wells closer to the river will have a higher contribution of groundwater and a correspondingly higher specific conductance. The hexavalent chromium concentrations in groundwater in wells and aquifer sampling tubes near the river will decrease during times of high river stage, with a corresponding decrease in specific conductivity.

2.3.3 Depth-Discrete Sampling of the Unconfined Aquifer

Depth-discrete groundwater samples were analyzed for hexavalent chromium from seven new wells in the Horn area using a small-diameter KABIS® sampler in March 2008 (Table 2-8). The objective was to detect and quantify vertical stratification of contaminant concentrations. Water samples were collected every 0.61 m (2 ft), starting from 0.3 m (1 ft) below the water table and progressing to about 0.3 m (1 ft) above the Ringold Upper Mud. The wells to be sampled were selected based on an unconfined aquifer thickness >3.1 m (10 ft) and a hexavalent chromium concentration >20 μg/L when the well was developed.

Generally, hexavalent chromium concentrations increased with depth below the water table; however, the range of values was not very great in most cases. The greatest range was from 22.4 to 59.1 μg/L in well 699-95-51. This well is northeast of the 100-D Area source and is less susceptible to fluctuations in river stage than wells closer to the river. The 1967 infiltration test in 100-D Area may have driven contamination deeper into the unconfined aquifer. In the remainder of the wells, the range of values was minimal, which suggests that stratification of hexavalent chromium does not occur to a significant degree in the Horn area. Turbidity, pH, and temperature of the samples generally increased with depth below the water table in each well. Specific conductivity generally decreased with depth; the initial specific conductivity readings were usually significantly higher than other readings. The reason for this is unknown. When turbidity is greater than 5 NTU, conclusions drawn from hexavalent chromium values may not be valid.

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Table 2-8. Depth-Discrete Sampling Results. (2 pages)

Well Name	Well ID	Depth (m btc)	Hexavalent Chromium (µg/L)	pH (unit-less)	Temperature (°C)	Specific Conductivity (µS/cm)	Turbidity (NTU)
699-98-43	C5656	6.925	72.2	7.55	13.5	448	7.97
		7.535	72.2	7.58	14.4	440	10.6
		8.144	73.5	7.68	14.3	438	18.9
		8.754	73.5	7.64	14.7	436	30.2
		9.363	76.0	7.7	14.5	434	27.4
		9.973	74.7	7.72	14.8	436	30.5
699-97-41	C5657	12.105	70.5	7.40	15.6	741	1.93
		12.715	75.2	7.57	15.5	513	7.58
		13.324	77.6	7.59	16.0	503	8.97
		13.934	79.9	7.68	15.7	510	13.9
		14.543	79.9	7.65	15.2	510	30.4
		15.153	82.3	7.71	15.6	514	57.3
		15.763	83.5	7.56	14.9	511	120
		16.372	78.7	7.72	14.6	515	158
699-94-43	C5661	13.148	39.7	7.42	15.0	496	4.76
		13.758	39.7	7.62	14.5	492	5.33
		14.367	39.7	7.63	14.5	492	8.2
		14.977	39.7	7.63	14.3	487	9.23
		15.586	38.5	7.66	14.5	492	12.6
		16.196	38.5	7.68	15.1	493	20.4
699-97-48B	C5662	12.117	46.6	7.54	14.9	959	13.7
		12.727	44.0	7.42	14.4	401	13.8
		13.337	45.3	7.66	14.4	401	14.0
		13.946	44.0	7.70	14.6	398	18.2
		14.555	45.3	7.75	14.8	398	14.6
		15.165	45.3	7.74	15.3	396	24.6
		15.775	51.7	7.75	15.3	411	36.0
699-95-51	C5663	15.358	22.4	7.79	16.2	872	1.55
		15.968	23.7	7.85	17.4	512	10.1
		16.577	25.0	7.87	18.7	501	11.5
		17.187	26.2	7.87	18.1	496	13.5
		17.796	30.0	7.85	18.2	502	22.4
		18.406	35.1	7.87	18.0	505	45.3
		19.016	41.4	7.83	18.7	509	54.1
		19.625	59.1	7.74	18.4	509	96.7

Table 2-8. Depth-Discrete Sampling Results. (2 pages)

Well Name	Well ID	Depth (m btc)	Hexavalent Chromium (µg/L)	pH (unit-less)	Temperature (°C)	Specific Conductivity (µS/cm)	Turbidity (NTU)
699-95-48	C5667	13.673	27.5	7.76	12.4	1559	6.87
		14.283	27.5	7.86	13.3	402	7.14
		14.892	28.8	7.88	12.5	391	10.7
		15.502	28.8	7.88	13.1	389	21.8
		16.112	27.5	7.93	13.0	390	20.3
		16.721	25.0	7.92	12.7	394	16.6
		17.331	26.2	7.92	13.5	395	13.0
		17.94	26.2	7.90	13.9	393	35.0
699-96-52B	C5668	7.132	55.3	7.66	18.9	805	8.52
		7.742	55.3	7.65	18.1	441	12.5
		8.352	55.3	7.68	17.9	439	6.77
		8.961	56.6	7.68	17.4	440	28.7
		9.571	57.9	7.69	17.7	441	20.0
		10.18	64.2	7.70	17.8	441	37.7
		10.79	65.4	7.63	17.4	442	47.5
		11.4	69.2	7.73	17.5	444	47.0

NOTE: Samples with turbidity >5 NTU may not be representative.
btc = below top of casing
ID = identification
NTU = nephelometric turbidity units

2.3.4 Chromium Contamination Within the Ringold Upper Mud Unit

Three new wells (699-97-43C, 699-97-45B, and 699-97-48C) were completed within the first water-bearing zones below the top of the Ringold Upper Mud Unit to obtain water-level and chemical data. Immediately adjacent to each of these wells is an unconfined aquifer well. There are no significant hydraulic head differences between the unconfined aquifer and the first semi-confined aquifer. Hexavalent chromium contamination of the water-bearing zone during drilling >20 µg/L is observed in well 699-97-48C but is significantly below 20 µg/L in the other two wells. It should be noted that the samples exhibited turbidity readings well above 5 NTU. When turbidity is greater than 5 NTU, conclusions drawn from hexavalent chromium values may not be valid.

The wells were over-drilled to about 36.6 m (120 ft) bgs to collect water samples from water-bearing units within the Ringold Upper Mud. Water samples were collected during drilling operations using a submersible pump and pumping the intervals until field parameters stabilized, and a sample was then collected for hexavalent chromium analysis just before the pump was turned off (Table 2-9). The highest values found were 12.5 and 28.9 µg/L in well 699-97-48C from water-bearing units between 21.6, 24.7, 32, and 37.5 m (71, 81, 105, and 123 ft) bgs, respectively. A hexavalent chromium concentration of 5.1 µg/L was detected in well 699-97-43C between 23.5 and 26.5 m (77 and 87 ft) bgs. No other intervals showed hexavalent

chromium. Natural background levels for chromium in groundwater at the Hanford Site ranges from 0.5 to about 4.4 μg/L (*Hanford Site Background: Part 3, Groundwater Background* [DOE/RL-96-61]). Hexavalent chromium concentrations of 81 and 95 μg/L were found in wells 199-H4-12C (screened 21.9 to 25 m [72 to 82 ft] bgs) and 199-H4-15CS (screened 23.8 to 24.4 m [78 to 80 ft] bgs), respectively, in late spring 2008 (per the Hanford Environmental Information System [HEIS] database). The two wells are screened within the upper section of the Ringold Upper Mud and may be in the same hydrostratigraphic interval as the deep Horn wells. Chromium contamination in the 100-H Area confined wells was discussed in BHI-00917, and no conclusion was made on the possible source of the contamination. The CERCLA 5-year report (DOE/RL-2006-20) discusses studying the presence of chrome in the Ringold Upper Mud. As the 5-year report states: characterization is needed below the Ringold Upper Mud at least into the first initial aquifer (water-producing zone).

Three alternative conceptual models that individually, or in combination, could explain the deep hexavalent chromium at 100-H Area include the following:

1. Hexavalent chromium was carried down during drilling and/or the well (199-H4-15C) has acted as a contaminant pathway cross-contaminating the aquifer (contamination originated in the unconfined aquifer).
2. Hexavalent chromium was driven into the deeper aquifer/semi-confining units as a result of a downward hydraulic gradient generated from mounding during operations at the 100-H Area.
3. Hexavalent chromium migrated across the Horn area from the 100-D Area, driven in part by significant mounding in that area in the 1960s, and later under more natural hydraulic gradients. Mounding pushed chromium deep into the aquifer and poorly constructed wells allowed cross-contamination.

Contamination within the Ringold Upper Mud in well 699-97-48C is likely related to the 1967 large-scale infiltration test in the 100-D Area due to its proximity. At the time of the test, well 699-96-49, which was drilled in 1962, was perforated from above the Ringold Upper Mud and into the Ringold Upper Mud. Water from the test may have entered the Ringold Upper Mud via perforations in the well. The well has been completely decommissioned. The confined aquifer in the other deep wells did not show significant hexavalent chromium contamination, which would indicate that the Ringold Upper Mud is effective in separating the unconfined aquifer from the confined aquifers.

Well screens were installed in the uppermost water-bearing units within the Ringold Upper Mud in accordance with the sampling and analysis instruction (SGW-33224). The highest hexavalent chromium concentration found during routine groundwater sampling is 13.8 μg/L in well 699-97-48C (Table 2-9). This implies that the concentrations found during well drilling and well development may be remnants of the drilling process by dragging down hexavalent chromium with the drill bit.

Table 2-9. Hexavalent Chromium Concentrations Within the Ringold Upper Mud Unit.

Well Name	Top of Ringold Upper Mud (ft bgs)	Depth Interval (ft bgs)	Sample Number	Hexavalent Chromium (µg/L)
699-97-43C	50.5	77-87	B1PLD4	5.1
699-97-43C	50.5	101-103	B1PK96	2U
699-97-45B	39.6	51.5-62	B1PK89	10U
699-97-45B	39.6	70-80	B1PK94	10U
699-97-48C	55	71-81	B1PK92	12.5
699-97-48C	55	105-123	B1PK93	28.9

NOTE: All samples were >5 NTU. Samples with turbidity >5 NTU may not be representative. Samples collected with submersible pump inside a temporary screen during drilling operations.
bgs = below ground surface
NTU = nephelometric turbidity units
U = not detected

2.3.5 Configuration of the Chromium Groundwater Plume

Recent drilling in the Horn area confirmed previous chromium plume map interpretations as indicated in BHI-00917 and in annual Hanford Site groundwater reports. Based on the April/May 2008 sampling results for hexavalent chromium in the unconfined aquifer, the plume (as defined by the 20 µg/L contour shown in Figure 2-18) in the Horn area appears to be continuous from the 100-D Area to just west of the 100-H Area. The plume apparently discharges into the Columbia River during low river stage upstream and downstream of well 699-99-42B and varies in width from about 900 m (2,953 ft) east of the 100-D Area to a maximum width of about 2,600 m (8,530 ft) west of the 100-H Area. A broad area of hexavalent chromium concentrations between 50 and 100 µg/L is present from west of the 100-H Area, extending westward to just east of wells 699-95-48 and 699-97-48B. Another area of hexavalent chromium concentrations between 50 and 100 µg/L is immediately east of the 100-D Area. The hexavalent chromium plume of concentrations >20 µg/L covers an approximate area of 6.3 km^2 (2.4 mi^2).

2.4 POTENTIAL SOURCE OF THE CHROMIUM PLUME

The source of the hexavalent chromium in groundwater in the Horn area is attributed to use of sodium dichromate during operations of the D/DR and H Reactors. Sodium dichromate was used to retard corrosion in the metal pipes of the reactor cooling system. In this application, sodium dichromate was added to the cooling water to maintain hexavalent chromium concentrations between 150 to 700 µg/L. Prior to use, the sodium dichromate was delivered to the reactor sites and stored in concentrated solutions containing up to 70% dichromate by weight. Reports pertaining to the operations in the 100-D and 100-H Areas include WHC-SD-EN-TI-181 and BHI-00127.

Spills and leaks of the concentrated solutions and discharge of treated cooling water to the soil column released chromium that eventually migrated through the vadose zone to groundwater. Chromium sources in the vicinity of the D/DR Reactors appear to be the primary contributors to groundwater contamination in the Horn area based on apparent groundwater flow direction. Sources in the 100-H Area (e.g., the 183-H solar evaporation basin) are known to have leaked hexavalent chromium and other waste constituents (*Calendar Year 2005 Annual Summary Report for the 100-HR-3, 100-KR-4, and 100-NR-2 Operable Unit Pump-and-Treat Operations* [DOE/RL-2006-08]). However, groundwater contamination from this area migrated eastward to the river and has not affected the central Horn area. The 100-HR-3 pump-and-treat system has been in operation since 1997 to address this issue.

A search of the Waste Information Data System database revealed one waste site outside of the 100-D and 100-H Areas that received hexavalent chromium waste. This site, the 600-105 sodium dichromate barrel disposal landfill, was located in the 100-IU-4 source OU. The groundwater beneath the 100-IU-4 OU is included in the 100-HR-3 Groundwater OU. The landfill, located approximately 1.5 km (0.9 mi) south of the hexavalent chromium contamination adjacent to the 100-H Area, has been remediated and is not considered a significant source of contamination (*Sodium Dichromate Expedited Response Action Assessment* [DOE/RL-93-64]). In 1993, approximately 5,000 crushed, 208-L (55-gal) drums, reportedly containing sodium dichromate residue at the time of original disposal, were removed from the landfill site. Fifty-seven soil samples were collected in and around the site and analyzed for hexavalent and total chromium. The results showed that the chromium content was below the regulatory Method A cleanup level of 100 mg/kg (WAC 173-340). In addition, 2006 analytical data for groundwater collected from well 699-91-46A (which is adjacent to the barrel disposal site) showed a hexavalent chromium concentration of 10 µg/L (HEIS database).

Groundwater pump-and-treat systems for hexavalent chromium removal at both the 100-D and 100-H Areas have been in operation since 1997 (DOE/RL-2006-08). Hexavalent chromium concentrations at the 100-H Area have been substantially reduced using the pump-and-treat remedial method (see Figures 2-18 and 2-19). However, hexavalent chromium plumes at the 100-D Area have not been significantly reduced by the pump-and-treat effort, which strongly indicates that at least one active vadose zone chromium source exists. A separate investigation is underway in the 100-D Area to locate the vadose zone source(s) (*Field Investigation Plan for the Source of the Southwestern Chromium Plume in the 100-D Area* [DOE/RL-2006-74]).

Hexavalent chromium was detected below the unconfined aquifer in the Horn area at much lower concentrations as discussed in Section 2.3.4. Hydraulic head data from these wells indicate that the aquifer within which the wells were completed is semi-confined (*Technical Memorandum – Hydrogeologic Design Basis for the 100-HR-3 IRM Pump and Treat* [BHI 1996]). Therefore, the contamination may be a remnant of earlier downward migration from the contaminated unconfined aquifer. Given the long-term groundwater flow pattern, westward migration of contamination from the 100-H Area to the Horn area below the Ringold Upper Mud contact is very unlikely; however, there does appear to be eastward migration of contamination from the 100-D Area to the Horn area below the Ringold Upper Mud contact as exhibited in well 699-97-48C.

Water-level data from 1964 show that during the time when reactors were operational, groundwater mounding, caused by discharge of wastewater to the soil column at both reactor sites, raised local water levels relative to the central Horn area (*Status of the Ground Water Beneath Hanford Reactor Areas January, 1962 to January, 1963* [HW-77170]). This perturbation of the water table may have induced a direction of groundwater flow in the central Horn region that is more northerly than indicated by current water-level contours.

The 1967 data represent water table elevations during a large-scale infiltration test that was conducted at the 116-DR-1 liquid waste disposal trench (BNWL-CC-1352). Over a 4-month period, approximately 12.9 billion L (3.4 billion gal) of reactor coolant effluent were disposed to the trench. Near the trench, the water level in the unconfined aquifer was nearly 9 m (30 ft) higher than the present-day level. This event may have significantly contributed to migration of hexavalent chromium from the 100-D Area toward the central Horn area and the 100-H Area.

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3.0 CO-CONTAMINANTS

Hexavalent chromium has been identified as a contaminant of concern and has been the primary focus of groundwater remediation efforts at the D and H Reactor areas. Besides hexavalent chromium, other known groundwater contaminants in the 100-HR-3 OU include strontium-90, technetium-99, uranium, nitrate, and tritium (*Hanford Site Groundwater Monitoring for Fiscal Year 2007* [DOE/RL-2008-01]). Figures 2-18 and 2-19 illustrate the successful effects of groundwater remediation in the 100-H Area.

Recent groundwater monitoring samples were not analyzed for strontium-90, technetium-99, and uranium, although samples were analyzed for gross alpha and gross beta (both below maximum contaminant levels [MCLs]).

Recent groundwater monitoring data from the new confined aquifer wells show elevated levels of manganese and iron above secondary MCLs of 50 and 300 µg/L, respectively. The manganese and iron detected in the groundwater were found in confined aquifer wells (699-97-45B, 699-97-43C, and 699-97-48C) and are likely due to the stainless-steel construction of the wells (Table 3-1). New stainless-steel wells at Hanford commonly exhibit elevated levels of manganese and iron which decrease with time.

Elevated antimony was detected in April and May 2008 above the MCL of 6 µg/L. A value above the MCL (75.3 µg/L) was also detected in February but is likely a laboratory contamination issue. Nitrate and tritium concentrations were below MCLs for drinking water (45,000 and 20,000 µg/L, respectively).

Table 3-1. Elevated Manganese and Iron Above Established Standards in Confined Aquifer Wells (in µg/L).

Well Name	Analyte	MCL	February 2008	April/May 2008	July 2008	November 2008
699-97-45B	Mn	50	343	602	450	289
699-97-45B	Fe	300	14.1	67.7B	507	203
699-97-43C	Mn	50	329	209	351	48.5
699-97-43C	Fe	300	685	682	1570	471
699-97-48C	Mn	50	319	351	183	79.9
699-97-48C	Fe	300	43.8	16.1	64.5C	200

NOTES:

B = The analyte was detected at a value less than the contract required detection limit, but greater than or equal to the instrument detection limit or method detection limit (as appropriate).

C = The analyte was detected in both the sample and the associated quality control blank, and the sample concentration was less than or equal to five times the blank concentration.

MCL = maximum contaminant level

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4.0 SUMMARY AND RECOMMENDATIONS

Elevated hexavalent chromium concentrations in the Horn area have been recognized since the 1960s. The current plume of concentrations >20 μg/L covers an area of approximately 6.3 km^2 (2.4 mi^2). The maximum detected hexavalent chromium concentration in the unconfined aquifer from the first four rounds of groundwater sampling in the new wells was 103 μg/L.

Installation and sampling of 21 additional wells and aquifer tubes in FY07 and FY08 (included in this report) provided data to better delineate the extent and configuration of the plume, as well as to refine the hydrogeologic parameters of the area. The Ringold Upper Mud is continuous across the Horn area, relatively flat lying in most places, and acts as the base of the unconfined aquifer. The unconfined aquifer is predominantly in the Hanford formation. The plume is more continuous and larger than recently thought, although previous speculation has been confirmed regarding the lateral extent, continuity, and origin for the chromium plume. Recent drilling has also provided new information on the vertical extent of the plume at inland locations and along the shoreline upstream of the 100-H Area (segment where diffuse portion of plume discharges to the river, see Figure 2-19). The groundwater plume is associated with source areas in the 100-D and 100-H Areas related to reactor activities.

The following recommendations are designed to enhance the understanding of the hexavalent chromium plume and support remediation activities:

- Unconfined aquifer wells should be installed to further delineate the extent and magnitude along the northern, eastern, and southern bounds of the plume. The wells should be drilled to the top of the Ringold Upper Mud Unit and generally screened across the full extent of the unconfined aquifer. Locations would be determined through evaluation of remediation process optimization design process; bullet 5 below.
- Continue monitoring wells in the Horn area in accordance with the sampling and analysis instruction (SGW-33224).
- The addition of any new well in the Horn area should be sampled quarterly in the first year for the analytes listed in Table 4-2 of the sampling and analysis instruction (SGW-33224). After one year, the sampling schedules for new wells will be determined based on the first year's quarterly results.
- Incorporate report data into the remedial investigation/feasibility study 100-HR-3 CERCLA process.
- Incorporate report data into the remediation process optimization design process. Use report data to partially satisfy issue 12 of the second CERCLA 5-year review (DOE/RL-2006-20) with respect to Ringold Upper Mud integrity and perform aquifer tests to resolve the alternative conceptual models. The aquifer testing will also address chromium persistence in the Ringold Upper Mud within the 100-H area. The models that individually, or in combination, may explain the deep hexavalent chromium at 100-H Area include the following:

- Hexavalent chromium was carried down during drilling and/or the well (199-H4-15C) has acted as a contaminant pathway cross-contaminating the water-bearing units within the Ringold Upper Mud (contamination originated in the unconfined aquifer).
- Hexavalent chromium was driven into water-bearing units of the Ringold Upper Mud as a result of a downward hydraulic gradient generated from mounding during operations at the 100-H Area.
- Hexavalent chromium migrated across the Horn area from the 100-D Area, driven in part by significant mounding in that area in the 1960s from testing, and later under more natural hydraulic gradients. Mounding pushed chromium deeper into the water-bearing units of the Ringold Upper Mud through poorly constructed wells allowing cross-contamination.

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APPENDIX A

WELL DEVELOPMENT DRAWDOWN AND RECOVERY CURVES

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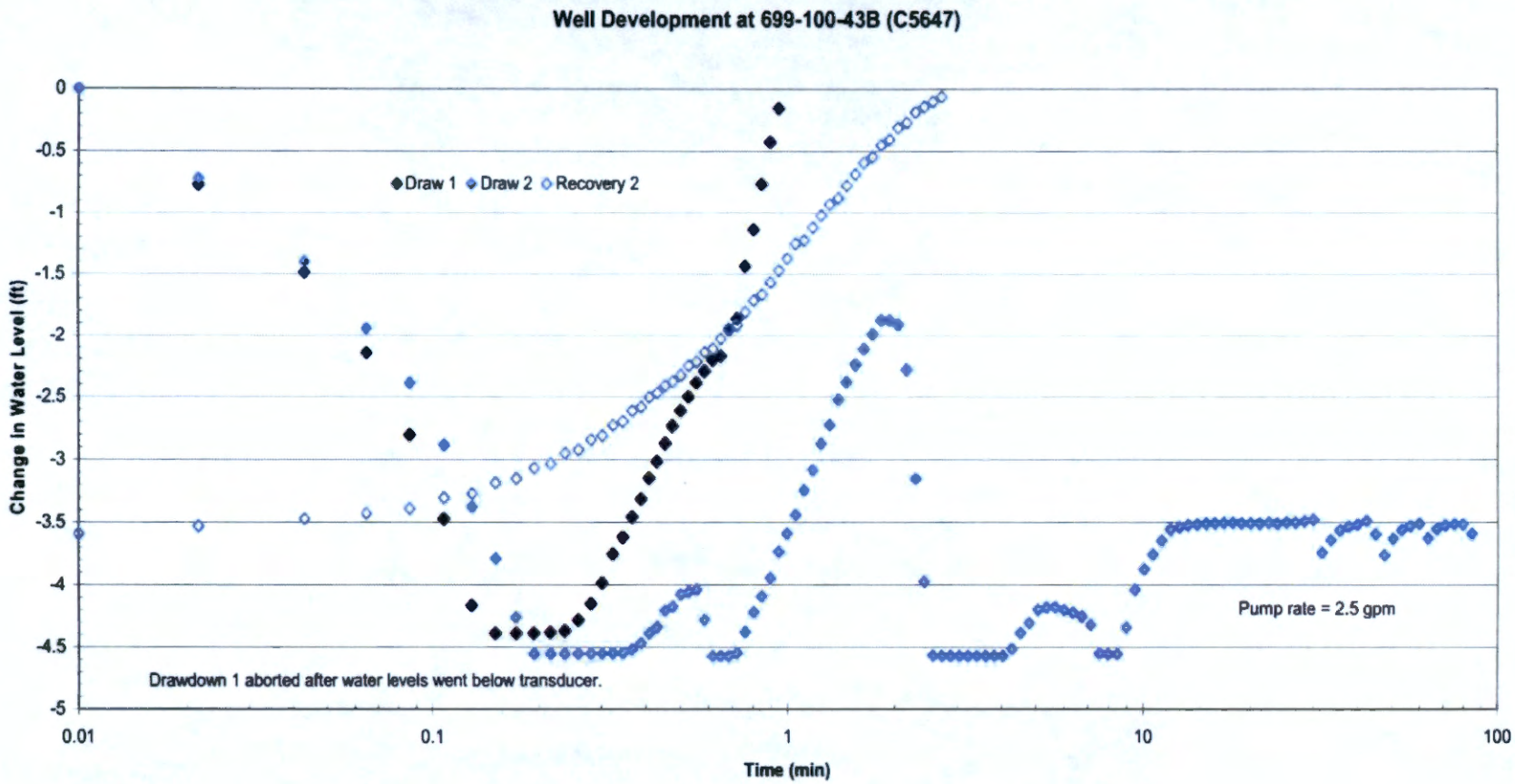
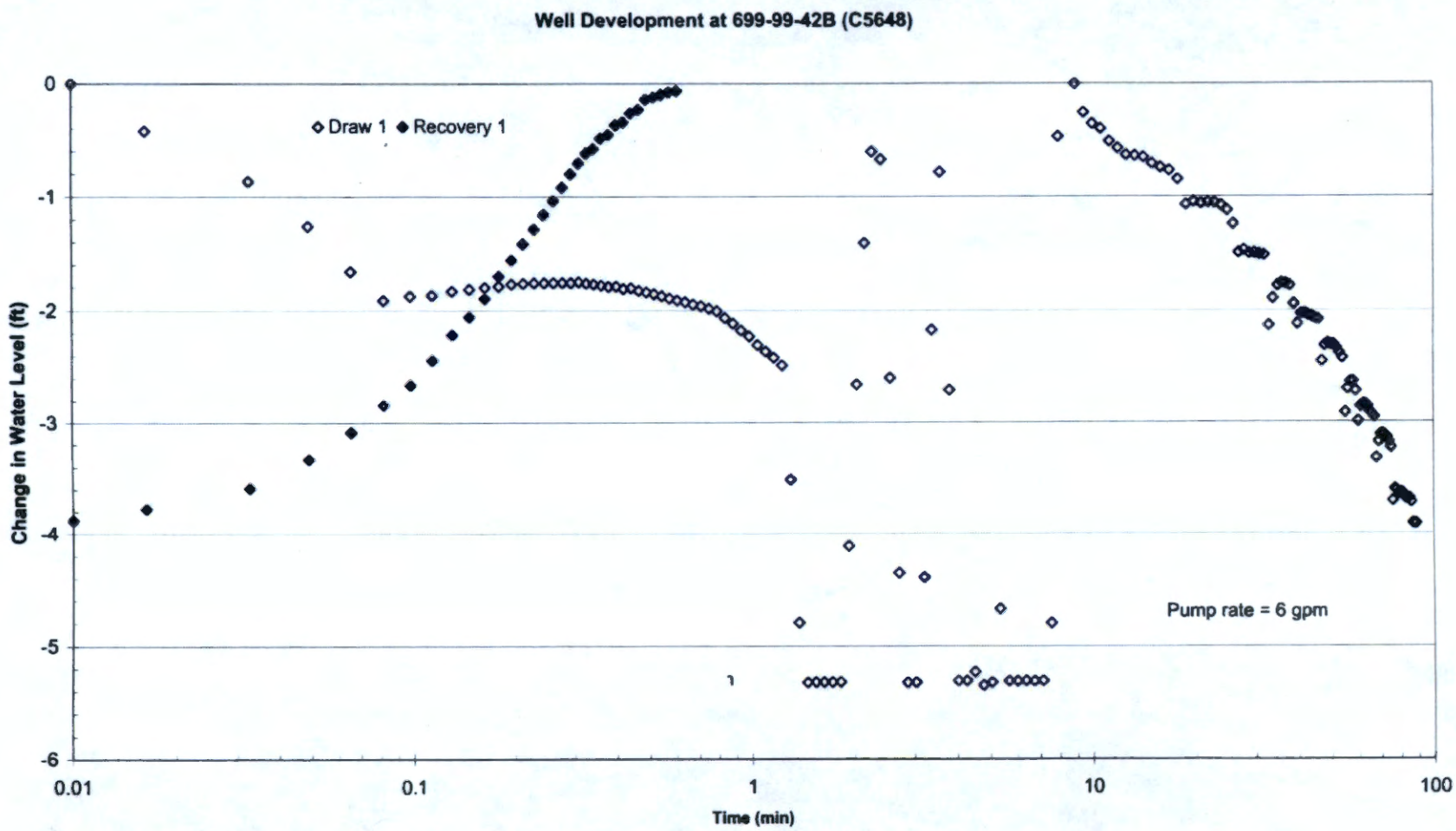
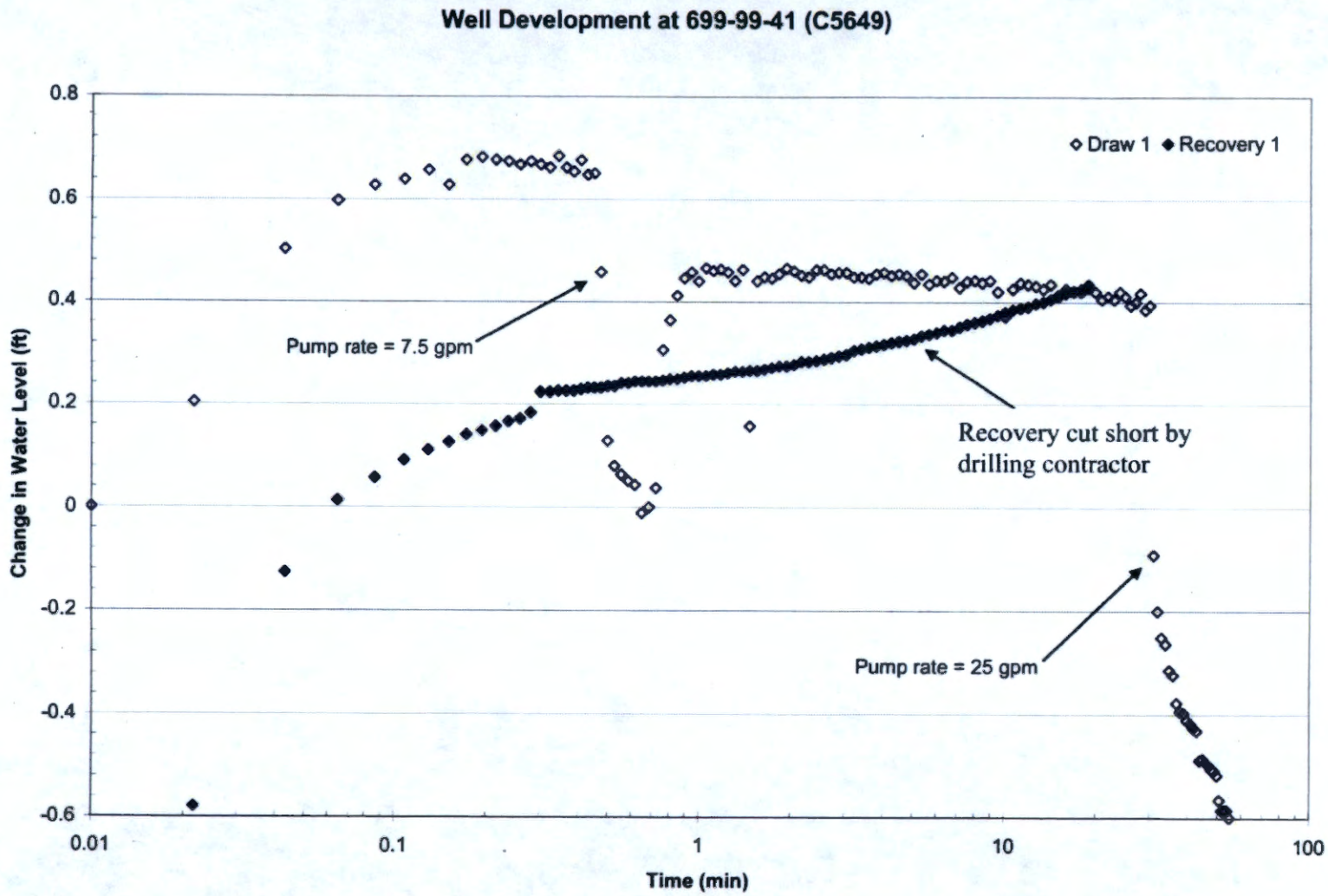
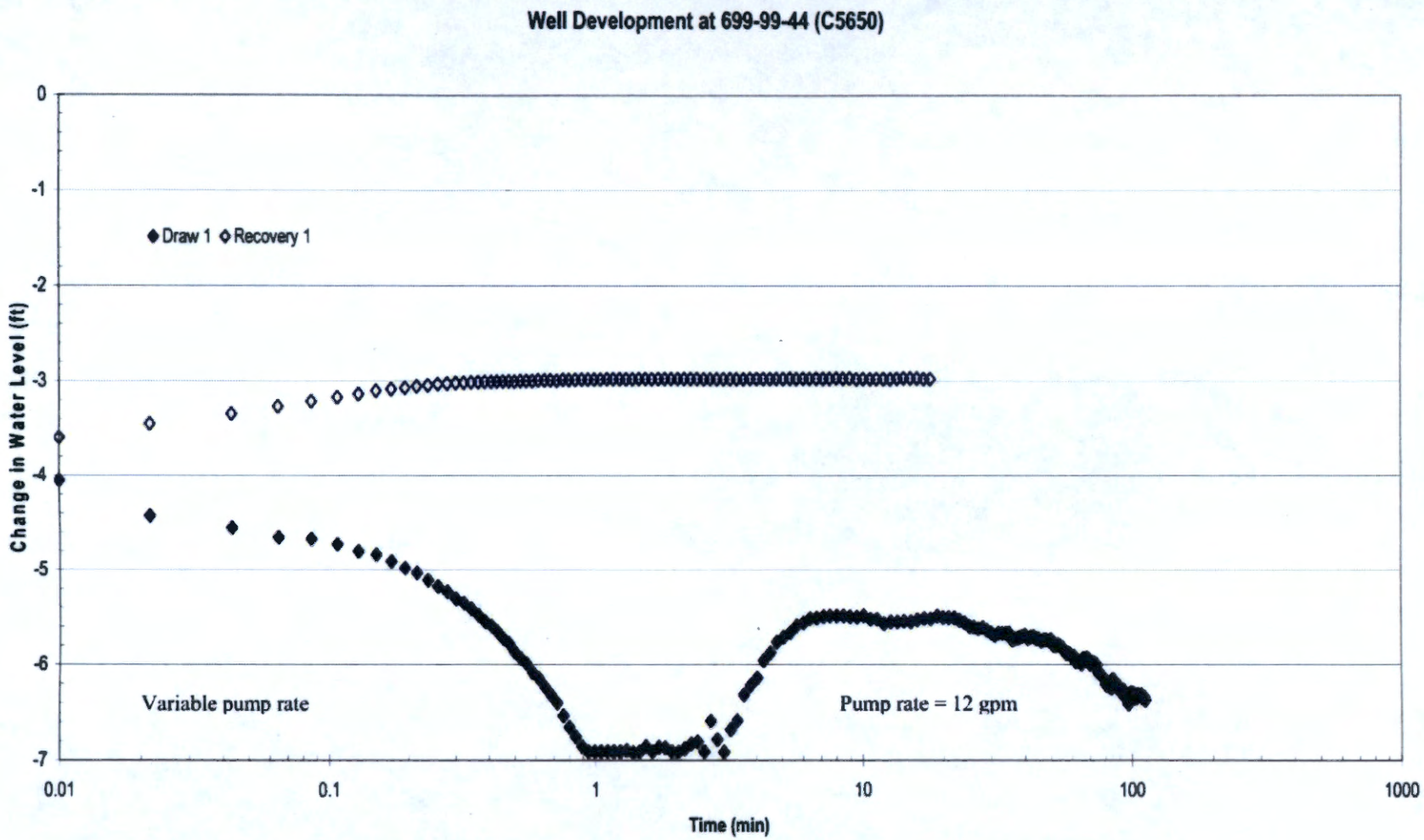
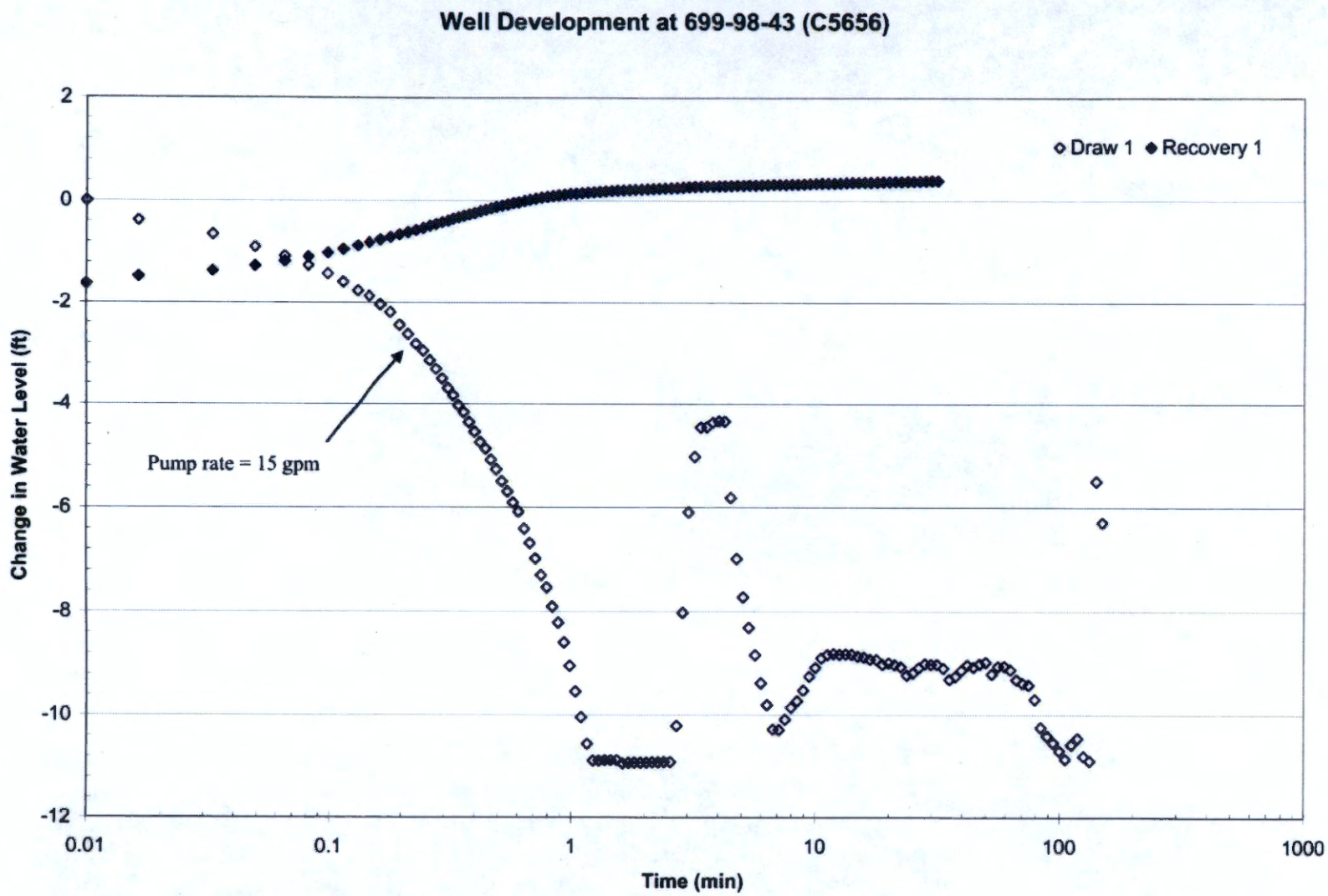
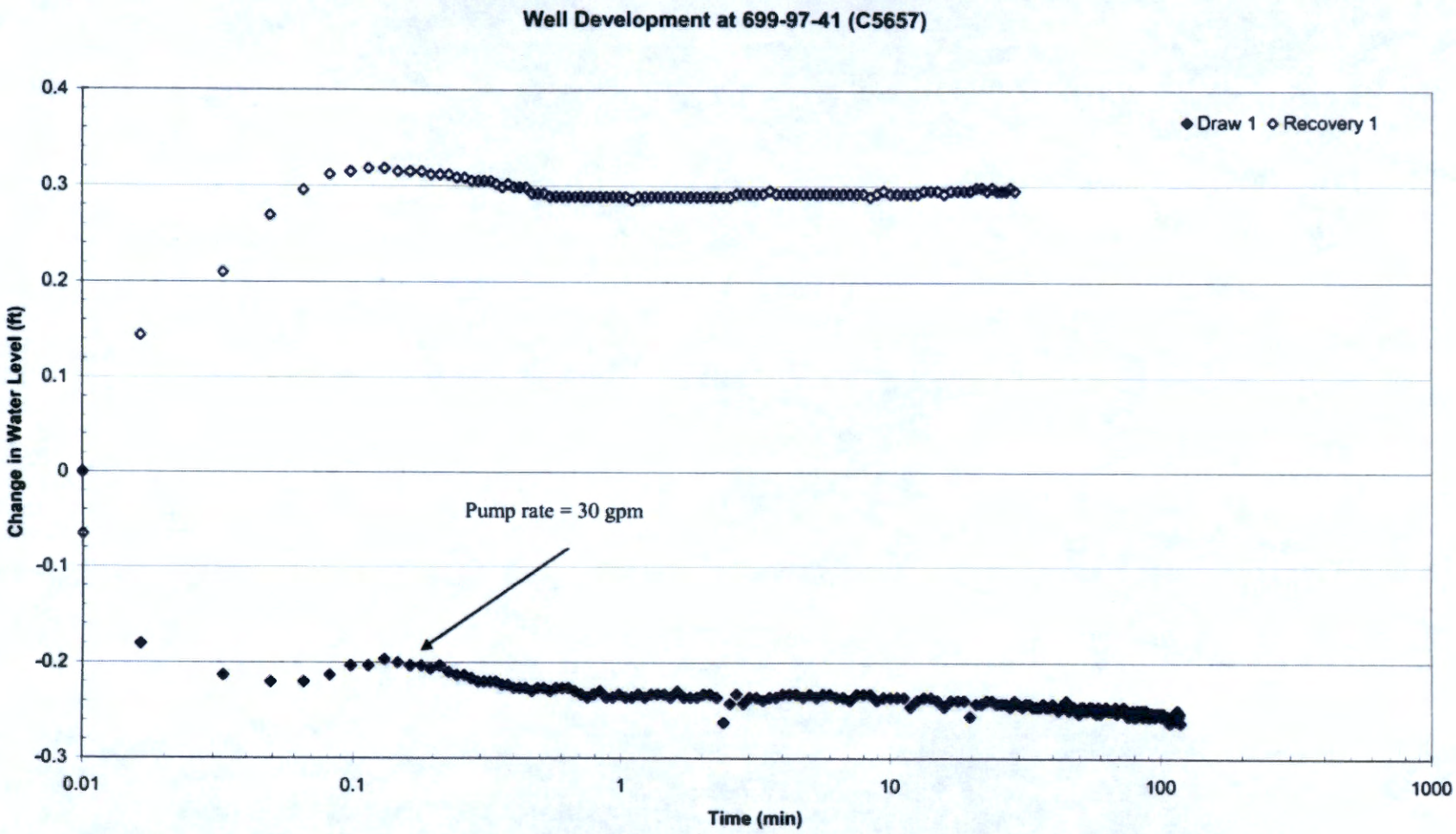

Well Development at 699-100-43B (C5647)
Draw 1
Draw 2
Recovery 2
Change in Water Level (ft)
0
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
-4
-4.5
-5
0.01
0.1
1
10
100
Time (min)
Pump rate = 2.5 gpm
Drawdown 1 aborted after water levels went below transducer.

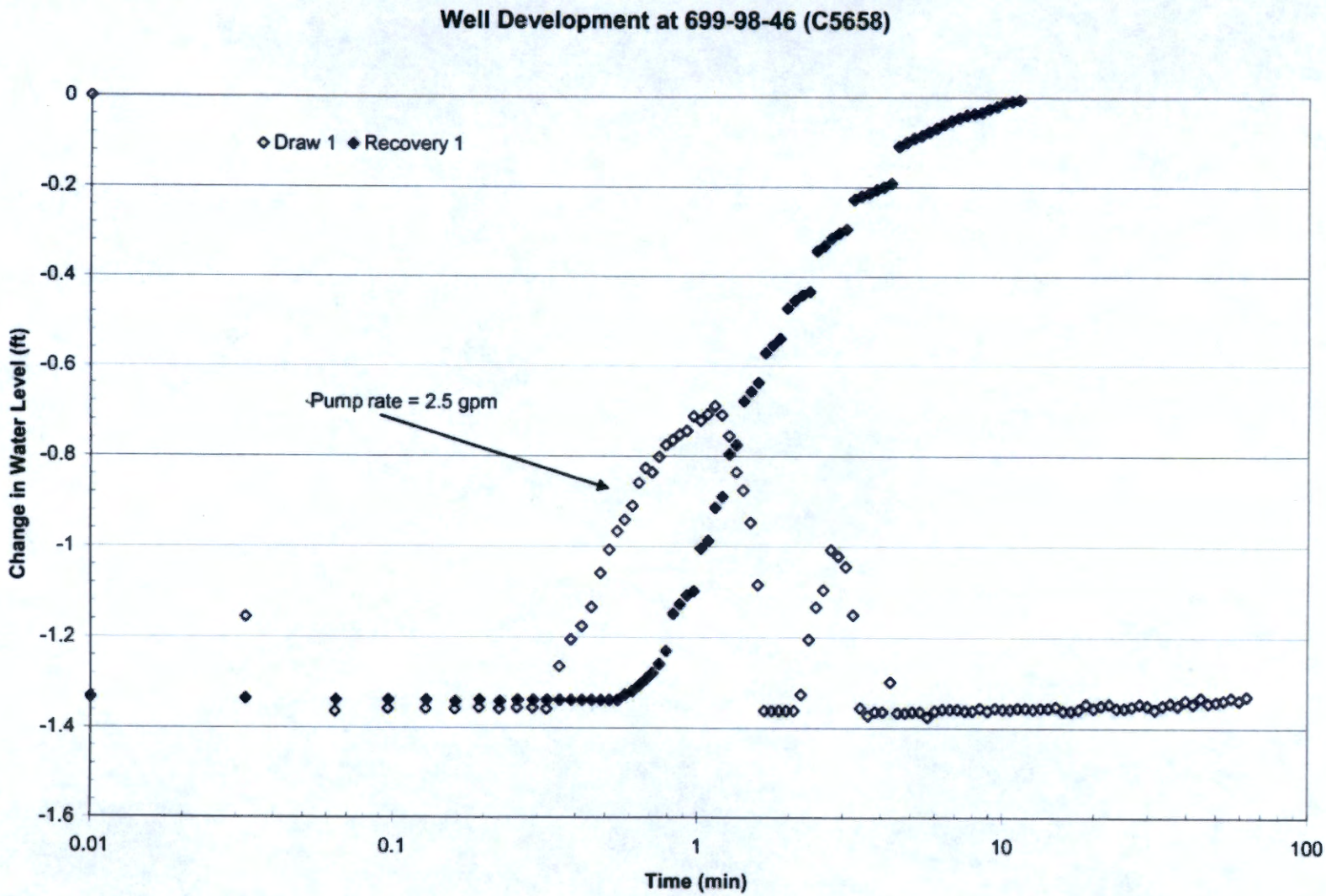

Well Development at 699-99-42B (C5648)
Draw 1
Recovery 1
Pump rate = 6 gpm
Change in Water Level (ft)
0
-1
-2
-3
-4
-5
-6
0.01
0.1
1
10
100
Time (min)

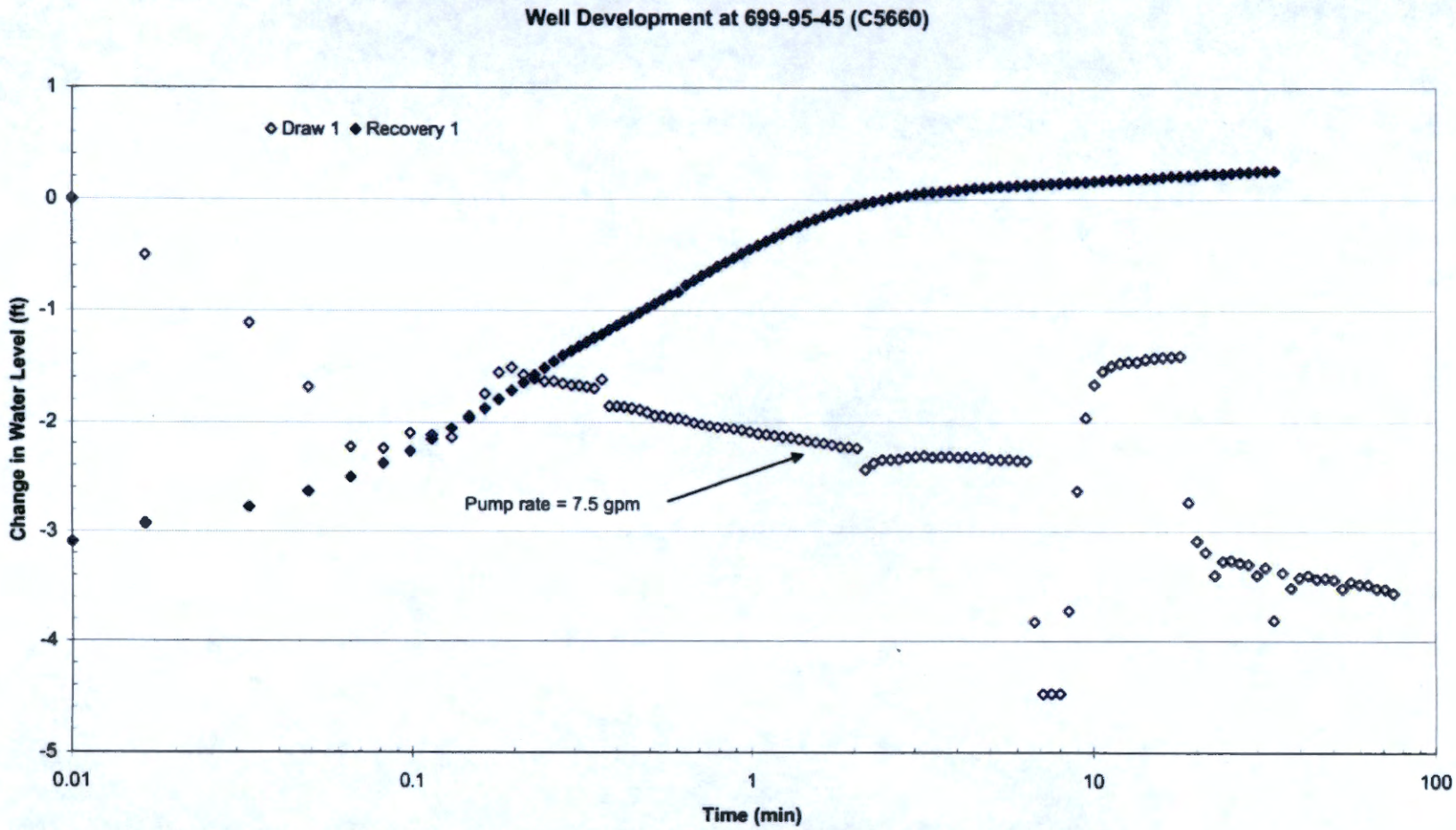

Well Development at 699-99-41 (C5649)
Draw 1
Recovery 1
Pump rate = 7.5 gpm
Recovery cut short by drilling contractor
Pump rate = 25 gpm
Change in Water Level (ft)
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
0.01
0.1
1
10
100
Time (min)

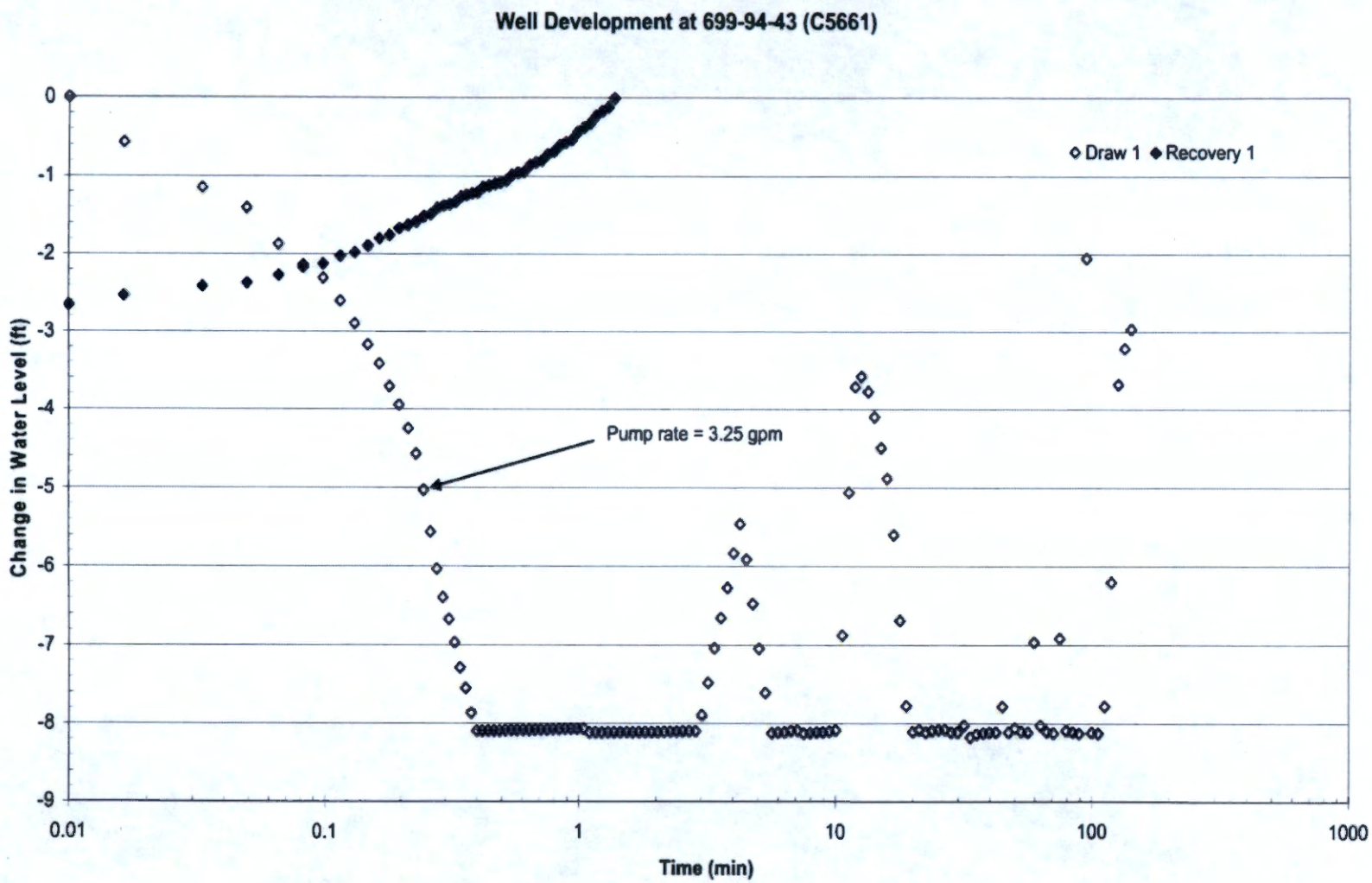

Well Development at 699-99-44 (C5650)
Draw 1
Recovery 1
Change in Water Level (ft)
0
-1
-2
-3
-4
-5
-6
-7
0.01
0.1
1
10
100
1000
Time (min)
Variable pump rate
Pump rate = 12 gpm

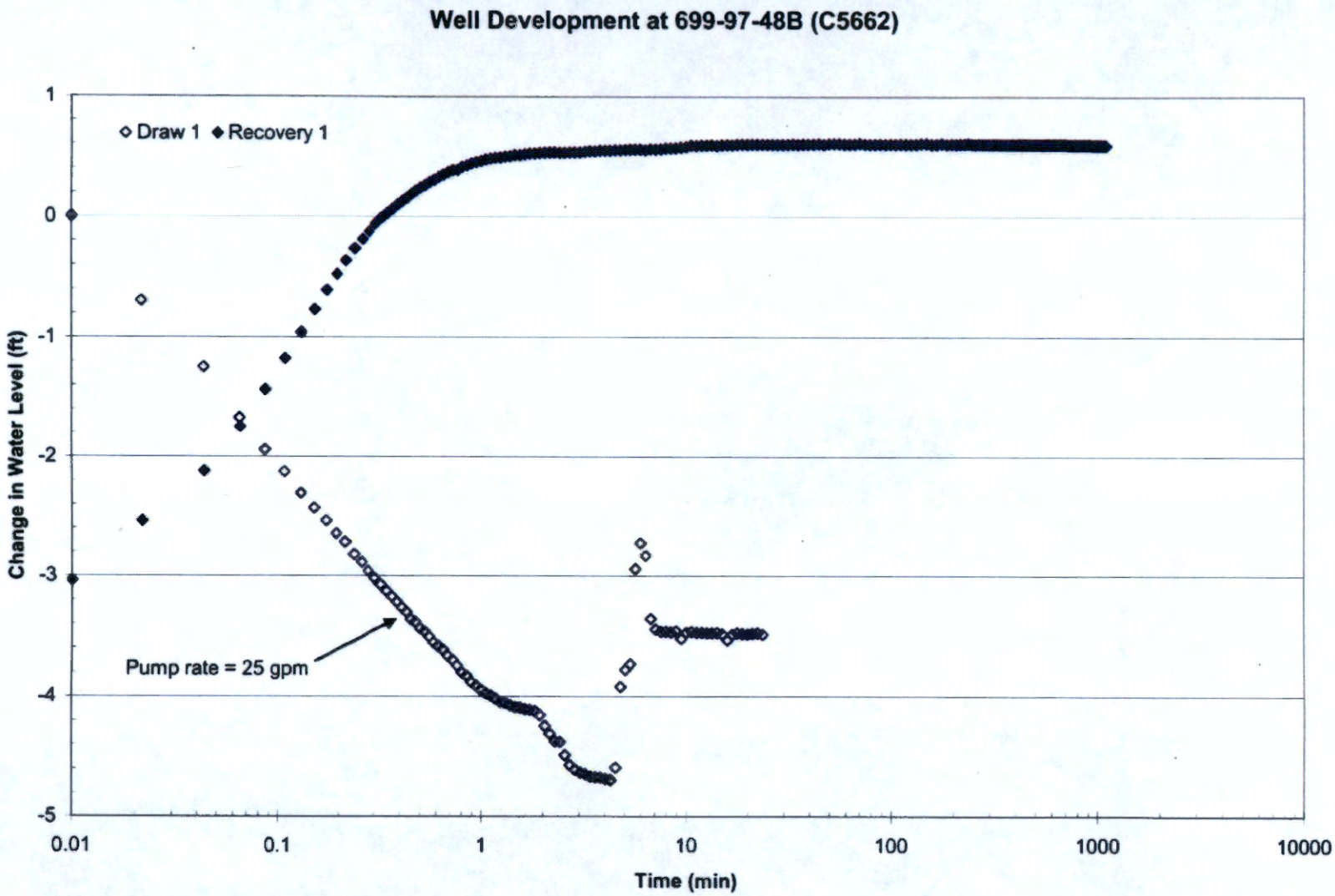

Well Development at 699-98-43 (C5656)
Draw 1
Recovery 1
Pump rate = 15 gpm
Change in Water Level (ft)
2
0
-2
-4
-6
-8
-10
-12
0.01
0.1
1
10
100
1000
Time (min)

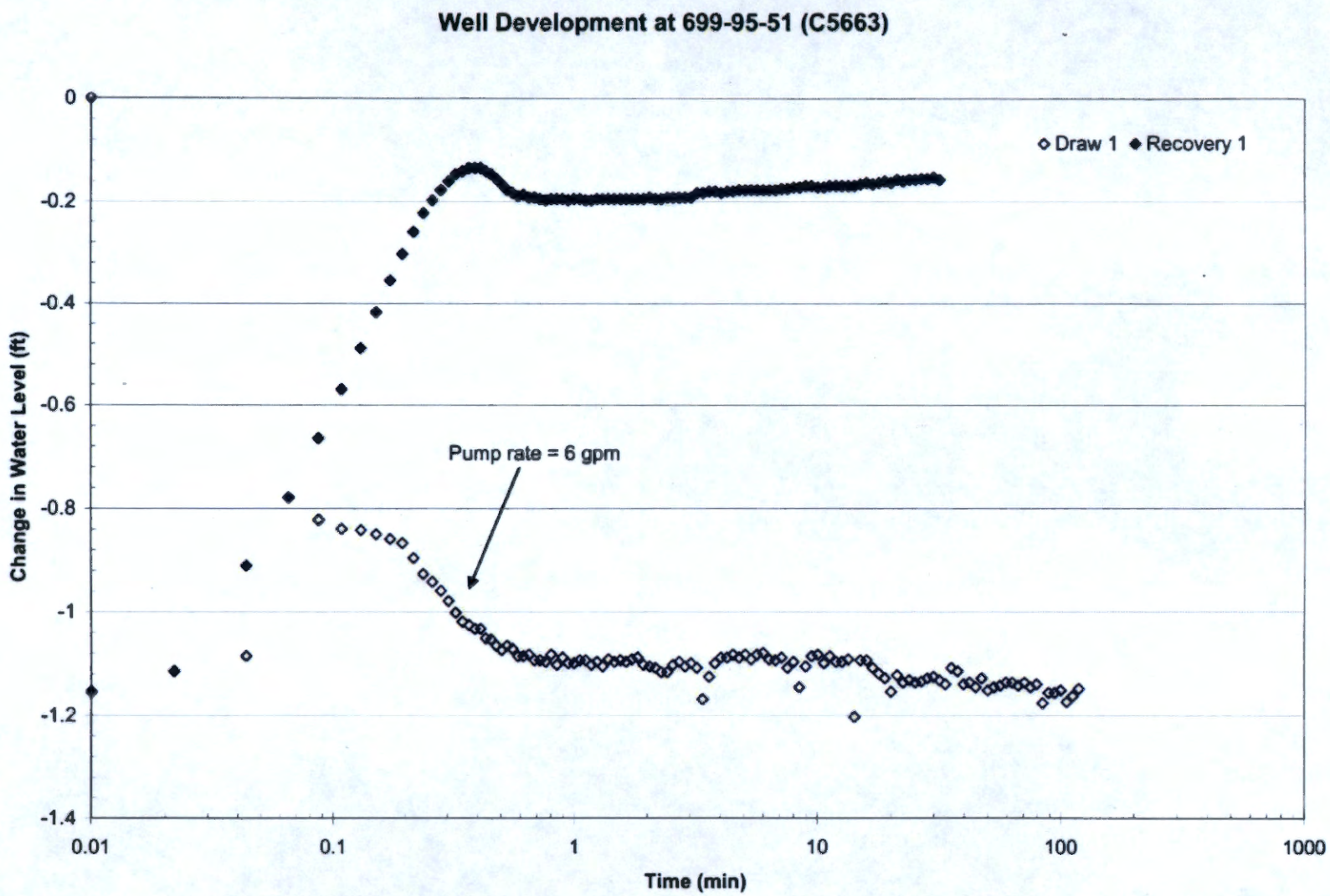

Well Development at 699-97-41 (C5657)
Draw 1
Recovery 1
Pump rate = 30 gpm
Change in Water Level (ft)
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
0.01
0.1
1
10
100
1000
Time (min)

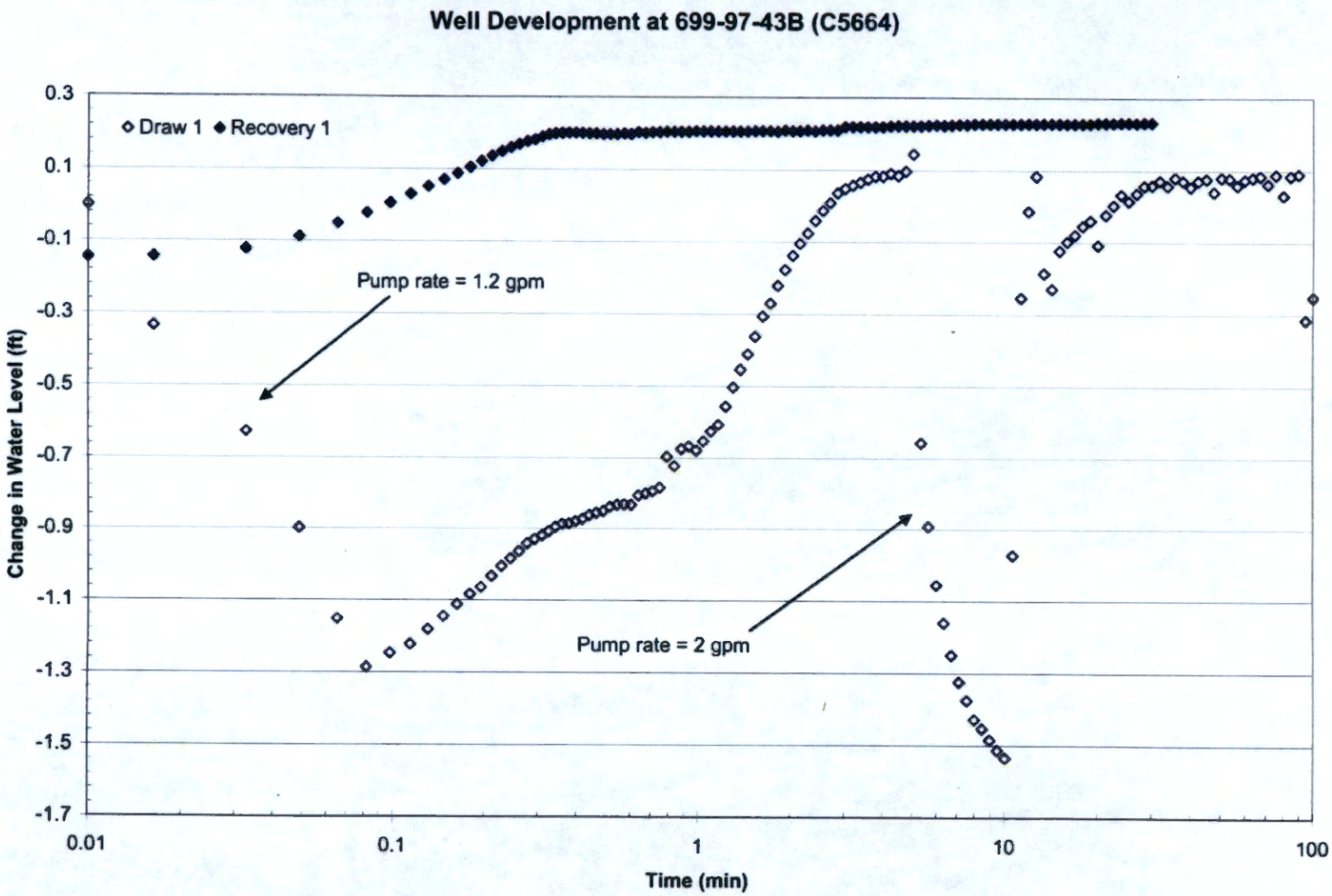

Well Development at 699-98-46 (C5658)
Draw 1
Recovery 1
Pump rate = 2.5 gpm
Change in Water Level (ft)
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
-1.6
0.01
0.1
1
10
100
Time (min)

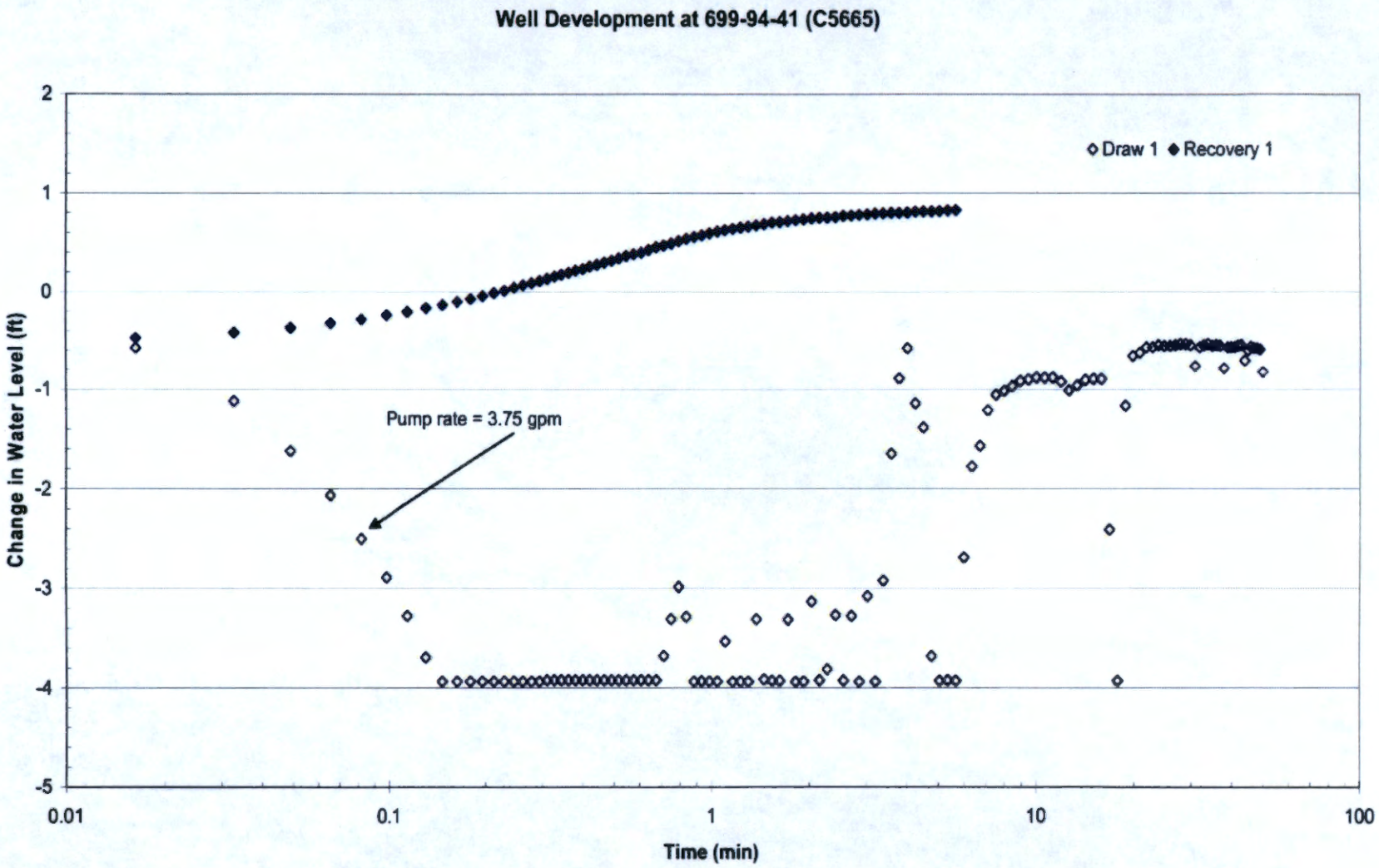

Well Development at 699-95-45 (C5660)
Draw 1
Recovery 1
Pump rate = 7.5 gpm
Change in Water Level (ft)
1
0
-1
-2
-3
-4
-5
0.01
0.1
1
10
100
Time (min)

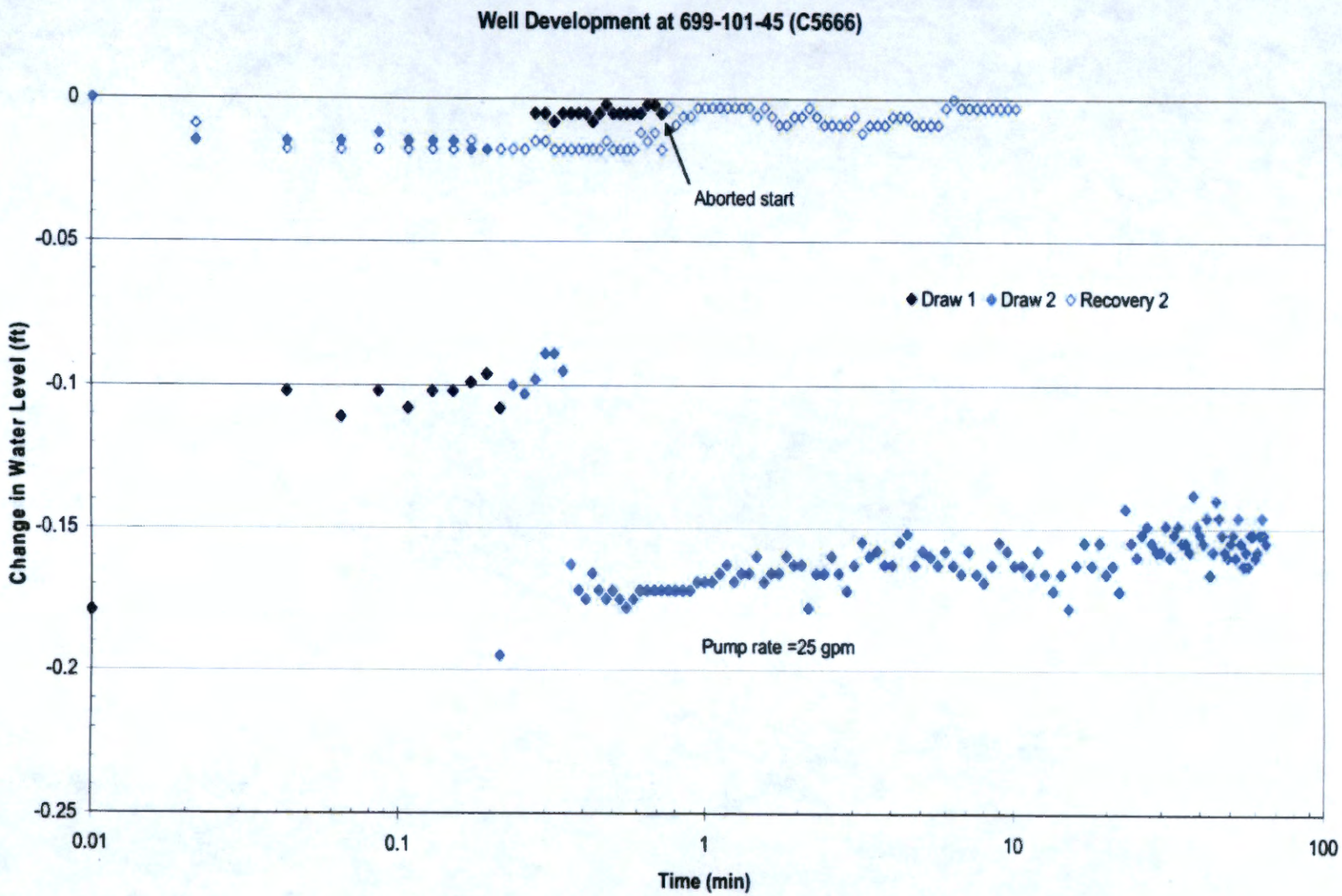

Well Development at 699-94-43 (C5661)
Draw 1
Recovery 1
Pump rate = 3.25 gpm
Change in Water Level (ft)
0
-1
-2
-3
-4
-5
-6
-7
-8
-9
0.01
0.1
1
10
100
1000
Time (min)

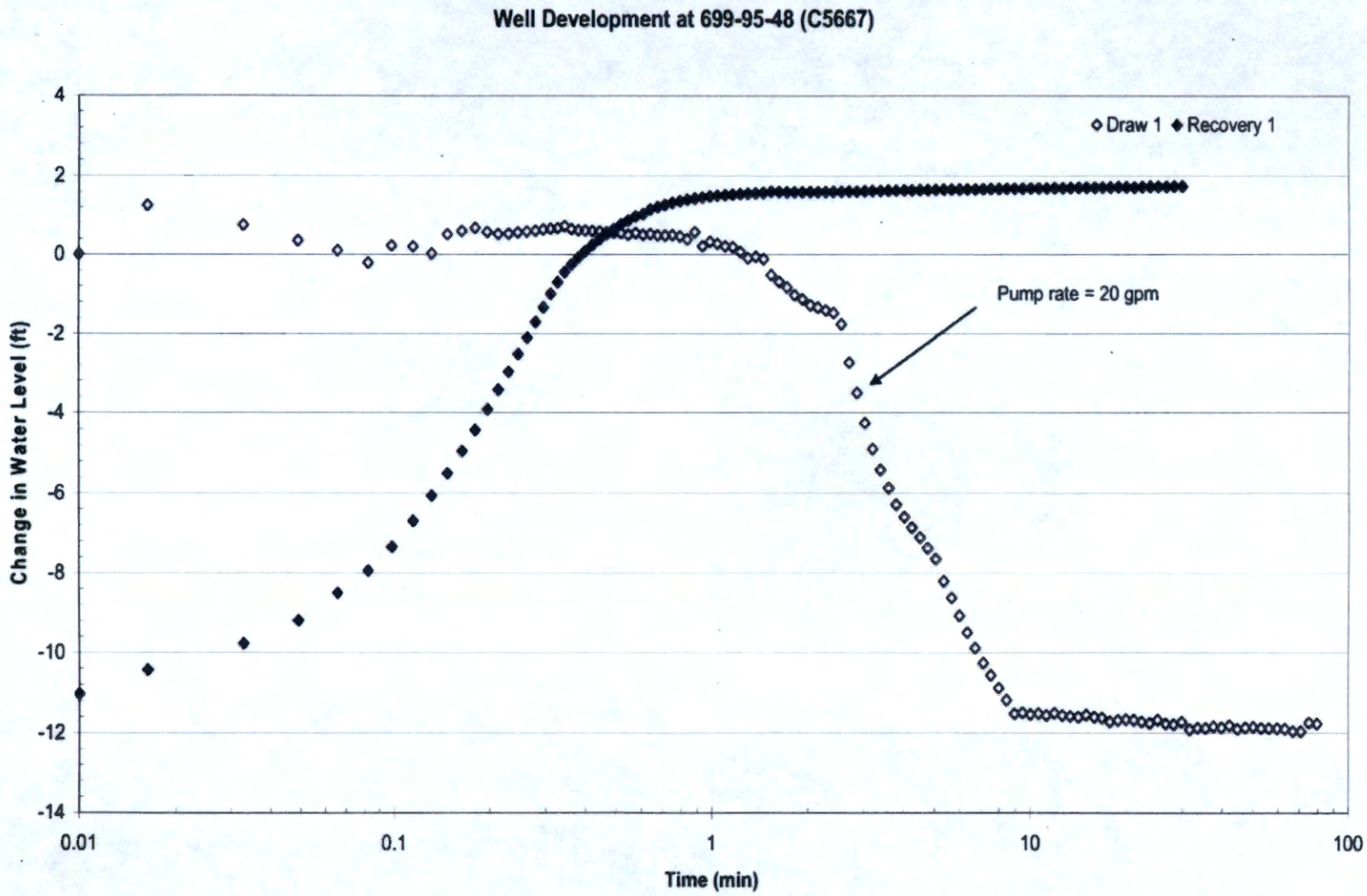

Well Development at 699-97-48B (C5662)
Draw 1
Recovery 1
Pump rate = 25 gpm
Change in Water Level (ft)
Time (min)
1
0
-1
-2
-3
-4
-5
0.01
0.1
1
10
100
1000
10000

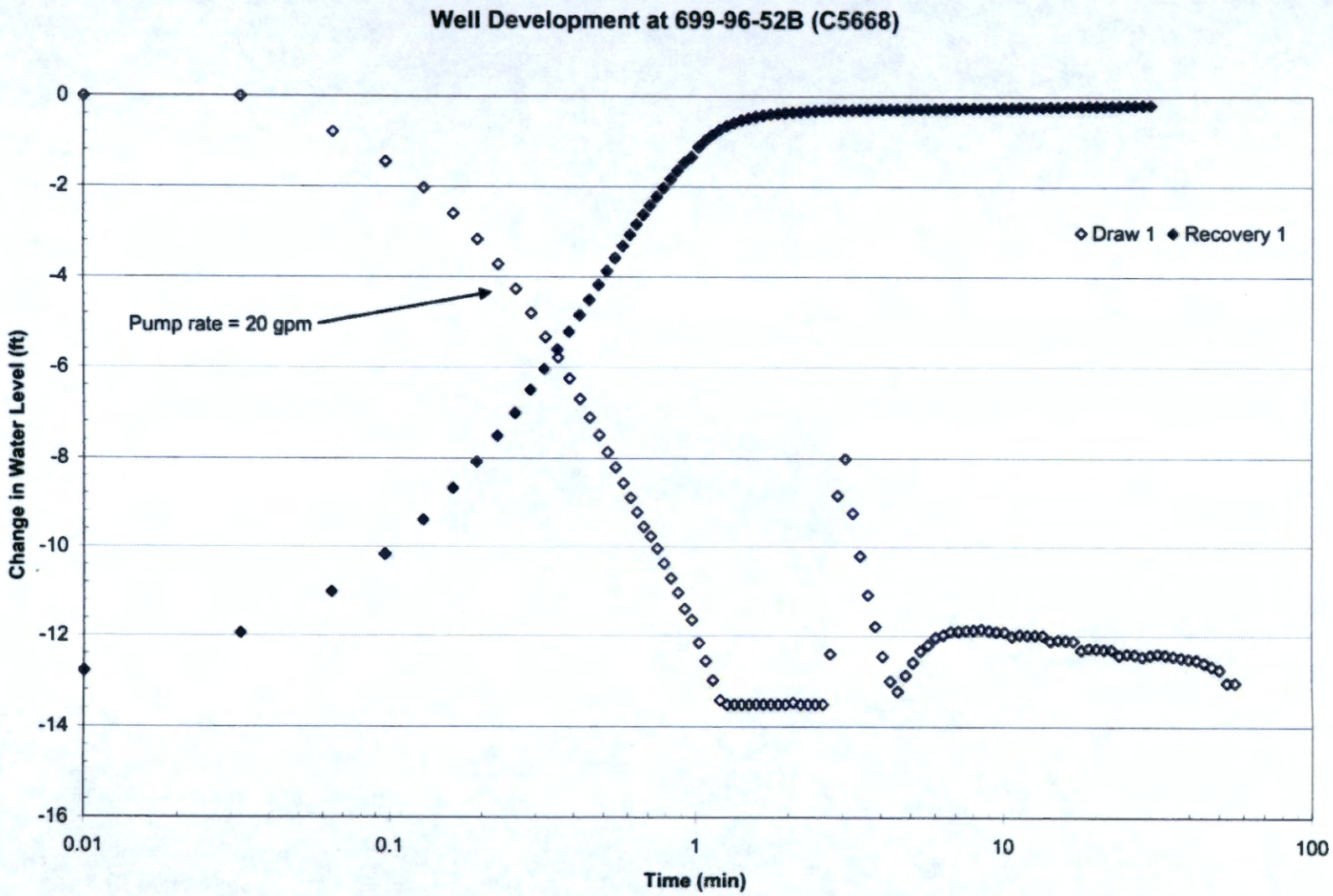

Well Development at 699-95-51 (C5663)
Draw 1
Recovery 1
Pump rate = 6 gpm
Change in Water Level (ft)
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
0.01
0.1
1
10
100
1000
Time (min)

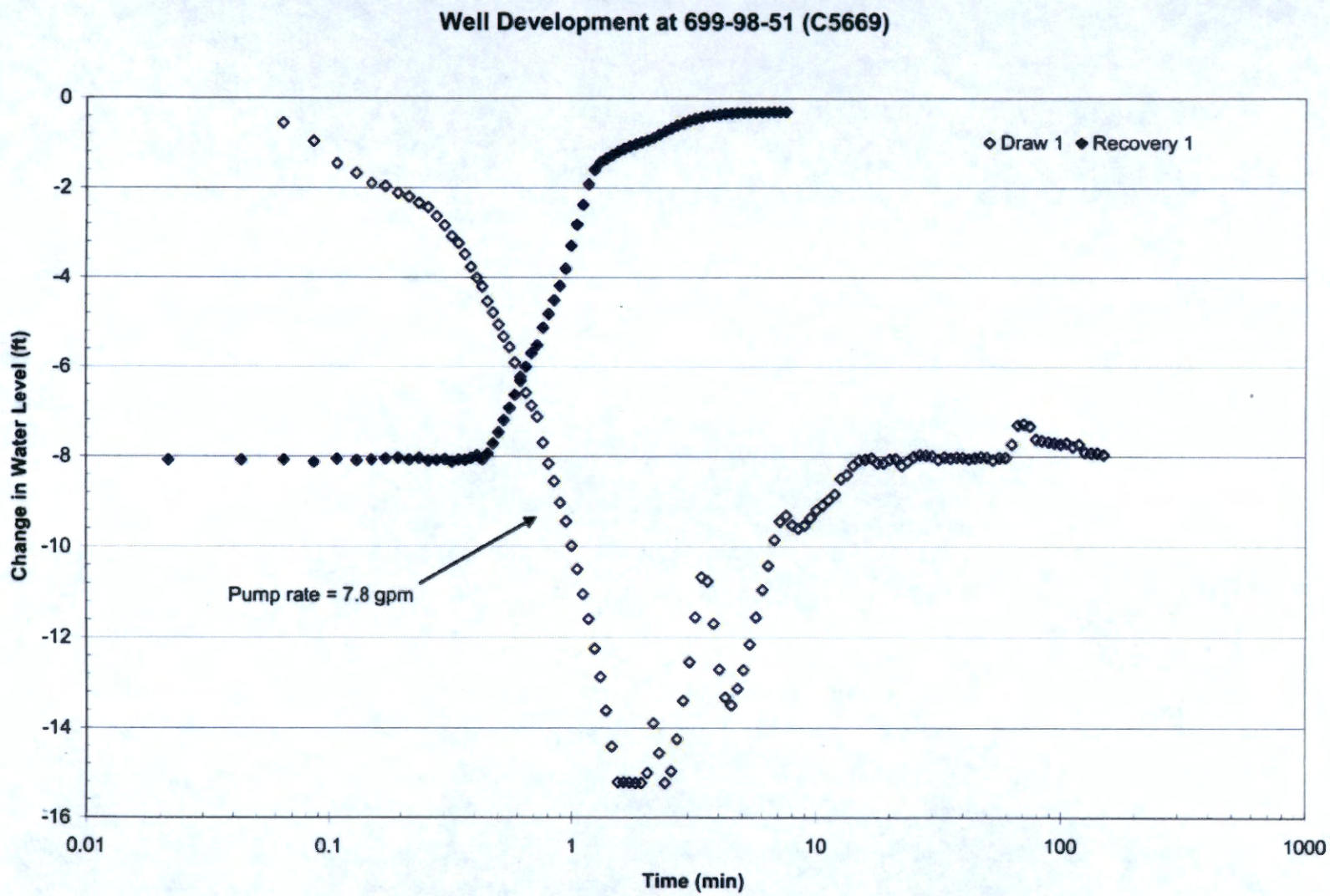

Well Development at 699-97-43B (C5664)
Draw 1
Recovery 1
Pump rate = 1.2 gpm
Pump rate = 2 gpm
Change in Water Level (ft)
0.3
0.1
-0.1
-0.3
-0.5
-0.7
-0.9
-1.1
-1.3
-1.5
-1.7
0.01
0.1
1
10
100
Time (min)

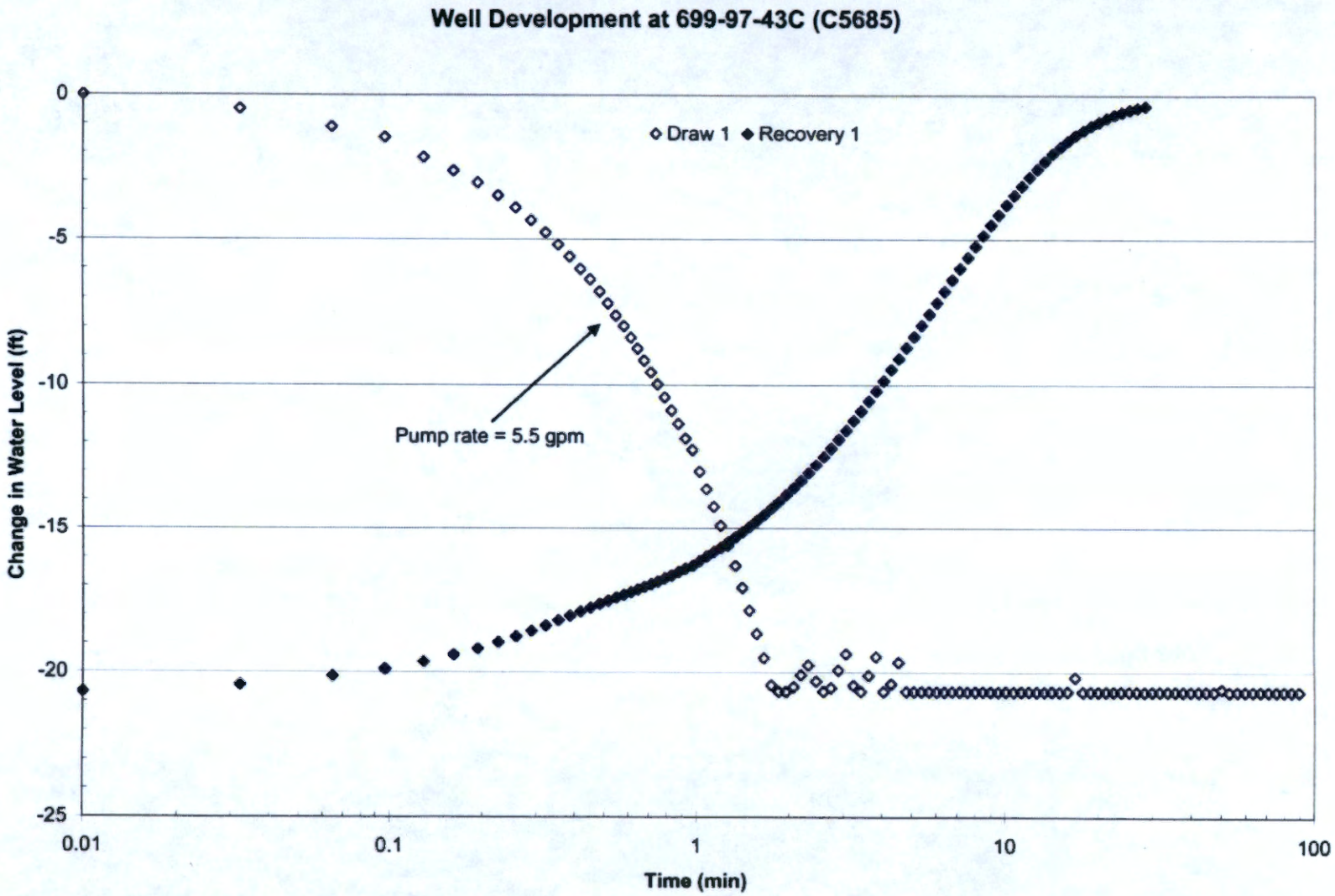

Well Development at 699-94-41 (C5665)
Draw 1
Recovery 1
Pump rate = 3.75 gpm
Change in Water Level (ft)
Time (min)
2
1
0
-1
-2
-3
-4
-5
0.01
0.1
1
10
100

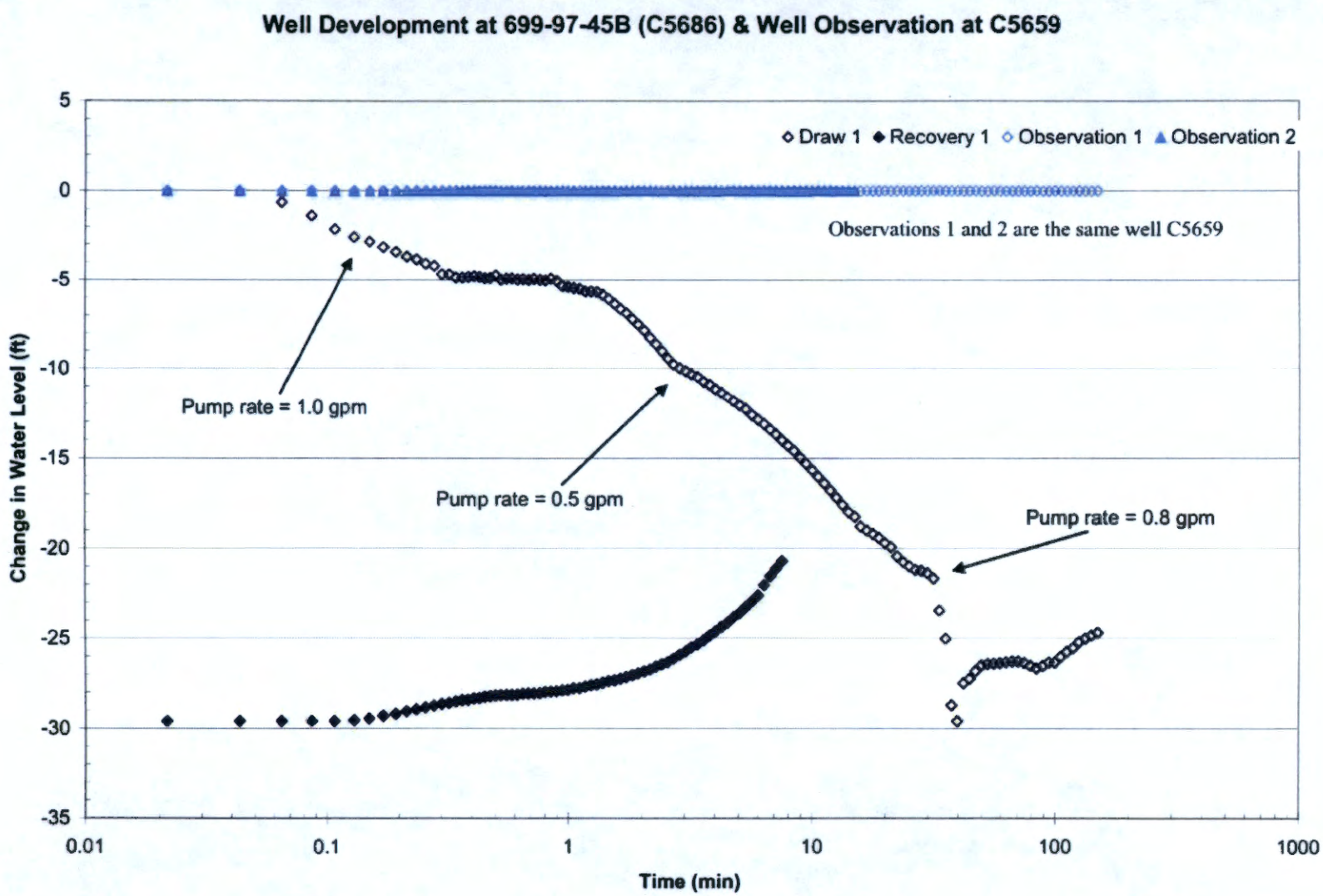

Well Development at 699-101-45 (C5666)
Change in Water Level (ft)
0
-0.05
-0.1
-0.15
-0.2
-0.25
0.01
0.1
1
10
100
Time (min)
Aborted start
Draw 1
Draw 2
Recovery 2
Pump rate =25 gpm

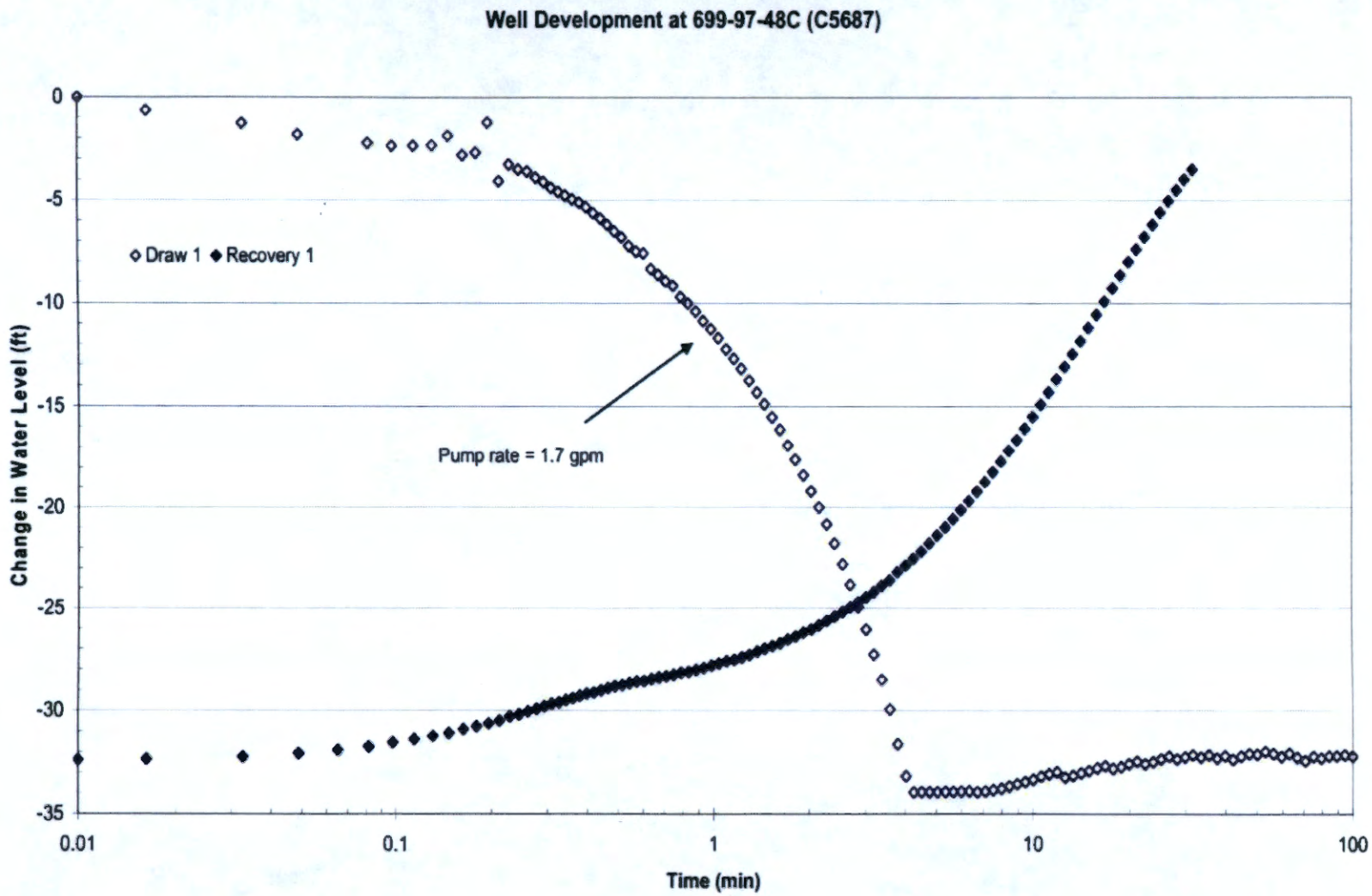

Well Development at 699-95-48 (C5667)
Draw 1
Recovery 1
Pump rate = 20 gpm
Change in Water Level (ft)
4
2
0
-2
-4
-6
-8
-10
-12
-14
0.01
0.1
1
10
100
Time (min)


Well Development at 699-96-52B (C5668)
Change in Water Level (ft)
0
-2
-4
-6
-8
-10
-12
-14
-16
0.01
0.1
1
10
100
Time (min)
Draw 1
Recovery 1
Pump rate = 20 gpm


Well Development at 699-98-51 (C5669)
Draw 1
Recovery 1
Pump rate = 7.8 gpm
Change in Water Level (ft)
0
-2
-4
-6
-8
-10
-12
-14
-16
0.01
0.1
1
10
100
1000
Time (min)


Well Development at 699-97-43C (C5685)
Draw 1
Recovery 1
Pump rate = 5.5 gpm
Change in Water Level (ft)
0
-5
-10
-15
-20
-25
0.01
0.1
1
10
100
Time (min)


Well Development at 699-97-45B (C5686) & Well Observation at C5659
Draw 1
Recovery 1
Observation 1
Observation 2
Observations 1 and 2 are the same well C5659
Pump rate = 1.0 gpm
Pump rate = 0.5 gpm
Pump rate = 0.8 gpm
Change in Water Level (ft)
5
0
-5
-10
-15
-20
-25
-30
-35
0.01
0.1
1
10
100
1000
Time (min)


Well Development at 699-97-48C (C5687)
Draw 1
Recovery 1
Pump rate = 1.7 gpm
Change in Water Level (ft)
0
-5
-10
-15
-20
-25
-30
-35
0.01
0.1
1
10
100
Time (min)

APPENDIX B

ANALYTICAL RESULTS FOR NEW WELLS AND AQUIFER TUBES

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Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-99-44	B1RB89	2/11/08	Y	Antimony	32	µg/L	U
699-99-44	B1RB90	2/11/08	N	Antimony	32	µg/L	U
699-99-44	B1RB89	2/11/08	Y	Barium	45.5	µg/L	
699-99-44	B1RB90	2/11/08	N	Barium	46.9	µg/L	
699-99-44	B1RB89	2/11/08	Y	Beryllium	4	µg/L	U
699-99-44	B1RB90	2/11/08	N	Beryllium	4	µg/L	U
699-99-44	B1RB89	2/11/08	Y	Cadmium	4	µg/L	U
699-99-44	B1RB90	2/11/08	N	Cadmium	4	µg/L	U
699-99-44	B1RB90	2/11/08	N	Calcium	53,400	µg/L	
699-99-44	B1RB89	2/11/08	Y	Calcium	53,300	µg/L	
699-99-44	B1RB90	2/11/08	N	Chloride	11,900	µg/L	D
699-99-44	B1RB89	2/11/08	Y	Chromium	30.1	µg/L	
699-99-44	B1RB90	2/11/08	N	Chromium	32.9	µg/L	
699-99-44	B1RB89	2/11/08	Y	Cobalt	4	µg/L	U
699-99-44	B1RB90	2/11/08	N	Cobalt	4	µg/L	U
699-99-44	B1RB90	2/11/08	N	Copper	4	µg/L	U
699-99-44	B1RB89	2/11/08	Y	Copper	4	µg/L	U
699-99-44	B1RB90	2/11/08	N	Fluoride	113	µg/L	BD
699-99-44	B1RB90	2/11/08	N	Gross alpha	2	pCi/L	U
699-99-44	B1RB90	2/11/08	N	Gross beta	5.9	pCi/L	
699-99-44	B1RBC1	2/11/08	N	Hexavalent chromium	44.4	µg/L	
699-99-44	B1RB89	2/11/08	Y	Iron	9	µg/L	U
699-99-44	B1RB90	2/11/08	N	Iron	34.4	µg/L	
699-99-44	B1RB89	2/11/08	Y	Magnesium	10,300	µg/L	
699-99-44	B1RB90	2/11/08	N	Magnesium	10,400	µg/L	
699-99-44	B1RB90	2/11/08	N	Manganese	11.1	µg/L	
699-99-44	B1RB89	2/11/08	Y	Manganese	9.7	µg/L	
699-99-44	B1RB90	2/11/08	N	Nickel	4	µg/L	U
699-99-44	B1RB89	2/11/08	Y	Nickel	4	µg/L	U
699-99-44	B1RB90	2/11/08	N	Nitrate	25,500	µg/L	D
699-99-44	B1RB90	2/11/08	N	Nitrite	65.7	µg/L	DU
699-99-44	B1RB91	2/11/08	N	pH measurement	7.55	unit-less	
699-99-44	B1RB90	2/11/08	N	Potassium	4,540	µg/L	
699-99-44	B1RB89	2/11/08	Y	Potassium	4,500	µg/L	
699-99-44	B1RB89	2/11/08	Y	Silver	5	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-99-44	B1RB90	2/11/08	N	Silver	5	µg/L	U
699-99-44	B1RB89	2/11/08	Y	Sodium	10,800	µg/L	
699-99-44	B1RB90	2/11/08	N	Sodium	10,900	µg/L	
699-99-44	B1RB91	2/11/08	N	Specific conductance	415	µS/cm	
699-99-44	B1RB89	2/11/08	Y	Strontium	224	µg/L	
699-99-44	B1RB90	2/11/08	N	Strontium	226	µg/L	
699-99-44	B1RB90	2/11/08	N	Sulfate	61,100	µg/L	D
699-99-44	B1RB91	2/11/08	N	Temperature	16.6	°C	
699-99-44	B1RB90	2/11/08	N	Tritium	1,300	pCi/L	
699-99-44	B1RB91	2/11/08	N	Turbidity	2.87	NTU	
699-99-44	B1RB90	2/11/08	N	Vanadium	12.7	µg/L	
699-99-44	B1RB89	2/11/08	Y	Vanadium	10.3	µg/L	C
699-99-44	B1RB89	2/11/08	Y	Zinc	4	µg/L	U
699-99-44	B1RB90	2/11/08	N	Zinc	5.4	µg/L	
699-99-42B	B1RB87	2/12/08	N	Antimony	32	µg/L	U
699-99-42B	B1RB86	2/12/08	Y	Antimony	32.6	µg/L	
699-99-42B	B1RB87	2/12/08	N	Barium	25.6	µg/L	
699-99-42B	B1RB86	2/12/08	Y	Barium	23.9	µg/L	
699-99-42B	B1RB87	2/12/08	N	Beryllium	4	µg/L	U
699-99-42B	B1RB86	2/12/08	Y	Beryllium	4	µg/L	U
699-99-42B	B1RB87	2/12/08	N	Cadmium	4	µg/L	U
699-99-42B	B1RB86	2/12/08	Y	Cadmium	4	µg/L	U
699-99-42B	B1RB86	2/12/08	Y	Calcium	37,400	µg/L	
699-99-42B	B1RB87	2/12/08	N	Calcium	39,200	µg/L	
699-99-42B	B1RB87	2/12/08	N	Chloride	7,760	µg/L	D
699-99-42B	B1RB86	2/12/08	Y	Chromium	30.8	µg/L	
699-99-42B	B1RB87	2/12/08	N	Chromium	25.9	µg/L	
699-99-42B	B1RB87	2/12/08	N	Cobalt	4	µg/L	U
699-99-42B	B1RB86	2/12/08	Y	Cobalt	4	µg/L	U
699-99-42B	B1RB86	2/12/08	Y	Copper	4.6	µg/L	C
699-99-42B	B1RB87	2/12/08	N	Copper	4	µg/L	U
699-99-42B	B1RB87	2/12/08	N	Fluoride	109	µg/L	BD
699-99-42B	B1RB87	2/12/08	N	Gross alpha	-0.22	pCi/L	U
699-99-42B	B1RB87	2/12/08	N	Gross beta	5.3	pCi/L	
699-99-42B	B1RBC0	2/12/08	N	Hexavalent chromium	40.2	µg/L	

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-99-42B	B1RB86	2/12/08	Y	Iron	9	µg/L	U
699-99-42B	B1RB87	2/12/08	N	Iron	78.7	µg/L	
699-99-42B	B1RB87	2/12/08	N	Magnesium	8,270	µg/L	
699-99-42B	B1RB86	2/12/08	Y	Magnesium	7,930	µg/L	
699-99-42B	B1RB86	2/12/08	Y	Manganese	4	µg/L	U
699-99-42B	B1RB87	2/12/08	N	Manganese	4	µg/L	U
699-99-42B	B1RB87	2/12/08	N	Nickel	4	µg/L	U
699-99-42B	B1RB86	2/12/08	Y	Nickel	4	µg/L	U
699-99-42B	B1RB87	2/12/08	N	Nitrate	16,200	µg/L	D
699-99-42B	B1RB87	2/12/08	N	Nitrite	65.7	µg/L	DU
699-99-42B	B1RB88	2/12/08	N	pH measurement	7.35	unit-less	
699-99-42B	B1RB86	2/12/08	Y	Potassium	3,710	µg/L	
699-99-42B	B1RB87	2/12/08	N	Potassium	3,790	µg/L	
699-99-42B	B1RB87	2/12/08	N	Silver	5	µg/L	U
699-99-42B	B1RB86	2/12/08	Y	Silver	5	µg/L	U
699-99-42B	B1RB87	2/12/08	N	Sodium	10,300	µg/L	
699-99-42B	B1RB86	2/12/08	Y	Sodium	9,960	µg/L	
699-99-42B	B1RB88	2/12/08	N	Specific conductance	315	µS/cm	
699-99-42B	B1RB87	2/12/08	N	Strontium	169	µg/L	
699-99-42B	B1RB86	2/12/08	Y	Strontium	163	µg/L	
699-99-42B	B1RB87	2/12/08	N	Sulfate	38,900	µg/L	D
699-99-42B	B1RB88	2/12/08	N	Temperature	15.2	°C	
699-99-42B	B1RB87	2/12/08	N	Tritium	1,200	pCi/L	
699-99-42B	B1RB88	2/12/08	N	Turbidity	4.95	NTU	
699-99-42B	B1RB86	2/12/08	Y	Vanadium	7	µg/L	U
699-99-42B	B1RB87	2/12/08	N	Vanadium	7	µg/L	
699-99-42B	B1RB86	2/12/08	Y	Zinc	4	µg/L	U
699-99-42B	B1RB87	2/12/08	N	Zinc	4	µg/L	U
699-99-41	B1RB84	2/13/08	N	Antimony	32	µg/L	U
699-99-41	B1RB83	2/13/08	Y	Antimony	32	µg/L	U
699-99-41	B1RB83	2/13/08	Y	Barium	38.2	µg/L	
699-99-41	B1RB84	2/13/08	N	Barium	38.3	µg/L	
699-99-41	B1RB84	2/13/08	N	Beryllium	4	µg/L	U
699-99-41	B1RB83	2/13/08	Y	Beryllium	4	µg/L	U
699-99-41	B1RB83	2/13/08	Y	Cadmium	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-99-41	B1RB84	2/13/08	N	Cadmium	4	µg/L	U
699-99-41	B1RB84	2/13/08	N	Calcium	51,800	µg/L	
699-99-41	B1RB83	2/13/08	Y	Calcium	52,200	µg/L	
699-99-41	B1RB84	2/13/08	N	Chloride	15,800	µg/L	D
699-99-41	B1RB83	2/13/08	Y	Chromium	60.9	µg/L	
699-99-41	B1RB84	2/13/08	N	Chromium	55	µg/L	
699-99-41	B1RB84	2/13/08	N	Cobalt	4	µg/L	U
699-99-41	B1RB83	2/13/08	Y	Cobalt	4	µg/L	U
699-99-41	B1RB83	2/13/08	Y	Copper	4	µg/L	U
699-99-41	B1RB84	2/13/08	N	Copper	4	µg/L	U
699-99-41	B1RB84	2/13/08	N	Fluoride	152	µg/L	BD
699-99-41	B1RB84	2/13/08	N	Gross alpha	1.5	pCi/L	U
699-99-41	B1RB84	2/13/08	N	Gross beta	10	pCi/L	
699-99-41	B1RBB9	2/13/08	N	Hexavalent chromium	70.8	µg/L	
699-99-41	B1RB83	2/13/08	Y	Iron	13.3	µg/L	
699-99-41	B1RB84	2/13/08	N	Iron	21.8	µg/L	
699-99-41	B1RB84	2/13/08	N	Magnesium	11,500	µg/L	
699-99-41	B1RB83	2/13/08	Y	Magnesium	11,500	µg/L	
699-99-41	B1RB83	2/13/08	Y	Manganese	5	µg/L	
699-99-41	B1RB84	2/13/08	N	Manganese	4	µg/L	U
699-99-41	B1RB83	2/13/08	Y	Nickel	4	µg/L	U
699-99-41	B1RB84	2/13/08	N	Nickel	4	µg/L	U
699-99-41	B1RB84	2/13/08	N	Nitrate	26,600	µg/L	D
699-99-41	B1RB84	2/13/08	N	Nitrite	65.7	µg/L	DU
699-99-41	B1RB85	2/13/08	N	pH measurement	7.4	unit-less	
699-99-41	B1RB83	2/13/08	Y	Potassium	5,280	µg/L	
699-99-41	B1RB84	2/13/08	N	Potassium	5,210	µg/L	
699-99-41	B1RB84	2/13/08	N	Silver	5	µg/L	U
699-99-41	B1RB83	2/13/08	Y	Silver	5	µg/L	U
699-99-41	B1RB83	2/13/08	Y	Sodium	16,800	µg/L	
699-99-41	B1RB84	2/13/08	N	Sodium	16,800	µg/L	
699-99-41	B1RB85	2/13/08	N	Specific conductance	436	µS/cm	
699-99-41	B1RB84	2/13/08	N	Strontium	269	µg/L	
699-99-41	B1RB83	2/13/08	Y	Strontium	271	µg/L	
699-99-41	B1RB84	2/13/08	N	Sulfate	54,800	µg/L	D

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-99-41	B1RB85	2/13/08	N	Temperature	16.5	°C	
699-99-41	B1RB84	2/13/08	N	Tritium	3,700	pCi/L	
699-99-41	B1RB85	2/13/08	N	Turbidity	1.06	NTU	
699-99-41	B1RB83	2/13/08	Y	Vanadium	7	µg/L	U
699-99-41	B1RB84	2/13/08	N	Vanadium	8.3	µg/L	
699-99-41	B1RB84	2/13/08	N	Zinc	11	µg/L	
699-99-41	B1RB83	2/13/08	Y	Zinc	5.7	µg/L	
699-98-51	B1RB81	2/11/08	N	Antimony	32	µg/L	U
699-98-51	B1RB80	2/11/08	Y	Antimony	32	µg/L	U
699-98-51	B1RB81	2/11/08	N	Barium	29.8	µg/L	
699-98-51	B1RB80	2/11/08	Y	Barium	26.1	µg/L	
699-98-51	B1RB81	2/11/08	N	Beryllium	4	µg/L	U
699-98-51	B1RB80	2/11/08	Y	Beryllium	4	µg/L	U
699-98-51	B1RB81	2/11/08	N	Cadmium	4	µg/L	U
699-98-51	B1RB80	2/11/08	Y	Cadmium	4	µg/L	U
699-98-51	B1RB80	2/11/08	Y	Calcium	27,000	µg/L	
699-98-51	B1RB81	2/11/08	N	Calcium	28,400	µg/L	
699-98-51	B1RB81	2/11/08	N	Chloride	1,910	µg/L	D
699-98-51	B1RB80	2/11/08	Y	Chromium	4.3	µg/L	
699-98-51	B1RB81	2/11/08	N	Chromium	4	µg/L	U
699-98-51	B1RB80	2/11/08	Y	Cobalt	4	µg/L	U
699-98-51	B1RB81	2/11/08	N	Cobalt	4	µg/L	U
699-98-51	B1RB80	2/11/08	Y	Copper	4	µg/L	U
699-98-51	B1RB81	2/11/08	N	Copper	4	µg/L	U
699-98-51	B1RB81	2/11/08	N	Fluoride	104	µg/L	BD
699-98-51	B1RB81	2/11/08	N	Gross alpha	1.4	pCi/L	
699-98-51	B1RB81	2/11/08	N	Gross beta	0.87	pCi/L	U
699-98-51	B1RBB8	2/11/08	N	Hexavalent chromium	2	µg/L	U
699-98-51	B1RB80	2/11/08	Y	Iron	9	µg/L	U
699-98-51	B1RB81	2/11/08	N	Iron	101	µg/L	
699-98-51	B1RB81	2/11/08	N	Magnesium	6,780	µg/L	
699-98-51	B1RB80	2/11/08	Y	Magnesium	6,450	µg/L	
699-98-51	B1RB81	2/11/08	N	Manganese	6.2	µg/L	
699-98-51	B1RB80	2/11/08	Y	Manganese	4	µg/L	U
699-98-51	B1RB81	2/11/08	N	Nickel	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-98-51	B1RB80	2/11/08	Y	Nickel	5.2	µg/L	
699-98-51	B1RB81	2/11/08	N	Nitrate	1,940	µg/L	D
699-98-51	B1RB81	2/11/08	N	Nitrite	65.7	µg/L	DU
699-98-51	B1RB82	2/11/08	N	pH measurement	6.99	unit-less	
699-98-51	B1RB81	2/11/08	N	Potassium	1,530	µg/L	
699-98-51	B1RB80	2/11/08	Y	Potassium	1,460	µg/L	
699-98-51	B1RB81	2/11/08	N	Silver	5	µg/L	U
699-98-51	B1RB80	2/11/08	Y	Silver	5	µg/L	U
699-98-51	B1RB81	2/11/08	N	Sodium	5,040	µg/L	
699-98-51	B1RB80	2/11/08	Y	Sodium	4,760	µg/L	
699-98-51	B1RB82	2/11/08	N	Specific conductance	220	µS/cm	
699-98-51	B1RB81	2/11/08	N	Strontium	117	µg/L	
699-98-51	B1RB80	2/11/08	Y	Strontium	111	µg/L	
699-98-51	B1RB81	2/11/08	N	Sulfate	15,400	µg/L	D
699-98-51	B1RB82	2/11/08	N	Temperature	13.6	°C	
699-98-51	B1RB81	2/11/08	N	Tritium	360	pCi/L	
699-98-51	B1RB82	2/11/08	N	Turbidity	2.85	NTU	
699-98-51	B1RB80	2/11/08	Y	Vanadium	7	µg/L	U
699-98-51	B1RB81	2/11/08	N	Vanadium	7	µg/L	U
699-98-51	B1RB80	2/11/08	Y	Zinc	4	µg/L	U
699-98-51	B1RB81	2/11/08	N	Zinc	4	µg/L	U
699-98-46	B1RB77	2/12/08	Y	Antimony	32	µg/L	U
699-98-46	B1RB78	2/12/08	N	Antimony	32	µg/L	U
699-98-46	B1RB77	2/12/08	Y	Barium	72.8	µg/L	
699-98-46	B1RB78	2/12/08	N	Barium	77.3	µg/L	
699-98-46	B1RB77	2/12/08	Y	Beryllium	4	µg/L	U
699-98-46	B1RB78	2/12/08	N	Beryllium	4	µg/L	U
699-98-46	B1RB77	2/12/08	Y	Cadmium	4	µg/L	U
699-98-46	B1RB78	2/12/08	N	Cadmium	4	µg/L	U
699-98-46	B1RB77	2/12/08	Y	Calcium	56,800	µg/L	
699-98-46	B1RB78	2/12/08	N	Calcium	57,800	µg/L	
699-98-46	B1RB78	2/12/08	N	Chloride	15,500	µg/L	D
699-98-46	B1RB77	2/12/08	Y	Chromium	53.1	µg/L	
699-98-46	B1RB78	2/12/08	N	Chromium	46.2	µg/L	
699-98-46	B1RB78	2/12/08	N	Cobalt	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-98-46	B1RB77	2/12/08	Y	Cobalt	4	µg/L	U
699-98-46	B1RB77	2/12/08	Y	Copper	4	µg/L	U
699-98-46	B1RB78	2/12/08	N	Copper	4	µg/L	U
699-98-46	B1RB78	2/12/08	N	Fluoride	147	µg/L	BD
699-98-46	B1RB78	2/12/08	N	Gross alpha	0.84	pCi/L	U
699-98-46	B1RB78	2/12/08	N	Gross beta	7.1	pCi/L	
699-98-46	B1RBB7	2/12/08	N	Hexavalent chromium	71.9	µg/L	
699-98-46	B1RB78	2/12/08	N	Iron	312	µg/L	
699-98-46	B1RB77	2/12/08	Y	Iron	9	µg/L	U
699-98-46	B1RB78	2/12/08	N	Magnesium	12,100	µg/L	
699-98-46	B1RB77	2/12/08	Y	Magnesium	12,000	µg/L	
699-98-46	B1RB78	2/12/08	N	Manganese	11.1	µg/L	
699-98-46	B1RB77	2/12/08	Y	Manganese	4	µg/L	U
699-98-46	B1RB78	2/12/08	N	Nickel	4	µg/L	U
699-98-46	B1RB77	2/12/08	Y	Nickel	4	µg/L	U
699-98-46	B1RB78	2/12/08	N	Nitrate	27,800	µg/L	D
699-98-46	B1RB78	2/12/08	N	Nitrite	65.7	µg/L	DU
699-98-46	B1RB79	2/12/08	N	pH measurement	7.7	unit-less	
699-98-46	B1RB77	2/12/08	Y	Potassium	4,730	µg/L	
699-98-46	B1RB78	2/12/08	N	Potassium	4,760	µg/L	
699-98-46	B1RB77	2/12/08	Y	Silver	5	µg/L	U
699-98-46	B1RB78	2/12/08	N	Silver	5	µg/L	U
699-98-46	B1RB77	2/12/08	Y	Sodium	17,400	µg/L	
699-98-46	B1RB78	2/12/08	N	Sodium	17,400	µg/L	
699-98-46	B1RB79	2/12/08	N	Specific conductance	471	µS/cm	
699-98-46	B1RB77	2/12/08	Y	Strontium	258	µg/L	
699-98-46	B1RB78	2/12/08	N	Strontium	260	µg/L	
699-98-46	B1RB78	2/12/08	N	Sulfate	70,400	µg/L	D
699-98-46	B1RB79	2/12/08	N	Temperature	16.7	°C	
699-98-46	B1RB78	2/12/08	N	Tritium	2,900	pCi/L	
699-98-46	B1RB79	2/12/08	N	Turbidity	10.2	NTU	
699-98-46	B1RB78	2/12/08	N	Vanadium	7	µg/L	U
699-98-46	B1RB77	2/12/08	Y	Vanadium	7	µg/L	U
699-98-46	B1RB77	2/12/08	Y	Zinc	4	µg/L	U
699-98-46	B1RB78	2/12/08	N	Zinc	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-98-43	B1RB74	2/12/08	Y	Antimony	32	µg/L	U
699-98-43	B1RB75	2/12/08	N	Antimony	32	µg/L	U
699-98-43	B1RB74	2/12/08	Y	Barium	43.7	µg/L	
699-98-43	B1RB75	2/12/08	N	Barium	44.2	µg/L	
699-98-43	B1RB74	2/12/08	Y	Beryllium	4	µg/L	U
699-98-43	B1RB75	2/12/08	N	Beryllium	4	µg/L	U
699-98-43	B1RB74	2/12/08	Y	Cadmium	4	µg/L	U
699-98-43	B1RB75	2/12/08	N	Cadmium	4	µg/L	U
699-98-43	B1RB74	2/12/08	Y	Calcium	48,700	µg/L	
699-98-43	B1RB75	2/12/08	N	Calcium	49,300	µg/L	
699-98-43	B1RB75	2/12/08	N	Chloride	13,800	µg/L	D
699-98-43	B1RB74	2/12/08	Y	Chromium	56.1	µg/L	
699-98-43	B1RB75	2/12/08	N	Chromium	52.6	µg/L	
699-98-43	B1RB74	2/12/08	Y	Cobalt	4	µg/L	U
699-98-43	B1RB75	2/12/08	N	Cobalt	4	µg/L	U
699-98-43	B1RB74	2/12/08	Y	Copper	4	µg/L	U
699-98-43	B1RB75	2/12/08	N	Copper	4	µg/L	U
699-98-43	B1RB75	2/12/08	N	Fluoride	127	µg/L	BD
699-98-43	B1RB75	2/12/08	N	Gross alpha	1.8	pCi/L	U
699-98-43	B1RB75	2/12/08	N	Gross beta	10	pCi/L	
699-98-43	B1RBB6	2/12/08	N	Hexavalent chromium	64	µg/L	
699-98-43	B1RB74	2/12/08	Y	Iron	12.6	µg/L	C
699-98-43	B1RB75	2/12/08	N	Iron	26.2	µg/L	
699-98-43	B1RB74	2/12/08	Y	Magnesium	10,500	µg/L	
699-98-43	B1RB75	2/12/08	N	Magnesium	10,500	µg/L	
699-98-43	B1RB74	2/12/08	Y	Manganese	5.5	µg/L	
699-98-43	B1RB75	2/12/08	N	Manganese	5.3	µg/L	
699-98-43	B1RB74	2/12/08	Y	Nickel	4	µg/L	U
699-98-43	B1RB75	2/12/08	N	Nickel	4	µg/L	U
699-98-43	B1RB75	2/12/08	N	Nitrate	21,300	µg/L	D
699-98-43	B1RB75	2/12/08	N	Nitrite	65.7	µg/L	DU
699-98-43	B1RB76	2/12/08	N	pH measurement	7.75	unit-less	
699-98-43	B1RB74	2/12/08	Y	Potassium	6,280	µg/L	
699-98-43	B1RB75	2/12/08	N	Potassium	6,360	µg/L	
699-98-43	B1RB74	2/12/08	Y	Silver	5	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-98-43	B1RB75	2/12/08	N	Silver	5	µg/L	U
699-98-43	B1RB74	2/12/08	Y	Sodium	16,900	µg/L	
699-98-43	B1RB75	2/12/08	N	Sodium	16,900	µg/L	
699-98-43	B1RB76	2/12/08	N	Specific conductance	417	µS/cm	
699-98-43	B1RB74	2/12/08	Y	Strontium	231	µg/L	
699-98-43	B1RB75	2/12/08	N	Strontium	231	µg/L	
699-98-43	B1RB75	2/12/08	N	Sulfate	59,500	µg/L	D
699-98-43	B1RB76	2/12/08	N	Temperature	14.4	°C	
699-98-43	B1RB75	2/12/08	N	Tritium	2,300	pCi/L	
699-98-43	B1RB76	2/12/08	N	Turbidity	4.69	NTU	
699-98-43	B1RB74	2/12/08	Y	Vanadium	7	µg/L	U
699-98-43	B1RB75	2/12/08	N	Vanadium	7	µg/L	U
699-98-43	B1RB74	2/12/08	Y	Zinc	4	µg/L	U
699-98-43	B1RB75	2/12/08	N	Zinc	4	µg/L	U
699-97-48C	B1RB72	2/12/08	N	Antimony	32	µg/L	U
699-97-48C	B1RB71	2/12/08	Y	Antimony	32	µg/L	U
699-97-48C	B1RB71	2/12/08	Y	Barium	92.5	µg/L	
699-97-48C	B1RB72	2/12/08	N	Barium	97.2	µg/L	
699-97-48C	B1RB72	2/12/08	N	Beryllium	4	µg/L	U
699-97-48C	B1RB71	2/12/08	Y	Beryllium	4	µg/L	U
699-97-48C	B1RB71	2/12/08	Y	Cadmium	4	µg/L	U
699-97-48C	B1RB72	2/12/08	N	Cadmium	4	µg/L	U
699-97-48C	B1RB72	2/12/08	N	Calcium	32,600	µg/L	
699-97-48C	B1RB71	2/12/08	Y	Calcium	31,300	µg/L	
699-97-48C	B1RB72	2/12/08	N	Chloride	8,480	µg/L	D
699-97-48C	B1RB71	2/12/08	Y	Chromium	10.7	µg/L	
699-97-48C	B1RB72	2/12/08	N	Chromium	11.5	µg/L	
699-97-48C	B1RB72	2/12/08	N	Cobalt	4	µg/L	U
699-97-48C	B1RB71	2/12/08	Y	Cobalt	5.9	µg/L	
699-97-48C	B1RB71	2/12/08	Y	Copper	4.5	µg/L	C
699-97-48C	B1RB72	2/12/08	N	Copper	6.4	µg/L	
699-97-48C	B1RB72	2/12/08	N	Fluoride	129	µg/L	BD
699-97-48C	B1RB72	2/12/08	N	Gross alpha	2	pCi/L	
699-97-48C	B1RB72	2/12/08	N	Gross beta	9.2	pCi/L	
699-97-48C	B1RBB5	2/12/08	N	Hexavalent chromium	13.8	µg/L	

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-97-48C	B1RB71	2/12/08	Y	Iron	10.1	µg/L	C
699-97-48C	B1RB72	2/12/08	N	Iron	43.8	µg/L	
699-97-48C	B1RB72	2/12/08	N	Magnesium	10,400	µg/L	
699-97-48C	B1RB71	2/12/08	Y	Magnesium	10,100	µg/L	
699-97-48C	B1RB71	2/12/08	Y	Manganese	306	µg/L	
699-97-48C	B1RB72	2/12/08	N	Manganese	319	µg/L	
699-97-48C	B1RB72	2/12/08	N	Nickel	4	µg/L	U
699-97-48C	B1RB71	2/12/08	Y	Nickel	4	µg/L	U
699-97-48C	B1RB72	2/12/08	N	Nitrate	2,880	µg/L	D
699-97-48C	B1RB72	2/12/08	N	Nitrite	153	µg/L	BD
699-97-48C	B1RB73	2/12/08	N	pH measurement	7.9	unit-less	
699-97-48C	B1RB72	2/12/08	N	Potassium	5,000	µg/L	
699-97-48C	B1RB71	2/12/08	Y	Potassium	4,870	µg/L	
699-97-48C	B1RB71	2/12/08	Y	Silver	5	µg/L	U
699-97-48C	B1RB72	2/12/08	N	Silver	5	µg/L	U
699-97-48C	B1RB72	2/12/08	N	Sodium	5,350	µg/L	
699-97-48C	B1RB71	2/12/08	Y	Sodium	5,150	µg/L	
699-97-48C	B1RB73	2/12/08	N	Specific conductance	284	µS/cm	
699-97-48C	B1RB71	2/12/08	Y	Strontium	220	µg/L	
699-97-48C	B1RB72	2/12/08	N	Strontium	229	µg/L	
699-97-48C	B1RB72	2/12/08	N	Sulfate	32,200	µg/L	D
699-97-48C	B1RB73	2/12/08	N	Temperature	14.7	°C	
699-97-48C	B1RB72	2/12/08	N	Tritium	440	pCi/L	
699-97-48C	B1RB73	2/12/08	N	Turbidity	1.48	NTU	
699-97-48C	B1RB71	2/12/08	Y	Vanadium	16.8	µg/L	
699-97-48C	B1RB72	2/12/08	N	Vanadium	20.7	µg/L	
699-97-48C	B1RB72	2/12/08	N	Zinc	106	µg/L	
699-97-48C	B1RB71	2/12/08	Y	Zinc	77.3	µg/L	
699-97-48B	B1RB69	2/12/08	N	Antimony	32	µg/L	U
699-97-48B	B1RB68	2/12/08	Y	Antimony	32	µg/L	U
699-97-48B	B1RB68	2/12/08	Y	Barium	59.9	µg/L	
699-97-48B	B1RB69	2/12/08	N	Barium	60.5	µg/L	
699-97-48B	B1RB69	2/12/08	N	Beryllium	4	µg/L	U
699-97-48B	B1RB68	2/12/08	Y	Beryllium	4	µg/L	U
699-97-48B	B1RB68	2/12/08	Y	Cadmium	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-97-48B	B1RB69	2/12/08	N	Cadmium	4	µg/L	U
699-97-48B	B1RB69	2/12/08	N	Calcium	46,600	µg/L	
699-97-48B	B1RB68	2/12/08	Y	Calcium	45,200	µg/L	
699-97-48B	B1RB69	2/12/08	N	Chloride	13,300	µg/L	D
699-97-48B	B1RB68	2/12/08	Y	Chromium	27.6	µg/L	
699-97-48B	B1RB69	2/12/08	N	Chromium	36.3	µg/L	
699-97-48B	B1RB69	2/12/08	N	Cobalt	4	µg/L	U
699-97-48B	B1RB68	2/12/08	Y	Cobalt	4	µg/L	U
699-97-48B	B1RB68	2/12/08	Y	Copper	4	µg/L	U
699-97-48B	B1RB69	2/12/08	N	Copper	4	µg/L	U
699-97-48B	B1RB69	2/12/08	N	Fluoride	195	µg/L	BD
699-97-48B	B1RB69	2/12/08	N	Gross alpha	1	pCi/L	U
699-97-48B	B1RB69	2/12/08	N	Gross beta	7.1	pCi/L	
699-97-48B	B1RBB4	2/12/08	N	Hexavalent chromium	40.2	µg/L	
699-97-48B	B1RB68	2/12/08	Y	Iron	25.4	µg/L	
699-97-48B	B1RB69	2/12/08	N	Iron	36.6	µg/L	
699-97-48B	B1RB68	2/12/08	Y	Magnesium	9,920	µg/L	
699-97-48B	B1RB69	2/12/08	N	Magnesium	9,940	µg/L	
699-97-48B	B1RB68	2/12/08	Y	Manganese	13.7	µg/L	
699-97-48B	B1RB69	2/12/08	N	Manganese	13.1	µg/L	
699-97-48B	B1RB68	2/12/08	Y	Nickel	4	µg/L	U
699-97-48B	B1RB69	2/12/08	N	Nickel	4	µg/L	U
699-97-48B	B1RB69	2/12/08	N	Nitrate	14,600	µg/L	D
699-97-48B	B1RB69	2/12/08	N	Nitrite	65.7	µg/L	DU
699-97-48B	B1RB70	2/12/08	N	pH measurement	7.77	unit-less	
699-97-48B	B1RB68	2/12/08	Y	Potassium	4,530	µg/L	
699-97-48B	B1RB69	2/12/08	N	Potassium	4,500	µg/L	
699-97-48B	B1RB69	2/12/08	N	Silver	5	µg/L	U
699-97-48B	B1RB68	2/12/08	Y	Silver	5	µg/L	U
699-97-48B	B1RB68	2/12/08	Y	Sodium	15,300	µg/L	
699-97-48B	B1RB69	2/12/08	N	Sodium	15,200	µg/L	
699-97-48B	B1RB70	2/12/08	N	Specific conductance	393	µS/cm	
699-97-48B	B1RB69	2/12/08	N	Strontium	204	µg/L	
699-97-48B	B1RB68	2/12/08	Y	Strontium	203	µg/L	
699-97-48B	B1RB69	2/12/08	N	Sulfate	56,000	µg/L	D

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-97-48B	B1RB70	2/12/08	N	Temperature	17.1	°C	
699-97-48B	B1RB69	2/12/08	N	Tritium	2,400	pCi/L	
699-97-48B	B1RB70	2/12/08	N	Turbidity	3.34	NTU	
699-97-48B	B1RB68	2/12/08	Y	Vanadium	7	µg/L	U
699-97-48B	B1RB69	2/12/08	N	Vanadium	7	µg/L	U
699-97-48B	B1RB69	2/12/08	N	Zinc	4	µg/L	U
699-97-48B	B1RB68	2/12/08	Y	Zinc	4	µg/L	U
699-97-45B	B1RB66	2/11/08	N	Antimony	32	µg/L	U
699-97-45B	B1RB65	2/11/08	Y	Antimony	32	µg/L	U
699-97-45B	B1RB66	2/11/08	N	Barium	78.3	µg/L	
699-97-45B	B1RB65	2/11/08	Y	Barium	84.5	µg/L	
699-97-45B	B1RB66	2/11/08	N	Beryllium	4	µg/L	U
699-97-45B	B1RB65	2/11/08	Y	Beryllium	4	µg/L	U
699-97-45B	B1RB66	2/11/08	N	Cadmium	4	µg/L	U
699-97-45B	B1RB65	2/11/08	Y	Cadmium	4	µg/L	U
699-97-45B	B1RB66	2/11/08	N	Calcium	27,900	µg/L	
699-97-45B	B1RB65	2/11/08	Y	Calcium	30,300	µg/L	
699-97-45B	B1RB66	2/11/08	N	Chloride	4,010	µg/L	D
699-97-45B	B1RB66	2/11/08	N	Chromium	4	µg/L	U
699-97-45B	B1RB65	2/11/08	Y	Chromium	4	µg/L	U
699-97-45B	B1RB66	2/11/08	N	Cobalt	4	µg/L	U
699-97-45B	B1RB65	2/11/08	Y	Cobalt	4	µg/L	U
699-97-45B	B1RB66	2/11/08	N	Copper	4	µg/L	U
699-97-45B	B1RB65	2/11/08	Y	Copper	4	µg/L	U
699-97-45B	B1RB66	2/11/08	N	Fluoride	371	µg/L	D
699-97-45B	B1RB66	2/11/08	N	Gross alpha	1.2	pCi/L	U
699-97-45B	B1RB66	2/11/08	N	Gross beta	5.9	pCi/L	
699-97-45B	B1RB65	2/11/08	Y	Iron	10.1	µg/L	
699-97-45B	B1RB66	2/11/08	N	Iron	14.1	µg/L	
699-97-45B	B1RB66	2/11/08	N	Magnesium	7,120	µg/L	
699-97-45B	B1RB65	2/11/08	Y	Magnesium	7,710	µg/L	
699-97-45B	B1RB65	2/11/08	Y	Manganese	343	µg/L	
699-97-45B	B1RB66	2/11/08	N	Manganese	314	µg/L	
699-97-45B	B1RB66	2/11/08	N	Nickel	4	µg/L	U
699-97-45B	B1RB65	2/11/08	Y	Nickel	6	µg/L	

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-97-45B	B1RB66	2/11/08	N	Nitrate	1,230	µg/L	D
699-97-45B	B1RB66	2/11/08	N	Nitrite	65.7	µg/L	DU
699-97-45B	B1RB66	2/11/08	N	Potassium	6,960	µg/L	
699-97-45B	B1RB65	2/11/08	Y	Potassium	7,540	µg/L	
699-97-45B	B1RB66	2/11/08	N	Silver	5	µg/L	U
699-97-45B	B1RB65	2/11/08	Y	Silver	5	µg/L	U
699-97-45B	B1RB66	2/11/08	N	Sodium	9,230	µg/L	
699-97-45B	B1RB65	2/11/08	Y	Sodium	10,100	µg/L	
699-97-45B	B1RB66	2/11/08	N	Strontium	178	µg/L	
699-97-45B	B1RB65	2/11/08	Y	Strontium	193	µg/L	
699-97-45B	B1RB66	2/11/08	N	Sulfate	24,600	µg/L	D
699-97-45B	B1RB66	2/11/08	N	Tritium	-76	pCi/L	U
699-97-45B	B1RB66	2/11/08	N	Vanadium	10.9	µg/L	
699-97-45B	B1RB65	2/11/08	Y	Vanadium	9.2	µg/L	
699-97-45B	B1RB66	2/11/08	N	Zinc	121	µg/L	
699-97-45B	B1RB65	2/11/08	Y	Zinc	92.4	µg/L	
699-97-45B	B1RBB3	2/11/08	N	Hexavalent chromium	2	µg/L	U
699-97-45B	B1RB67	2/11/08	N	pH measurement	7.56	unit-less	
699-97-45B	B1RB67	2/11/08	N	Specific conductance	284	µS/cm	
699-97-45B	B1RB67	2/11/08	N	Temperature	13.9	°C	
699-97-45B	B1RB67	2/11/08	N	Turbidity	4.94	NTU	
699-97-45	B1RB63	2/11/08	N	Antimony	32	µg/L	U
699-97-45	B1RB62	2/11/08	Y	Antimony	32	µg/L	U
699-97-45	B1RB62	2/11/08	Y	Barium	47.8	µg/L	
699-97-45	B1RB63	2/11/08	N	Barium	48.3	µg/L	
699-97-45	B1RB63	2/11/08	N	Beryllium	4	µg/L	U
699-97-45	B1RB62	2/11/08	Y	Beryllium	4	µg/L	U
699-97-45	B1RB62	2/11/08	Y	Cadmium	4	µg/L	U
699-97-45	B1RB63	2/11/08	N	Cadmium	4	µg/L	U
699-97-45	B1RB63	2/11/08	N	Calcium	49,600	µg/L	
699-97-45	B1RB62	2/11/08	Y	Calcium	48,,900	µg/L	
699-97-45	B1RB63	2/11/08	N	Chloride	14,000	µg/L	D
699-97-45	B1RB63	2/11/08	N	Chromium	63.1	µg/L	
699-97-45	B1RB62	2/11/08	Y	Chromium	63.5	µg/L	
699-97-45	B1RB62	2/11/08	Y	Cobalt	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-97-45	B1RB63	2/11/08	N	Cobalt	4	µg/L	U
699-97-45	B1RB63	2/11/08	N	Copper	4	µg/L	U
699-97-45	B1RB62	2/11/08	Y	Copper	4	µg/L	U
699-97-45	B1RB63	2/11/08	N	Fluoride	199	µg/L	D
699-97-45	B1RB63	2/11/08	N	Gross alpha	2.1	pCi/L	
699-97-45	B1RB63	2/11/08	N	Gross beta	5.8	pCi/L	
699-97-45	B1RBB2	2/11/08	N	Hexavalent chromium	69.7	µg/L	
699-97-45	B1RB62	2/11/08	Y	Iron	17.5	µg/L	
699-97-45	B1RB63	2/11/08	N	Iron	32.9	µg/L	
699-97-45	B1RB63	2/11/08	N	Magnesium	10,600	µg/L	
699-97-45	B1RB62	2/11/08	Y	Magnesium	10,500	µg/L	
699-97-45	B1RB62	2/11/08	Y	Manganese	30.2	µg/L	
699-97-45	B1RB63	2/11/08	N	Manganese	22.7	µg/L	
699-97-45	B1RB63	2/11/08	N	Nickel	4	µg/L	U
699-97-45	B1RB62	2/11/08	Y	Nickel	4	µg/L	U
699-97-45	B1RB63	2/11/08	N	Nitrate	19,800	µg/L	D
699-97-45	B1RB63	2/11/08	N	Nitrite	65.7	µg/L	DU
699-97-45	B1RB64	2/11/08	N	pH measurement	7.59	unit-less	
699-97-45	B1RB62	2/11/08	Y	Potassium	4,570	µg/L	
699-97-45	B1RB63	2/11/08	N	Potassium	4,530	µg/L	
699-97-45	B1RB63	2/11/08	N	Silver	5	µg/L	U
699-97-45	B1RB62	2/11/08	Y	Silver	5	µg/L	U
699-97-45	B1RB62	2/11/08	Y	Sodium	19,700	µg/L	
699-97-45	B1RB63	2/11/08	N	Sodium	20,000	µg/L	
699-97-45	B1RB64	2/11/08	N	Specific conductance	439	µS/cm	
699-97-45	B1RB62	2/11/08	Y	Strontium	219	µg/L	
699-97-45	B1RB63	2/11/08	N	Strontium	222	µg/L	
699-97-45	B1RB63	2/11/08	N	Sulfate	64,200	µg/L	D
699-97-45	B1RB64	2/11/08	N	Temperature	13.9	°C	
699-97-45	B1RB63	2/11/08	N	Tritium	4,000	pCi/L	
699-97-45	B1RB64	2/11/08	N	Turbidity	3.74	NTU	
699-97-45	B1RB63	2/11/08	N	Vanadium	7	µg/L	U
699-97-45	B1RB62	2/11/08	Y	Vanadium	7	µg/L	U
699-97-45	B1RB63	2/11/08	N	Zinc	15.9	µg/L	
699-97-45	B1RB62	2/11/08	Y	Zinc	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-97-43C	B1RB60	2/11/08	N	Antimony	32	µg/L	U
699-97-43C	B1RB59	2/11/08	Y	Antimony	32	µg/L	U
699-97-43C	B1RB59	2/11/08	Y	Barium	88.6	µg/L	
699-97-43C	B1RB60	2/11/08	N	Barium	94.4	µg/L	
699-97-43C	B1RB60	2/11/08	N	Beryllium	4	µg/L	U
699-97-43C	B1RB59	2/11/08	Y	Beryllium	4	µg/L	U
699-97-43C	B1RB59	2/11/08	Y	Cadmium	4	µg/L	U
699-97-43C	B1RB60	2/11/08	N	Cadmium	4	µg/L	U
699-97-43C	B1RB60	2/11/08	N	Calcium	35,000	µg/L	
699-97-43C	B1RB59	2/11/08	Y	Calcium	32,900	µg/L	
699-97-43C	B1RB60	2/11/08	N	Chloride	5,830	µg/L	D
699-97-43C	B1RB60	2/11/08	N	Chromium	4	µg/L	U
699-97-43C	B1RB59	2/11/08	Y	Chromium	4	µg/L	U
699-97-43C	B1RB59	2/11/08	Y	Cobalt	4	µg/L	U
699-97-43C	B1RB60	2/11/08	N	Cobalt	4	µg/L	U
699-97-43C	B1RB60	2/11/08	N	Copper	4	µg/L	U
699-97-43C	B1RB59	2/11/08	Y	Copper	4	µg/L	U
699-97-43C	B1RB60	2/11/08	N	Fluoride	258	µg/L	D
699-97-43C	B1RB60	2/11/08	N	Gross alpha	2.5	pCi/L	
699-97-43C	B1RB60	2/11/08	N	Gross beta	5.2	pCi/L	
699-97-43C	B1RBB1	2/11/08	N	Hexavalent chromium	2	µg/L	U
699-97-43C	B1RB59	2/11/08	Y	Iron	685	µg/L	
699-97-43C	B1RB60	2/11/08	N	Iron	674	µg/L	
699-97-43C	B1RB59	2/11/08	Y	Magnesium	9,890	µg/L	
699-97-43C	B1RB60	2/11/08	N	Magnesium	10,600	µg/L	
699-97-43C	B1RB59	2/11/08	Y	Manganese	329	µg/L	
699-97-43C	B1RB60	2/11/08	N	Manganese	317	µg/L	
699-97-43C	B1RB59	2/11/08	Y	Nickel	4	µg/L	U
699-97-43C	B1RB60	2/11/08	N	Nickel	4	µg/L	U
699-97-43C	B1RB60	2/11/08	N	Nitrate	2,380	µg/L	D
699-97-43C	B1RB60	2/11/08	N	Nitrite	65.7	µg/L	DU
699-97-43C	B1RB61	2/11/08	N	pH measurement	7.96	unit-less	
699-97-43C	B1RB60	2/11/08	N	Potassium	5,090	µg/L	
699-97-43C	B1RB59	2/11/08	Y	Potassium	4,830	µg/L	
699-97-43C	B1RB59	2/11/08	Y	Silver	5	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-97-43C	B1RB60	2/11/08	N	Silver	5	µg/L	U
699-97-43C	B1RB60	2/11/08	N	Sodium	5,530	µg/L	
699-97-43C	B1RB59	2/11/08	Y	Sodium	5,280	µg/L	
699-97-43C	B1RB61	2/11/08	N	Specific conductance	288	µS/cm	
699-97-43C	B1RB59	2/11/08	Y	Strontium	185	µg/L	
699-97-43C	B1RB60	2/11/08	N	Strontium	199	µg/L	
699-97-43C	B1RB60	2/11/08	N	Sulfate	42,700	µg/L	D
699-97-43C	B1RB61	2/11/08	N	Temperature	13.3	°C	
699-97-43C	B1RB60	2/11/08	N	Tritium	-35	pCi/L	U
699-97-43C	B1RB61	2/11/08	N	Turbidity	5.3	NTU	
699-97-43C	B1RB59	2/11/08	Y	Vanadium	16.2	µg/L	C
699-97-43C	B1RB60	2/11/08	N	Vanadium	13	µg/L	
699-97-43C	B1RB60	2/11/08	N	Zinc	18.9	µg/L	
699-97-43C	B1RB59	2/11/08	Y	Zinc	12.6	µg/L	
699-97-43B	B1RB57	2/8/08	N	Antimony	40.6	µg/L	
699-97-43B	B1RB56	2/8/08	Y	Antimony	42.6	µg/L	
699-97-43B	B1RB56	2/8/08	Y	Barium	53.4	µg/L	
699-97-43B	B1RB57	2/8/08	N	Barium	53.6	µg/L	
699-97-43B	B1RB57	2/8/08	N	Beryllium	4	µg/L	U
699-97-43B	B1RB56	2/8/08	Y	Beryllium	4	µg/L	U
699-97-43B	B1RB56	2/8/08	Y	Cadmium	4	µg/L	U
699-97-43B	B1RB57	2/8/08	N	Cadmium	4	µg/L	U
699-97-43B	B1RB57	2/8/08	N	Calcium	50,000	µg/L	
699-97-43B	B1RB56	2/8/08	Y	Calcium	49,800	µg/L	
699-97-43B	B1RB57	2/8/08	N	Chloride	14,300	µg/L	D
699-97-43B	B1RB57	2/8/08	N	Chromium	88.4	µg/L	
699-97-43B	B1RB56	2/8/08	Y	Chromium	90.3	µg/L	
699-97-43B	B1RB56	2/8/08	Y	Cobalt	4	µg/L	U
699-97-43B	B1RB57	2/8/08	N	Cobalt	4	µg/L	U
699-97-43B	B1RB57	2/8/08	N	Copper	4	µg/L	U
699-97-43B	B1RB56	2/8/08	Y	Copper	4	µg/L	U
699-97-43B	B1RB57	2/8/08	N	Fluoride	208	µg/L	D
699-97-43B	B1RB57	2/8/08	N	Gross alpha	-2.8	pCi/L	U
699-97-43B	B1RB57	2/8/08	N	Gross beta	3.7	pCi/L	U
699-97-43B	B1RBB0	2/8/08	N	Hexavalent chromium	103	µg/L	

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-97-43B	B1RB57	2/8/08	N	Iron	33.2	µg/L	C
699-97-43B	B1RB56	2/8/08	Y	Iron	23.6	µg/L	C
699-97-43B	B1RB57	2/8/08	N	Magnesium	11,200	µg/L	
699-97-43B	B1RB56	2/8/08	Y	Magnesium	10,900	µg/L	
699-97-43B	B1RB57	2/8/08	N	Manganese	15.8	µg/L	
699-97-43B	B1RB56	2/8/08	Y	Manganese	17.7	µg/L	
699-97-43B	B1RB57	2/8/08	N	Nickel	4	µg/L	U
699-97-43B	B1RB56	2/8/08	Y	Nickel	4	µg/L	U
699-97-43B	B1RB57	2/8/08	N	Nitrate	19,800	µg/L	D
699-97-43B	B1RB57	2/8/08	N	Nitrite	65.7	µg/L	DU
699-97-43B	B1RB58	2/8/08	N	pH measurement	7.74	unit-less	
699-97-43B	B1RB57	2/8/08	N	Potassium	4,930	µg/L	
699-97-43B	B1RB56	2/8/08	Y	Potassium	4,770	µg/L	
699-97-43B	B1RB56	2/8/08	Y	Silver	5	µg/L	U
699-97-43B	B1RB57	2/8/08	N	Silver	5	µg/L	U
699-97-43B	B1RB57	2/8/08	N	Sodium	23,400	µg/L	
699-97-43B	B1RB56	2/8/08	Y	Sodium	22,800	µg/L	
699-97-43B	B1RB58	2/8/08	N	Specific conductance	441	µS/cm	
699-97-43B	B1RB56	2/8/08	Y	Strontium	238	µg/L	
699-97-43B	B1RB57	2/8/08	N	Strontium	240	µg/L	
699-97-43B	B1RB57	2/8/08	N	Sulfate	56,800	µg/L	D
699-97-43B	B1RB58	2/8/08	N	Temperature	16.8	°C	
699-97-43B	B1RB57	2/8/08	N	Tritium	5,500	pCi/L	
699-97-43B	B1RB58	2/8/08	N	Turbidity	0.98	NTU	
699-97-43B	B1RB56	2/8/08	Y	Vanadium	7	µg/L	U
699-97-43B	B1RB57	2/8/08	N	Vanadium	7	µg/L	U
699-97-43B	B1RB57	2/8/08	N	Zinc	4	µg/L	U
699-97-43B	B1RB56	2/8/08	Y	Zinc	4	µg/L	U
699-97-41	B1RB54	2/8/08	N	Antimony	32	µg/L	U
699-97-41	B1RB53	2/8/08	Y	Antimony	60.1	µg/L	
699-97-41	B1RB53	2/8/08	Y	Barium	39.2	µg/L	
699-97-41	B1RB54	2/8/08	N	Barium	40.6	µg/L	
699-97-41	B1RB54	2/8/08	N	Beryllium	4	µg/L	U
699-97-41	B1RB53	2/8/08	Y	Beryllium	4	µg/L	U
699-97-41	B1RB53	2/8/08	Y	Cadmium	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-97-41	B1RB54	2/8/08	N	Cadmium	4	µg/L	U
699-97-41	B1RB54	2/8/08	N	Calcium	56,000	µg/L	
699-97-41	B1RB53	2/8/08	Y	Calcium	55,000	µg/L	
699-97-41	B1RB54	2/8/08	N	Chloride	19,300	µg/L	D
699-97-41	B1RB54	2/8/08	N	Chromium	82.1	µg/L	
699-97-41	B1RB53	2/8/08	Y	Chromium	73.1	µg/L	
699-97-41	B1RB53	2/8/08	Y	Cobalt	4	µg/L	U
699-97-41	B1RB54	2/8/08	N	Cobalt	4	µg/L	U
699-97-41	B1RB54	2/8/08	N	Copper	4	µg/L	U
699-97-41	B1RB53	2/8/08	Y	Copper	4.1	µg/L	
699-97-41	B1RB54	2/8/08	N	Fluoride	157	µg/L	BD
699-97-41	B1RB54	2/8/08	N	Gross alpha	-5.2	pCi/L	U
699-97-41	B1RB54	2/8/08	N	Gross beta	7.9	pCi/L	
699-97-41	B1RB99	2/8/08	N	Hexavalent chromium	89.4	µg/L	
699-97-41	B1RB53	2/8/08	Y	Iron	17.2	µg/L	C
699-97-41	B1RB54	2/8/08	N	Iron	53.4	µg/L	C
699-97-41	B1RB53	2/8/08	Y	Magnesium	13,900	µg/L	
699-97-41	B1RB54	2/8/08	N	Magnesium	14,400	µg/L	
699-97-41	B1RB53	2/8/08	Y	Manganese	7.2	µg/L	
699-97-41	B1RB54	2/8/08	N	Manganese	6.2	µg/L	
699-97-41	B1RB53	2/8/08	Y	Nickel	4	µg/L	U
699-97-41	B1RB54	2/8/08	N	Nickel	4	µg/L	U
699-97-41	B1RB54	2/8/08	N	Nitrate	31,300	µg/L	D
699-97-41	B1RB54	2/8/08	N	Nitrite	65.7	µg/L	DU
699-97-41	B1RB55	2/8/08	N	pH measurement	7.6	unit-less	
699-97-41	B1RB54	2/8/08	N	Potassium	6,220	µg/L	
699-97-41	B1RB53	2/8/08	Y	Potassium	6,020	µg/L	
699-97-41	B1RB53	2/8/08	Y	Silver	5	µg/L	U
699-97-41	B1RB54	2/8/08	N	Silver	5	µg/L	U
699-97-41	B1RB54	2/8/08	N	Sodium	23,200	µg/L	
699-97-41	B1RB53	2/8/08	Y	Sodium	22,200	µg/L	
699-97-41	B1RB55	2/8/08	N	Specific conductance	503	µS/cm	
699-97-41	B1RB53	2/8/08	Y	Strontium	292	µg/L	
699-97-41	B1RB54	2/8/08	N	Strontium	299	µg/L	
699-97-41	B1RB54	2/8/08	N	Sulfate	66,700	µg/L	D

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-97-41	B1RB55	2/8/08	N	Temperature	17	°C	
699-97-41	B1RB54	2/8/08	N	Tritium	4,500	pCi/L	
699-97-41	B1RB55	2/8/08	N	Turbidity	3.16	NTU	
699-97-41	B1RB53	2/8/08	Y	Vanadium	7	µg/L	U
699-97-41	B1RB54	2/8/08	N	Vanadium	7	µg/L	U
699-97-41	B1RB53	2/8/08	Y	Zinc	4.4	µg/L	
699-97-41	B1RB54	2/8/08	N	Zinc	4.3	µg/L	
699-96-52B	B1RB51	2/8/08	N	Antimony	49.8	µg/L	
699-96-52B	B1RB50	2/8/08	Y	Antimony	41.9	µg/L	
699-96-52B	B1RB50	2/8/08	Y	Barium	49.3	µg/L	
699-96-52B	B1RB51	2/8/08	N	Barium	49.5	µg/L	
699-96-52B	B1RB50	2/8/08	Y	Beryllium	4	µg/L	U
699-96-52B	B1RB51	2/8/08	N	Beryllium	4	µg/L	U
699-96-52B	B1RB50	2/8/08	Y	Cadmium	4	µg/L	U
699-96-52B	B1RB51	2/8/08	N	Cadmium	4	µg/L	U
699-96-52B	B1RB50	2/8/08	Y	Calcium	58,000	µg/L	
699-96-52B	B1RB51	2/8/08	N	Calcium	57,800	µg/L	
699-96-52B	B1RB51	2/8/08	N	Chloride	17,900	µg/L	D
699-96-52B	B1RB51	2/8/08	N	Chromium	50.2	µg/L	
699-96-52B	B1RB50	2/8/08	Y	Chromium	46.4	µg/L	
699-96-52B	B1RB50	2/8/08	Y	Cobalt	4.2	µg/L	
699-96-52B	B1RB51	2/8/08	N	Cobalt	4	µg/L	U
699-96-52B	B1RB50	2/8/08	Y	Copper	4	µg/L	U
699-96-52B	B1RB51	2/8/08	N	Copper	4	µg/L	U
699-96-52B	B1RB51	2/8/08	N	Fluoride	82.5	µg/L	BD
699-96-52B	B1RB51	2/8/08	N	Gross alpha	-4	pCi/L	U
699-96-52B	B1RB51	2/8/08	N	Gross beta	8.3	pCi/L	
699-96-52B	B1RB98	2/8/08	N	Hexavalent chromium	58.6	µg/L	
699-96-52B	B1RB50	2/8/08	Y	Iron	9	µg/L	U
699-96-52B	B1RB51	2/8/08	N	Iron	21.4	µg/L	C
699-96-52B	B1RB51	2/8/08	N	Magnesium	8,760	µg/L	
699-96-52B	B1RB50	2/8/08	Y	Magnesium	8,740	µg/L	
699-96-52B	B1RB50	2/8/08	Y	Manganese	5	µg/L	
699-96-52B	B1RB51	2/8/08	N	Manganese	4	µg/L	U
699-96-52B	B1RB50	2/8/08	Y	Nickel	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-96-52B	B1RB51	2/8/08	N	Nickel	4	µg/L	U
699-96-52B	B1RB51	2/8/08	N	Nitrate	23,800	µg/L	D
699-96-52B	B1RB51	2/8/08	N	Nitrite	65.7	µg/L	DU
699-96-52B	B1RB52	2/8/08	N	pH measurement	7.61	unit-less	
699-96-52B	B1RB50	2/8/08	Y	Potassium	4,740	µg/L	
699-96-52B	B1RB51	2/8/08	N	Potassium	4,740	µg/L	
699-96-52B	B1RB50	2/8/08	Y	Silver	5	µg/L	U
699-96-52B	B1RB51	2/8/08	N	Silver	5	µg/L	U
699-96-52B	B1RB50	2/8/08	Y	Sodium	7,820	µg/L	
699-96-52B	B1RB51	2/8/08	N	Sodium	7,880	µg/L	
699-96-52B	B1RB52	2/8/08	N	Specific conductance	402	µS/cm	
699-96-52B	B1RB50	2/8/08	Y	Strontium	244	µg/L	
699-96-52B	B1RB51	2/8/08	N	Strontium	243	µg/L	
699-96-52B	B1RB51	2/8/08	N	Sulfate	62,200	µg/L	D
699-96-52B	B1RB52	2/8/08	N	Temperature	18.4	°C	
699-96-52B	B1RB51	2/8/08	N	Tritium	1,900	pCi/L	
699-96-52B	B1RB52	2/8/08	N	Turbidity	1.72	NTU	
699-96-52B	B1RB50	2/8/08	Y	Vanadium	7	µg/L	U
699-96-52B	B1RB51	2/8/08	N	Vanadium	7	µg/L	U
699-96-52B	B1RB50	2/8/08	Y	Zinc	4	µg/L	U
699-96-52B	B1RB51	2/8/08	N	Zinc	4	µg/L	U
699-95-51	B1RB48	2/8/08	N	Antimony	35.6	µg/L	
699-95-51	B1RB47	2/8/08	Y	Antimony	56.2	µg/L	C
699-95-51	B1RB47	2/8/08	Y	Barium	39.8	µg/L	
699-95-51	B1RB48	2/8/08	N	Barium	40.4	µg/L	
699-95-51	B1RB48	2/8/08	N	Beryllium	4	µg/L	U
699-95-51	B1RB47	2/8/08	Y	Beryllium	4	µg/L	U
699-95-51	B1RB47	2/8/08	Y	Cadmium	4	µg/L	U
699-95-51	B1RB48	2/8/08	N	Cadmium	4	µg/L	U
699-95-51	B1RB48	2/8/08	N	Calcium	63,800	µg/L	
699-95-51	B1RB47	2/8/08	Y	Calcium	64,500	µg/L	
699-95-51	B1RB48	2/8/08	N	Chloride	22,000	µg/L	D
699-95-51	B1RB47	2/8/08	Y	Chromium	17.1	µg/L	
699-95-51	B1RB48	2/8/08	N	Chromium	18.5	µg/L	
699-95-51	B1RB47	2/8/08	Y	Cobalt	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-95-51	B1RB48	2/8/08	N	Cobalt	4	µg/L	U
699-95-51	B1RB47	2/8/08	Y	Copper	5.2	µg/L	
699-95-51	B1RB48	2/8/08	N	Copper	4	µg/L	U
699-95-51	B1RB48	2/8/08	N	Fluoride	137	µg/L	BD
699-95-51	B1RB48	2/8/08	N	Gross alpha	-5.8	pCi/L	U
699-95-51	B1RB48	2/8/08	N	Gross beta	16	pCi/L	
699-95-51	B1RB97	2/8/08	N	Hexavalent chromium	26.3	µg/L	
699-95-51	B1RB47	2/8/08	Y	Iron	19.7	µg/L	
699-95-51	B1RB48	2/8/08	N	Iron	88.8	µg/L	C
699-95-51	B1RB48	2/8/08	N	Magnesium	12,200	µg/L	
699-95-51	B1RB47	2/8/08	Y	Magnesium	12,400	µg/L	
699-95-51	B1RB47	2/8/08	Y	Manganese	4	µg/L	U
699-95-51	B1RB48	2/8/08	N	Manganese	4	µg/L	U
699-95-51	B1RB48	2/8/08	N	Nickel	4	µg/L	U
699-95-51	B1RB47	2/8/08	Y	Nickel	4	µg/L	U
699-95-51	B1RB48	2/8/08	N	Nitrate	20,000	µg/L	D
699-95-51	B1RB48	2/8/08	N	Nitrite	65.7	µg/L	DU
699-95-51	B1RB49	2/8/08	N	pH measurement	7.8	unit-less	
699-95-51	B1RB47	2/8/08	Y	Potassium	5,790	µg/L	
699-95-51	B1RB48	2/8/08	N	Potassium	5,700	µg/L	
699-95-51	B1RB48	2/8/08	N	Silver	5	µg/L	U
699-95-51	B1RB47	2/8/08	Y	Silver	5	µg/L	U
699-95-51	B1RB47	2/8/08	Y	Sodium	14,000	µg/L	
699-95-51	B1RB48	2/8/08	N	Sodium	13,800	µg/L	
699-95-51	B1RB49	2/8/08	N	Specific conductance	485	µS/cm	
699-95-51	B1RB47	2/8/08	Y	Strontium	299	µg/L	
699-95-51	B1RB48	2/8/08	N	Strontium	296	µg/L	
699-95-51	B1RB48	2/8/08	N	Sulfate	89,300	µg/L	D
699-95-51	B1RB49	2/8/08	N	Temperature	20.1	°C	
699-95-51	B1RB48	2/8/08	N	Tritium	1,800	pCi/L	
699-95-51	B1RB49	2/8/08	N	Turbidity	3.74	NTU	
699-95-51	B1RB47	2/8/08	Y	Vanadium	7	µg/L	U
699-95-51	B1RB48	2/8/08	N	Vanadium	7	µg/L	U
699-95-51	B1RB47	2/8/08	Y	Zinc	4	µg/L	U
699-95-51	B1RB48	2/8/08	N	Zinc	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-95-48	B1RB45	2/8/08	N	Antimony	32	µg/L	U
699-95-48	B1RB44	2/8/08	Y	Antimony	32	µg/L	U
699-95-48	B1RB45	2/8/08	N	Barium	35.3	µg/L	
699-95-48	B1RB44	2/8/08	Y	Barium	35	µg/L	
699-95-48	B1RB45	2/8/08	N	Beryllium	4	µg/L	U
699-95-48	B1RB44	2/8/08	Y	Beryllium	4	µg/L	U
699-95-48	B1RB45	2/8/08	N	Cadmium	4	µg/L	U
699-95-48	B1RB44	2/8/08	Y	Cadmium	4	µg/L	U
699-95-48	B1RB45	2/8/08	N	Calcium	40,800	µg/L	
699-95-48	B1RB44	2/8/08	Y	Calcium	41,000	µg/L	
699-95-48	B1RB45	2/8/08	N	Chloride	12,000	µg/L	D
699-95-48	B1RB45	2/8/08	N	Chromium	26	µg/L	
699-95-48	B1RB44	2/8/08	Y	Chromium	27.6	µg/L	
699-95-48	B1RB45	2/8/08	N	Cobalt	4	µg/L	U
699-95-48	B1RB44	2/8/08	Y	Cobalt	4	µg/L	U
699-95-48	B1RB45	2/8/08	N	Copper	4	µg/L	U
699-95-48	B1RB44	2/8/08	Y	Copper	4	µg/L	U
699-95-48	B1RB45	2/8/08	N	Fluoride	286	µg/L	D
699-95-48	B1RB45	2/8/08	N	Gross alpha	-4.9	pCi/L	U
699-95-48	B1RB45	2/8/08	N	Gross beta	12	pCi/L	
699-95-48	B1RB96	2/8/08	N	Hexavalent chromium	37.1	µg/L	
699-95-48	B1RB45	2/8/08	N	Iron	24.9	µg/L	C
699-95-48	B1RB44	2/8/08	Y	Iron	20.9	µg/L	
699-95-48	B1RB45	2/8/08	N	Magnesium	10,800	µg/L	
699-95-48	B1RB44	2/8/08	Y	Magnesium	10,900	µg/L	
699-95-48	B1RB45	2/8/08	N	Manganese	23.2	µg/L	
699-95-48	B1RB44	2/8/08	Y	Manganese	27	µg/L	
699-95-48	B1RB45	2/8/08	N	Nickel	4	µg/L	U
699-95-48	B1RB44	2/8/08	Y	Nickel	4	µg/L	U
699-95-48	B1RB45	2/8/08	N	Nitrate	10,700	µg/L	D
699-95-48	B1RB45	2/8/08	N	Nitrite	65.7	µg/L	DU
699-95-48	B1RB46	2/8/08	N	pH measurement	7.84	unit-less	
699-95-48	B1RB45	2/8/08	N	Potassium	5,360	µg/L	
699-95-48	B1RB44	2/8/08	Y	Potassium	5,420	µg/L	
699-95-48	B1RB45	2/8/08	N	Silver	5	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-95-48	B1RB44	2/8/08	Y	Silver	5	µg/L	U
699-95-48	B1RB45	2/8/08	N	Sodium	21,900	µg/L	
699-95-48	B1RB44	2/8/08	Y	Sodium	22,000	µg/L	
699-95-48	B1RB46	2/8/08	N	Specific conductance	387	µS/cm	
699-95-48	B1RB45	2/8/08	N	Strontium	231	µg/L	
699-95-48	B1RB44	2/8/08	Y	Strontium	230	µg/L	
699-95-48	B1RB45	2/8/08	N	Sulfate	51,400	µg/L	D
699-95-48	B1RB46	2/8/08	N	Temperature	17.1	°C	
699-95-48	B1RB45	2/8/08	N	Tritium	2,400	pCi/L	
699-95-48	B1RB46	2/8/08	N	Turbidity	2.82	NTU	
699-95-48	B1RB45	2/8/08	N	Vanadium	7	µg/L	U
699-95-48	B1RB44	2/8/08	Y	Vanadium	8.9	µg/L	
699-95-48	B1RB45	2/8/08	N	Zinc	4	µg/L	U
699-95-48	B1RB44	2/8/08	Y	Zinc	4	µg/L	U
699-95-45	B1RB41	2/7/08	Y	Antimony	32	µg/L	U
699-95-45	B1RB42	2/7/08	N	Antimony	32	µg/L	U
699-95-45	B1RB41	2/7/08	Y	Barium	50.8	µg/L	
699-95-45	B1RB42	2/7/08	N	Barium	51	µg/L	
699-95-45	B1RB41	2/7/08	Y	Beryllium	4	µg/L	U
699-95-45	B1RB42	2/7/08	N	Beryllium	4	µg/L	U
699-95-45	B1RB41	2/7/08	Y	Cadmium	4	µg/L	U
699-95-45	B1RB42	2/7/08	N	Cadmium	4	µg/L	U
699-95-45	B1RB42	2/7/08	N	Calcium	45,000	µg/L	
699-95-45	B1RB41	2/7/08	Y	Calcium	45,300	µg/L	
699-95-45	B1RB42	2/7/08	N	Chloride	14,900	µg/L	D
699-95-45	B1RB41	2/7/08	Y	Chromium	54.2	µg/L	
699-95-45	B1RB42	2/7/08	N	Chromium	55.3	µg/L	
699-95-45	B1RB42	2/7/08	N	Cobalt	4	µg/L	U
699-95-45	B1RB41	2/7/08	Y	Cobalt	4	µg/L	U
699-95-45	B1RB41	2/7/08	Y	Copper	4.1	µg/L	
699-95-45	B1RB42	2/7/08	N	Copper	4	µg/L	U
699-95-45	B1RB42	2/7/08	N	Fluoride	226	µg/L	D
699-95-45	B1RB42	2/7/08	N	Gross alpha	-3.8	pCi/L	U
699-95-45	B1RB42	2/7/08	N	Gross beta	10	pCi/L	
699-95-45	B1RB95	2/7/08	N	Hexavalent chromium	63.2	µg/L	

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-95-45	B1RB41	2/7/08	Y	Iron	18.3	µg/L	
699-95-45	B1RB42	2/7/08	N	Iron	13.8	µg/L	
699-95-45	B1RB41	2/7/08	Y	Magnesium	11,000	µg/L	
699-95-45	B1RB42	2/7/08	N	Magnesium	10,900	µg/L	
699-95-45	B1RB41	2/7/08	Y	Manganese	4.5	µg/L	
699-95-45	B1RB42	2/7/08	N	Manganese	4	µg/L	U
699-95-45	B1RB41	2/7/08	Y	Nickel	4	µg/L	U
699-95-45	B1RB42	2/7/08	N	Nickel	4	µg/L	U
699-95-45	B1RB42	2/7/08	N	Nitrate	15,100	µg/L	D
699-95-45	B1RB42	2/7/08	N	Nitrite	65.7	µg/L	DU
699-95-45	B1RB43	2/7/08	N	pH measurement	7.67	unit-less	
699-95-45	B1RB41	2/7/08	Y	Potassium	5,110	µg/L	
699-95-45	B1RB42	2/7/08	N	Potassium	5,100	µg/L	
699-95-45	B1RB41	2/7/08	Y	Silver	5	µg/L	U
699-95-45	B1RB42	2/7/08	N	Silver	5	µg/L	U
699-95-45	B1RB41	2/7/08	Y	Sodium	22,000	µg/L	
699-95-45	B1RB42	2/7/08	N	Sodium	21,900	µg/L	
699-95-45	B1RB43	2/7/08	N	Specific conductance	427	µS/cm	
699-95-45	B1RB41	2/7/08	Y	Strontium	243	µg/L	
699-95-45	B1RB42	2/7/08	N	Strontium	241	µg/L	
699-95-45	B1RB42	2/7/08	N	Sulfate	50,600	µg/L	D
699-95-45	B1RB43	2/7/08	N	Temperature	16.9	°C	
699-95-45	B1RB42	2/7/08	N	Tritium	5,400	pCi/L	
699-95-45	B1RB43	2/7/08	N	Turbidity	1.71	NTU	
699-95-45	B1RB42	2/7/08	N	Vanadium	7	µg/L	U
699-95-45	B1RB41	2/7/08	Y	Vanadium	7	µg/L	U
699-95-45	B1RB41	2/7/08	Y	Zinc	4	µg/L	U
699-95-45	B1RB42	2/7/08	N	Zinc	4	µg/L	U
699-94-43	B1RB94	2/6/08	N	Hexavalent chromium	16	µg/L	
699-94-43	B1RB39	2/8/08	N	Antimony	46.7	µg/L	C
699-94-43	B1RB38	2/8/08	Y	Antimony	75.3	µg/L	C
699-94-43	B1RB38	2/8/08	Y	Barium	75.6	µg/L	
699-94-43	B1RB39	2/8/08	N	Barium	76.4	µg/L	
699-94-43	B1RB39	2/8/08	N	Beryllium	4	µg/L	U
699-94-43	B1RB38	2/8/08	Y	Beryllium	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-94-43	B1RB38	2/8/08	Y	Cadmium	4	µg/L	U
699-94-43	B1RB39	2/8/08	N	Cadmium	4	µg/L	U
699-94-43	B1RB39	2/8/08	N	Calcium	49,500	µg/L	
699-94-43	B1RB38	2/8/08	Y	Calcium	49,400	µg/L	
699-94-43	B1RB39	2/8/08	N	Chloride	15,300	µg/L	D
699-94-43	B1RB38	2/8/08	Y	Chromium	26.7	µg/L	
699-94-43	B1RB39	2/8/08	N	Chromium	31.3	µg/L	
699-94-43	B1RB39	2/8/08	N	Cobalt	4	µg/L	U
699-94-43	B1RB38	2/8/08	Y	Cobalt	4	µg/L	U
699-94-43	B1RB38	2/8/08	Y	Copper	4	µg/L	U
699-94-43	B1RB39	2/8/08	N	Copper	4	µg/L	U
699-94-43	B1RB39	2/8/08	N	Fluoride	250	µg/L	D
699-94-43	B1RB39	2/8/08	N	Gross alpha	-3.3	pCi/L	U
699-94-43	B1RB39	2/8/08	N	Gross beta	8.5	pCi/L	
699-94-43	B1RB39	2/8/08	N	Iron	54.9	µg/L	
699-94-43	B1RB38	2/8/08	Y	Iron	16.3	µg/L	
699-94-43	B1RB38	2/8/08	Y	Magnesium	15,500	µg/L	
699-94-43	B1RB39	2/8/08	N	Magnesium	15,500	µg/L	
699-94-43	B1RB39	2/8/08	N	Manganese	37.4	µg/L	
699-94-43	B1RB38	2/8/08	Y	Manganese	37	µg/L	
699-94-43	B1RB38	2/8/08	Y	Nickel	4	µg/L	U
699-94-43	B1RB39	2/8/08	N	Nickel	4	µg/L	U
699-94-43	B1RB39	2/8/08	N	Nitrate	27,200	µg/L	D
699-94-43	B1RB39	2/8/08	N	Nitrite	453	µg/L	BD
699-94-43	B1RB40	2/8/08	N	pH measurement	7.64	unit-less	
699-94-43	B1RB39	2/8/08	N	Potassium	6,410	µg/L	
699-94-43	B1RB38	2/8/08	Y	Potassium	6,360	µg/L	
699-94-43	B1RB38	2/8/08	Y	Silver	5	µg/L	U
699-94-43	B1RB39	2/8/08	N	Silver	5	µg/L	U
699-94-43	B1RB39	2/8/08	N	Sodium	32,400	µg/L	
699-94-43	B1RB38	2/8/08	Y	Sodium	32,300	µg/L	
699-94-43	B1RB40	2/8/08	N	Specific conductance	507	µS/cm	
699-94-43	B1RB38	2/8/08	Y	Strontium	356	µg/L	
699-94-43	B1RB39	2/8/08	N	Strontium	358	µg/L	
699-94-43	B1RB39	2/8/08	N	Sulfate	65,200	µg/L	D

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-94-43	B1RB40	2/8/08	N	Temperature	17.4	°C	
699-94-43	B1RB39	2/8/08	N	Tritium	4,600	pCi/L	
699-94-43	B1RB40	2/8/08	N	Turbidity	2.91	NTU	
699-94-43	B1RB38	2/8/08	Y	Vanadium	7	µg/L	U
699-94-43	B1RB39	2/8/08	N	Vanadium	7	µg/L	U
699-94-43	B1RB39	2/8/08	N	Zinc	4	µg/L	U
699-94-43	B1RB38	2/8/08	Y	Zinc	4	µg/L	U
699-94-41	B1RB36	2/6/08	N	Antimony	32	µg/L	U
699-94-41	B1RB35	2/6/08	Y	Antimony	32	µg/L	U
699-94-41	B1RB35	2/6/08	Y	Barium	31	µg/L	
699-94-41	B1RB36	2/6/08	N	Barium	31.1	µg/L	
699-94-41	B1RB36	2/6/08	N	Beryllium	4	µg/L	U
699-94-41	B1RB35	2/6/08	Y	Beryllium	4	µg/L	U
699-94-41	B1RB35	2/6/08	Y	Cadmium	4	µg/L	U
699-94-41	B1RB36	2/6/08	N	Cadmium	4	µg/L	U
699-94-41	B1RB36	2/6/08	N	Calcium	44,200	µg/L	
699-94-41	B1RB35	2/6/08	Y	Calcium	43,500	µg/L	
699-94-41	B1RB36	2/6/08	N	Chloride	13,000	µg/L	D
699-94-41	B1RB35	2/6/08	Y	Chromium	11.4	µg/L	
699-94-41	B1RB36	2/6/08	N	Chromium	14.7	µg/L	
699-94-41	B1RB36	2/6/08	N	Cobalt	4	µg/L	U
699-94-41	B1RB35	2/6/08	Y	Cobalt	4.6	µg/L	
699-94-41	B1RB35	2/6/08	Y	Copper	4	µg/L	U
699-94-41	B1RB36	2/6/08	N	Copper	4	µg/L	U
699-94-41	B1RB36	2/6/08	N	Fluoride	319	µg/L	D
699-94-41	B1RB36	2/6/08	N	Gross alpha	-5.4	pCi/L	U
699-94-41	B1RB36	2/6/08	N	Gross beta	9.5	pCi/L	
699-94-41	B1RB93	2/6/08	N	Hexavalent chromium	16	µg/L	
699-94-41	B1RB35	2/6/08	Y	Iron	20.8	µg/L	
699-94-41	B1RB36	2/6/08	N	Iron	26	µg/L	
699-94-41	B1RB35	2/6/08	Y	Magnesium	13,400	µg/L	
699-94-41	B1RB36	2/6/08	N	Magnesium	13,700	µg/L	
699-94-41	B1RB36	2/6/08	N	Manganese	4	µg/L	U
699-94-41	B1RB35	2/6/08	Y	Manganese	4	µg/L	U
699-94-41	B1RB36	2/6/08	N	Nickel	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-94-41	B1RB35	2/6/08	Y	Nickel	4	µg/L	U
699-94-41	B1RB36	2/6/08	N	Nitrate	22,500	µg/L	D
699-94-41	B1RB36	2/6/08	N	Nitrite	65.7	µg/L	DU
699-94-41	B1RB37	2/6/08	N	pH measurement	7.77	unit-less	
699-94-41	B1RB35	2/6/08	Y	Potassium	6,270	µg/L	
699-94-41	B1RB36	2/6/08	N	Potassium	6,370	µg/L	
699-94-41	B1RB36	2/6/08	N	Silver	5	µg/L	U
699-94-41	B1RB35	2/6/08	Y	Silver	5	µg/L	U
699-94-41	B1RB35	2/6/08	Y	Sodium	30,100	µg/L	
699-94-41	B1RB36	2/6/08	N	Sodium	30,400	µg/L	
699-94-41	B1RB37	2/6/08	N	Specific conductance	480	µS/cm	
699-94-41	B1RB36	2/6/08	N	Strontium	302	µg/L	
699-94-41	B1RB35	2/6/08	Y	Strontium	297	µg/L	
699-94-41	B1RB36	2/6/08	N	Sulfate	63,000	µg/L	D
699-94-41	B1RB37	2/6/08	N	Temperature	16.2	°C	
699-94-41	B1RB36	2/6/08	N	Tritium	2,300	pCi/L	
699-94-41	B1RB37	2/6/08	N	Turbidity	0.58	NTU	
699-94-41	B1RB35	2/6/08	Y	Vanadium	7	µg/L	U
699-94-41	B1RB36	2/6/08	N	Vanadium	7	µg/L	U
699-94-41	B1RB36	2/6/08	N	Zinc	4	µg/L	U
699-94-41	B1RB35	2/6/08	Y	Zinc	4	µg/L	U
699-101-45	B1RB33	2/12/08	N	Antimony	32	µg/L	U
699-101-45	B1RB32	2/12/08	Y	Antimony	32	µg/L	U
699-101-45	B1RB32	2/12/08	Y	Barium	37.5	µg/L	
699-101-45	B1RB33	2/12/08	N	Barium	37.7	µg/L	
699-101-45	B1RB33	2/12/08	N	Beryllium	4	µg/L	U
699-101-45	B1RB32	2/12/08	Y	Beryllium	4	µg/L	U
699-101-45	B1RB32	2/12/08	Y	Cadmium	4	µg/L	U
699-101-45	B1RB33	2/12/08	N	Cadmium	4	µg/L	U
699-101-45	B1RB33	2/12/08	N	Calcium	42,000	µg/L	
699-101-45	B1RB32	2/12/08	Y	Calcium	41,200	µg/L	
699-101-45	B1RB33	2/12/08	N	Chloride	10,400	µg/L	D
699-101-45	B1RB32	2/12/08	Y	Chromium	29.3	µg/L	
699-101-45	B1RB33	2/12/08	N	Chromium	21.4	µg/L	
699-101-45	B1RB32	2/12/08	Y	Cobalt	5.4	µg/L	

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-101-45	B1RB33	2/12/08	N	Cobalt	4	µg/L	U
699-101-45	B1RB33	2/12/08	N	Copper	4	µg/L	U
699-101-45	B1RB32	2/12/08	Y	Copper	4	µg/L	U
699-101-45	B1RB33	2/12/08	N	Fluoride	110	µg/L	BD
699-101-45	B1RB33	2/12/08	N	Gross alpha	0.92	pCi/L	U
699-101-45	B1RB33	2/12/08	N	Gross beta	4.8	pCi/L	
699-101-45	B1RB92	2/12/08	N	Hexavalent chromium	29.7	µg/L	
699-101-45	B1RB32	2/12/08	Y	Iron	17	µg/L	
699-101-45	B1RB33	2/12/08	N	Iron	17.5	µg/L	
699-101-45	B1RB32	2/12/08	Y	Magnesium	8,910	µg/L	
699-101-45	B1RB33	2/12/08	N	Magnesium	9,000	µg/L	
699-101-45	B1RB32	2/12/08	Y	Manganese	4.2	µg/L	
699-101-45	B1RB33	2/12/08	N	Manganese	4	µg/L	U
699-101-45	B1RB32	2/12/08	Y	Nickel	4	µg/L	U
699-101-45	B1RB33	2/12/08	N	Nickel	4	µg/L	U
699-101-45	B1RB33	2/12/08	N	Nitrate	12,900	µg/L	D
699-101-45	B1RB33	2/12/08	N	Nitrite	65.7	µg/L	DU
699-101-45	B1RB34	2/12/08	N	pH measurement	7.59	unit-less	
699-101-45	B1RB32	2/12/08	Y	Potassium	3,640	µg/L	
699-101-45	B1RB33	2/12/08	N	Potassium	3,670	µg/L	
699-101-45	B1RB32	2/12/08	Y	Silver	5	µg/L	U
699-101-45	B1RB33	2/12/08	N	Silver	5	µg/L	U
699-101-45	B1RB33	2/12/08	N	Sodium	10,600	µg/L	
699-101-45	B1RB32	2/12/08	Y	Sodium	10,500	µg/L	
699-101-45	B1RB34	2/12/08	N	Specific conductance	343	µS/cm	
699-101-45	B1RB33	2/12/08	N	Strontium	186	µg/L	
699-101-45	B1RB32	2/12/08	Y	Strontium	183	µg/L	
699-101-45	B1RB33	2/12/08	N	Sulfate	44,400	µg/L	D
699-101-45	B1RB34	2/12/08	N	Temperature	16.3	°C	
699-101-45	B1RB33	2/12/08	N	Tritium	1,400	pCi/L	
699-101-45	B1RB34	2/12/08	N	Turbidity	1.54	NTU	
699-101-45	B1RB32	2/12/08	Y	Vanadium	7	µg/L	U
699-101-45	B1RB33	2/12/08	N	Vanadium	8.6	µg/L	
699-101-45	B1RB33	2/12/08	N	Zinc	4	µg/L	U
699-101-45	B1RB32	2/12/08	Y	Zinc	4	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-100-43B	B1RB29	2/12/08	Y	Antimony	32	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Antimony	32	µg/L	U
699-100-43B	B1RB29	2/12/08	Y	Barium	18.2	µg/L	
699-100-43B	B1RB30	2/12/08	N	Barium	18.8	µg/L	
699-100-43B	B1RB29	2/12/08	Y	Beryllium	4	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Beryllium	4	µg/L	U
699-100-43B	B1RB29	2/12/08	Y	Cadmium	4	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Cadmium	4	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Calcium	21,100	µg/L	
699-100-43B	B1RB29	2/12/08	Y	Calcium	21,100	µg/L	
699-100-43B	B1RB30	2/12/08	N	Chloride	1,310	µg/L	D
699-100-43B	B1RB29	2/12/08	Y	Chromium	4	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Chromium	4	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Cobalt	4	µg/L	U
699-100-43B	B1RB29	2/12/08	Y	Cobalt	4	µg/L	U
699-100-43B	B1RB29	2/12/08	Y	Copper	4	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Copper	4	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Fluoride	20.7	µg/L	BD
699-100-43B	B1RB30	2/12/08	N	Gross alpha	0.72	pCi/L	U
699-100-43B	B1RB30	2/12/08	N	Gross beta	1.5	pCi/L	U
699-100-43B	B1RB23	2/12/08	N	Hexavalent chromium	2	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Iron	68.8	µg/L	
699-100-43B	B1RB29	2/12/08	Y	Iron	11.2	µg/L	
699-100-43B	B1RB29	2/12/08	Y	Magnesium	4,820	µg/L	
699-100-43B	B1RB30	2/12/08	N	Magnesium	4,830	µg/L	
699-100-43B	B1RB29	2/12/08	Y	Manganese	4	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Manganese	4	µg/L	U
699-100-43B	B1RB29	2/12/08	Y	Nickel	4	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Nickel	4	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Nitrate	1,290	µg/L	D
699-100-43B	B1RB30	2/12/08	N	Nitrite	65.7	µg/L	DU
699-100-43B	B1RB31	2/12/08	N	pH measurement	7.46	unit-less	
699-100-43B	B1RB29	2/12/08	Y	Potassium	1,100	µg/L	
699-100-43B	B1RB30	2/12/08	N	Potassium	1,140	µg/L	
699-100-43B	B1RB29	2/12/08	Y	Silver	5	µg/L	U

Table B-1. First Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab. Qualifier
699-100-43B	B1RB30	2/12/08	N	Silver	5	µg/L	U
699-100-43B	B1RB29	2/12/08	Y	Sodium	2,760	µg/L	
699-100-43B	B1RB30	2/12/08	N	Sodium	2,760	µg/L	
699-100-43B	B1RB31	2/12/08	N	Specific conductance	156	µS/cm	
699-100-43B	B1RB29	2/12/08	Y	Strontium	94.9	µg/L	
699-100-43B	B1RB30	2/12/08	N	Strontium	95.3	µg/L	
699-100-43B	B1RB30	2/12/08	N	Sulfate	10,900	µg/L	D
699-100-43B	B1RB31	2/12/08	N	Temperature	11.5	°C	
699-100-43B	B1RB30	2/12/08	N	Tritium	74	pCi/L	U
699-100-43B	B1RB31	2/12/08	N	Turbidity	3.58	NTU	
699-100-43B	B1RB30	2/12/08	N	Vanadium	7	µg/L	U
699-100-43B	B1RB29	2/12/08	Y	Vanadium	7	µg/L	U
699-100-43B	B1RB29	2/12/08	Y	Zinc	4	µg/L	U
699-100-43B	B1RB30	2/12/08	N	Zinc	4	µg/L	U

Laboratory qualifiers:

B = Inorganics and Wetchem: The analyte was detected at a value less than the contract required detection limit, but greater than or equal to the instrument detection limit or method detection limit (as appropriate).

C = The analyte was detected in both the sample and the associated quality control blank, and the sample concentration was less than or equal to five times the blank concentration.

D = Analyte was reported at a secondary dilution factor, typically dilution factor greater than one (i.e., the primary preparation required dilution to either bring the analyte within the calibration range or to minimize interference). Required for organics/Wetchem if the sample was diluted.

U = Analyzed for but not detected above limiting criteria. Limiting criteria may be any of the following: reported value less than zero; reported value less than counting error; reported value less than total analytical error; reported value less than or equal to contract instrument detection limit/method detection limit/minimum detectable activity/practical quantitation limit. Note: When another qualifier accompanies a "U" qualifier the result is always considered non-detected. The qualifier combinations "UJ" and "UL" indicate that the result was non-detected, but the detection limit (i.e., value reported in the "Reported Value" column) was estimated.

Radionuclides: The associated quality control sample blank has a result greater than or equal to two times the minimum detectable activity and, after corrections, the result is greater than or equal to the minimum detectable activity for this sample.

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-44	B1THW7	5/1/08	N	Antimony	4	µg/L	U
699-99-44	B1THW6	5/1/08	Y	Antimony	5	µg/L	B
699-99-44	B1THW6	5/1/08	Y	Barium	45.5	µg/L	B
699-99-44	B1THW7	5/1/08	N	Barium	43.2	µg/L	B
699-99-44	B1THW6	5/1/08	Y	Beryllium	0.5	µg/L	U
699-99-44	B1THW7	5/1/08	N	Beryllium	0.5	µg/L	U
699-99-44	B1THW6	5/1/08	Y	Cadmium	0.45	µg/L	U
699-99-44	B1THW7	5/1/08	N	Cadmium	0.45	µg/L	U
699-99-44	B1THW6	5/1/08	Y	Calcium	51,000	µg/L	D
699-99-44	B1THW7	5/1/08	N	Calcium	45,500	µg/L	C
699-99-44	B1VC33	5/1/08	N	Chloride	14,000	µg/L	D
699-99-44	B1THW7	5/1/08	N	Chromium	40.8	µg/L	
699-99-44	B1THW6	5/1/08	Y	Chromium	41.7	µg/L	
699-99-44	B1THW6	5/1/08	Y	Cobalt	4	µg/L	U
699-99-44	B1THW7	5/1/08	N	Cobalt	4	µg/L	U
699-99-44	B1THW7	5/1/08	N	Copper	4.6	µg/L	U
699-99-44	B1THW6	5/1/08	Y	Copper	4.6	µg/L	U
699-99-44	B1VC33	5/1/08	N	Fluoride	250	µg/L	U
699-99-44	B1VC29	5/1/08	N	Gross alpha	2.22	pCi/L	
699-99-44	B1VC29	5/1/08	N	Gross beta	5.38	pCi/L	
699-99-44	B1TJ63	5/1/08	N	Hexavalent chromium	42	µg/L	
699-99-44	B1THW7	5/1/08	N	Iron	20.3	µg/L	B
699-99-44	B1THW6	5/1/08	Y	Iron	16	µg/L	U
699-99-44	B1THW6	5/1/08	Y	Magnesium	10,100	µg/L	
699-99-44	B1THW7	5/1/08	N	Magnesium	9,480	µg/L	
699-99-44	B1THW7	5/1/08	N	Manganese	3.1	µg/L	B
699-99-44	B1THW6	5/1/08	Y	Manganese	1.8	µg/L	B
699-99-44	B1THW6	5/1/08	Y	Nickel	13.3	µg/L	U
699-99-44	B1THW7	5/1/08	N	Nickel	13.3	µg/L	U
699-99-44	B1VC33	5/1/08	N	Nitrate	30,200	µg/L	D
699-99-44	B1VC33	5/1/08	N	Nitrite	2,500	µg/L	UD
699-99-44	B1THW8	5/1/08	N	pH measurement	7.59	unit-less	
699-99-44	B1THW7	5/1/08	N	Potassium	7,070	µg/L	N
699-99-44	B1THW6	5/1/08	Y	Potassium	2,910	µg/L	B

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-44	B1THW6	5/1/08	Y	Silver	6	µg/L	U
699-99-44	B1THW7	5/1/08	N	Silver	6	µg/L	U
699-99-44	B1THW6	5/1/08	Y	Sodium	11,500	µg/L	
699-99-44	B1THW7	5/1/08	N	Sodium	10,700	µg/L	
699-99-44	B1THW8	5/1/08	N	Specific conductance	437	µS/cm	
699-99-44	B1THW6	5/1/08	Y	Strontium	239	µg/L	D
699-99-44	B1THW7	5/1/08	N	Strontium	219	µg/L	
699-99-44	B1VC33	5/1/08	N	Sulfate	66,500	µg/L	D
699-99-44	B1THW8	5/1/08	N	Temperature	17.7	°C	
699-99-44	B1VC29	5/1/08	N	Tritium	1,220	pCi/L	
699-99-44	B1THW8	5/1/08	N	Turbidity	2.23	NTU	
699-99-44	B1THW7	5/1/08	N	Vanadium	10.7	µg/L	B
699-99-44	B1THW6	5/1/08	Y	Vanadium	10.9	µg/L	B
699-99-44	B1THW6	5/1/08	Y	Zinc	5.2	µg/L	U
699-99-44	B1THW7	5/1/08	N	Zinc	5.2	µg/L	U
699-99-42B	B1THW3	4/25/08	Y	Antimony	4	µg/L	U
699-99-42B	B1THW4	4/25/08	N	Antimony	4	µg/L	U
699-99-42B	B1THW3	4/25/08	Y	Barium	25.7	µg/L	B
699-99-42B	B1THW4	4/25/08	N	Barium	30.6	µg/L	B
699-99-42B	B1THW3	4/25/08	Y	Beryllium	0.5	µg/L	U
699-99-42B	B1THW4	4/25/08	N	Beryllium	0.5	µg/L	U
699-99-42B	B1THW3	4/25/08	Y	Cadmium	0.45	µg/L	U
699-99-42B	B1THW4	4/25/08	N	Cadmium	0.45	µg/L	U
699-99-42B	B1THW3	4/25/08	Y	Calcium	34,800	µg/L	C
699-99-42B	B1THW4	4/25/08	N	Calcium	40,700	µg/L	
699-99-42B	B1VC32	4/25/08	N	Chloride	11,000	µg/L	D
699-99-42B	B1THW3	4/25/08	Y	Chromium	33.1	µg/L	
699-99-42B	B1THW4	4/25/08	N	Chromium	40.8	µg/L	
699-99-42B	B1THW3	4/25/08	Y	Cobalt	4	µg/L	U
699-99-42B	B1THW4	4/25/08	N	Cobalt	4	µg/L	U
699-99-42B	B1THW3	4/25/08	Y	Copper	4.6	µg/L	U
699-99-42B	B1THW4	4/25/08	N	Copper	4.6	µg/L	U
699-99-42B	B1VC32	4/25/08	N	Fluoride	250	µg/L	U
699-99-42B	B1VC28	4/25/08	N	Gross alpha	0.941	pCi/L	U
699-99-42B	B1VC28	4/25/08	N	Gross beta	3.93	pCi/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-42B	B1TJ62	4/25/08	N	Hexavalent chromium	41	µg/L	
699-99-42B	B1THW3	4/25/08	Y	Iron	16	µg/L	U
699-99-42B	B1THW4	4/25/08	N	Iron	23.6	µg/L	B
699-99-42B	B1THW4	4/25/08	N	Magnesium	9,000	µg/L	
699-99-42B	B1THW3	4/25/08	Y	Magnesium	7790	µg/L	
699-99-42B	B1THW3	4/25/08	Y	Manganese	0.96	µg/L	U
699-99-42B	B1THW4	4/25/08	N	Manganese	0.96	µg/L	U
699-99-42B	B1THW3	4/25/08	Y	Nickel	13.3	µg/L	U
699-99-42B	B1THW4	4/25/08	N	Nickel	13.3	µg/L	U
699-99-42B	B1VC32	4/25/08	N	Nitrate	19,300	µg/L	D
699-99-42B	B1VC32	4/25/08	N	Nitrite	500	µg/L	UD
699-99-42B	B1THW5	4/25/08	N	pH measurement	7.42	unit-less	
699-99-42B	B1THW3	4/25/08	Y	Potassium	4,280	µg/L	B
699-99-42B	B1THW4	4/25/08	N	Potassium	5,470	µg/L	
699-99-42B	B1THW3	4/25/08	Y	Silver	6	µg/L	U
699-99-42B	B1THW4	4/25/08	N	Silver	6	µg/L	U
699-99-42B	B1THW3	4/25/08	Y	Sodium	10,200	µg/L	
699-99-42B	B1THW4	4/25/08	N	Sodium	11,200	µg/L	
699-99-42B	B1THW5	4/25/08	N	Specific conductance	353	µS/cm	
699-99-42B	B1THW3	4/25/08	Y	Strontium	168	µg/L	
699-99-42B	B1THW4	4/25/08	N	Strontium	200	µg/L	
699-99-42B	B1VC32	4/25/08	N	Sulfate	44,600	µg/L	D
699-99-42B	B1THW5	4/25/08	N	Temperature	15.7	°C	
699-99-42B	B1VC28	4/25/08	N	Tritium	1,250	pCi/L	
699-99-42B	B1THW5	4/25/08	N	Turbidity	4.07	NTU	
699-99-42B	B1THW3	4/25/08	Y	Vanadium	5.9	µg/L	B
699-99-42B	B1THW4	4/25/08	N	Vanadium	6.6	µg/L	B
699-99-42B	B1THW3	4/25/08	Y	Zinc	5.2	µg/L	U
699-99-42B	B1THW4	4/25/08	N	Zinc	5.2	µg/L	U
699-99-41	B1THW1	4/25/08	N	Antimony	4	µg/L	U
699-99-41	B1THW0	4/25/08	Y	Antimony	4	µg/L	U
699-99-41	B1THW0	4/25/08	Y	Barium	35.3	µg/L	B
699-99-41	B1THW1	4/25/08	N	Barium	41.1	µg/L	B
699-99-41	B1THW1	4/25/08	N	Beryllium	0.5	µg/L	U
699-99-41	B1THW0	4/25/08	Y	Beryllium	0.5	µg/L	U

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-41	B1THW0	4/25/08	Y	Cadmium	0.45	µg/L	U
699-99-41	B1THW1	4/25/08	N	Cadmium	0.45	µg/L	U
699-99-41	B1THW1	4/25/08	N	Calcium	49,400	µg/L	
699-99-41	B1THW0	4/25/08	Y	Calcium	42,600	µg/L	C
699-99-41	B1VC31	4/25/08	N	Chloride	18,600	µg/L	D
699-99-41	B1THW0	4/25/08	Y	Chromium	58.2	µg/L	
699-99-41	B1THW1	4/25/08	N	Chromium	68.2	µg/L	
699-99-41	B1THW1	4/25/08	N	Cobalt	4	µg/L	U
699-99-41	B1THW0	4/25/08	Y	Cobalt	4	µg/L	U
699-99-41	B1THW0	4/25/08	Y	Copper	4.6	µg/L	U
699-99-41	B1THW1	4/25/08	N	Copper	4.6	µg/L	U
699-99-41	B1VC31	4/25/08	N	Fluoride	250	µg/L	U
699-99-41	B1VC27	4/25/08	N	Gross alpha	0.997	pCi/L	U
699-99-41	B1VC27	4/25/08	N	Gross beta	6.38	pCi/L	
699-99-41	B1TJ61	4/25/08	N	Hexavalent chromium	73	µg/L	
699-99-41	B1THW1	4/25/08	N	Iron	22	µg/L	B
699-99-41	B1THW0	4/25/08	Y	Iron	16	µg/L	U
699-99-41	B1THW0	4/25/08	Y	Magnesium	10,300	µg/L	
699-99-41	B1THW1	4/25/08	N	Magnesium	11,900	µg/L	
699-99-41	B1THW1	4/25/08	N	Manganese	0.96	µg/L	U
699-99-41	B1THW0	4/25/08	Y	Manganese	1.7	µg/L	B
699-99-41	B1THW0	4/25/08	Y	Nickel	13.3	µg/L	U
699-99-41	B1THW1	4/25/08	N	Nickel	13.3	µg/L	U
699-99-41	B1VC31	4/25/08	N	Nitrate	27,800	µg/L	D
699-99-41	B1VC31	4/25/08	N	Nitrite	2,500	µg/L	UD
699-99-41	B1THW2	4/25/08	N	pH measurement	7.49	unit-less	
699-99-41	B1THW1	4/25/08	N	Potassium	6,000	µg/L	
699-99-41	B1THW0	4/25/08	Y	Potassium	4,860	µg/L	B
699-99-41	B1THW0	4/25/08	Y	Silver	6	µg/L	U
699-99-41	B1THW1	4/25/08	N	Silver	6	µg/L	U
699-99-41	B1THW1	4/25/08	N	Sodium	18,400	µg/L	
699-99-41	B1THW0	4/25/08	Y	Sodium	17,200	µg/L	
699-99-41	B1THW2	4/25/08	N	Specific conductance	464	µS/cm	
699-99-41	B1THW0	4/25/08	Y	Strontium	256	µg/L	
699-99-41	B1THW1	4/25/08	N	Strontium	301	µg/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-41	B1VC31	4/25/08	N	Sulfate	59,600	µg/L	D
699-99-41	B1THW2	4/25/08	N	Temperature	16.5	°C	
699-99-41	B1VC27	4/25/08	N	Tritium	3,730	pCi/L	
699-99-41	B1THW2	4/25/08	N	Turbidity	0.62	NTU	
699-99-41	B1THW1	4/25/08	N	Vanadium	9	µg/L	B
699-99-41	B1THW0	4/25/08	Y	Vanadium	7.6	µg/L	B
699-99-41	B1THW1	4/25/08	N	Zinc	5.2	µg/L	U
699-99-41	B1THW0	4/25/08	Y	Zinc	5.2	µg/L	U
699-98-51	B1TJ12	4/25/08	N	Antimony	4	µg/L	U
699-98-51	B1TJ11	4/25/08	Y	Antimony	4	µg/L	U
699-98-51	B1TJ12	4/25/08	N	Barium	41.5	µg/L	B
699-98-51	B1TJ11	4/25/08	Y	Barium	39.4	µg/L	B
699-98-51	B1TJ12	4/25/08	N	Beryllium	0.5	µg/L	U
699-98-51	B1TJ11	4/25/08	Y	Beryllium	0.5	µg/L	U
699-98-51	B1TJ12	4/25/08	N	Cadmium	0.45	µg/L	U
699-98-51	B1TJ11	4/25/08	Y	Cadmium	0.45	µg/L	U
699-98-51	B1TJ12	4/25/08	N	Calcium	29,200	µg/L	
699-98-51	B1TJ11	4/25/08	Y	Calcium	30,400	µg/L	C
699-98-51	B1VC07	4/25/08	N	Chloride	8,700	µg/L	D
699-98-51	B1TJ12	4/25/08	N	Chromium	10	µg/L	
699-98-51	B1TJ11	4/25/08	Y	Chromium	7.2	µg/L	B
699-98-51	B1TJ12	4/25/08	N	Cobalt	4	µg/L	U
699-98-51	B1TJ11	4/25/08	Y	Cobalt	4	µg/L	U
699-98-51	B1TJ12	4/25/08	N	Copper	4.6	µg/L	U
699-98-51	B1TJ11	4/25/08	Y	Copper	4.6	µg/L	U
699-98-51	B1VC07	4/25/08	N	Fluoride	250	µg/L	U
699-98-51	B1VC04	4/25/08	N	Gross alpha	0.909	pCi/L	U
699-98-51	B1VC04	4/25/08	N	Gross beta	2.81	pCi/L	
699-98-51	B1TJ49	4/25/08	N	Hexavalent chromium	12	µg/L	
699-98-51	B1TJ11	4/25/08	Y	Iron	16	µg/L	U
699-98-51	B1TJ12	4/25/08	N	Iron	439	µg/L	
699-98-51	B1TJ12	4/25/08	N	Magnesium	7,150	µg/L	
699-98-51	B1TJ11	4/25/08	Y	Magnesium	7,490	µg/L	
699-98-51	B1TJ11	4/25/08	Y	Manganese	1.5	µg/L	B
699-98-51	B1TJ12	4/25/08	N	Manganese	11	µg/L	B

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-51	B1TJ12	4/25/08	N	Nickel	13.3	µg/L	U
699-98-51	B1TJ11	4/25/08	Y	Nickel	13.3	µg/L	U
699-98-51	B1VC07	4/25/08	N	Nitrate	10,300	µg/L	D
699-98-51	B1VC07	4/25/08	N	Nitrite	1,250	µg/L	UD
699-98-51	B1TJ13	4/25/08	N	pH measurement	7.11	unit-less	
699-98-51	B1TJ11	4/25/08	Y	Potassium	1,650	µg/L	U
699-98-51	B1TJ12	4/25/08	N	Potassium	3,270	µg/L	B
699-98-51	B1TJ12	4/25/08	N	Silver	6	µg/L	U
699-98-51	B1TJ11	4/25/08	Y	Silver	6	µg/L	U
699-98-51	B1TJ12	4/25/08	N	Sodium	6,100	µg/L	
699-98-51	B1TJ11	4/25/08	Y	Sodium	6,320	µg/L	
699-98-51	B1TJ13	4/25/08	N	Specific conductance	284	µS/cm	
699-98-51	B1TJ12	4/25/08	N	Strontium	145	µg/L	
699-98-51	B1TJ11	4/25/08	Y	Strontium	147	µg/L	
699-98-51	B1VC07	4/25/08	N	Sulfate	32,900	µg/L	D
699-98-51	B1TJ13	4/25/08	N	Temperature	15	°C	
699-98-51	B1VC04	4/25/08	N	Tritium	603	pCi/L	
699-98-51	B1TJ13	4/25/08	N	Turbidity	4.53	NTU	
699-98-51	B1TJ12	4/25/08	N	Vanadium	4.1	µg/L	U
699-98-51	B1TJ11	4/25/08	Y	Vanadium	4.1	µg/L	U
699-98-51	B1TJ11	4/25/08	Y	Zinc	5.2	µg/L	U
699-98-51	B1TJ12	4/25/08	N	Zinc	5.2	µg/L	U
699-98-46	B1THV4	5/1/08	Y	Antimony	6.1	µg/L	B
699-98-46	B1THV5	5/1/08	N	Antimony	4	µg/L	U
699-98-46	B1THV4	5/1/08	Y	Barium	61.4	µg/L	B
699-98-46	B1THV5	5/1/08	N	Barium	62.4	µg/L	B
699-98-46	B1THV5	5/1/08	N	Beryllium	0.5	µg/L	U
699-98-46	B1THV4	5/1/08	Y	Beryllium	0.5	µg/L	U
699-98-46	B1THV4	5/1/08	Y	Cadmium	0.45	µg/L	U
699-98-46	B1THV5	5/1/08	N	Cadmium	0.45	µg/L	U
699-98-46	B1THV5	5/1/08	N	Calcium	47,100	µg/L	C
699-98-46	B1THV4	5/1/08	Y	Calcium	46,800	µg/L	
699-98-46	B1VC25	5/1/08	N	Chloride	15,900	µg/L	D
699-98-46	B1THV4	5/1/08	Y	Chromium	48.4	µg/L	
699-98-46	B1THV5	5/1/08	N	Chromium	50.7	µg/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-46	B1THV5	5/1/08	N	Cobalt	4	µg/L	U
699-98-46	B1THV4	5/1/08	Y	Cobalt	4.8	µg/L	B
699-98-46	B1THV4	5/1/08	Y	Copper	4.6	µg/L	U
699-98-46	B1THV5	5/1/08	N	Copper	4.6	µg/L	U
699-98-46	B1VC25	5/1/08	N	Fluoride	250	µg/L	U
699-98-46	B1VC21	5/1/08	N	Gross alpha	1.78	pCi/L	
699-98-46	B1VC21	5/1/08	N	Gross beta	7.22	pCi/L	
699-98-46	B1TJ59	5/1/08	N	Hexavalent chromium	53	µg/L	
699-98-46	B1THV4	5/1/08	Y	Iron	16	µg/L	U
699-98-46	B1THV5	5/1/08	N	Iron	58.4	µg/L	B
699-98-46	B1THV4	5/1/08	Y	Magnesium	10,200	µg/L	
699-98-46	B1THV5	5/1/08	N	Magnesium	10,300	µg/L	
699-98-46	B1THV4	5/1/08	Y	Manganese	5.8	µg/L	B
699-98-46	B1THV5	5/1/08	N	Manganese	2.1	µg/L	B
699-98-46	B1THV4	5/1/08	Y	Nickel	13.3	µg/L	U
699-98-46	B1THV5	5/1/08	N	Nickel	13.3	µg/L	U
699-98-46	B1VC25	5/1/08	N	Nitrate	29,000	µg/L	D
699-98-46	B1VC25	5/1/08	N	Nitrite	2,500	µg/L	UD
699-98-46	B1THV6	5/1/08	N	pH measurement	7.66	unit-less	
699-98-46	B1THV4	5/1/08	Y	Potassium	2,930	µg/L	B
699-98-46	B1THV5	5/1/08	N	Potassium	7,720	µg/L	N
699-98-46	B1THV4	5/1/08	Y	Silver	6	µg/L	U
699-98-46	B1THV5	5/1/08	N	Silver	6	µg/L	U
699-98-46	B1THV4	5/1/08	Y	Sodium	16,800	µg/L	
699-98-46	B1THV5	5/1/08	N	Sodium	16,600	µg/L	
699-98-46	B1THV6	5/1/08	N	Specific conductance	465	µS/cm	
699-98-46	B1THV5	5/1/08	N	Strontium	236	µg/L	
699-98-46	B1THV4	5/1/08	Y	Strontium	238	µg/L	
699-98-46	B1VC25	5/1/08	N	Sulfate	72,300	µg/L	D
699-98-46	B1THV6	5/1/08	N	Temperature	18.3	°C	
699-98-46	B1VC21	5/1/08	N	Tritium	2,530	pCi/L	
699-98-46	B1THV6	5/1/08	N	Turbidity	4.86	NTU	
699-98-46	B1THV5	5/1/08	N	Vanadium	4.1	µg/L	U
699-98-46	B1THV4	5/1/08	Y	Vanadium	4.1	µg/L	U
699-98-46	B1THV4	5/1/08	Y	Zinc	5.2	µg/L	U

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-46	B1THV5	5/1/08	N	Zinc	5.7	µg/L	B
699-98-43	B1THV1	4/25/08	Y	Antimony	4	µg/L	U
699-98-43	B1THV2	4/25/08	N	Antimony	4	µg/L	U
699-98-43	B1THV1	4/25/08	Y	Barium	43	µg/L	B
699-98-43	B1THV2	4/25/08	N	Barium	44.4	µg/L	B
699-98-43	B1THV1	4/25/08	Y	Beryllium	0.5	µg/L	U
699-98-43	B1THV2	4/25/08	N	Beryllium	0.5	µg/L	U
699-98-43	B1THV1	4/25/08	Y	Cadmium	0.45	µg/L	U
699-98-43	B1THV2	4/25/08	N	Cadmium	0.45	µg/L	U
699-98-43	B1THV1	4/25/08	Y	Calcium	46,000	µg/L	C
699-98-43	B1THV2	4/25/08	N	Calcium	47,900	µg/L	
699-98-43	B1VC24	4/25/08	N	Chloride	18,500	µg/L	D
699-98-43	B1THV1	4/25/08	Y	Chromium	61.7	µg/L	
699-98-43	B1THV2	4/25/08	N	Chromium	65.4	µg/L	
699-98-43	B1THV1	4/25/08	Y	Cobalt	4	µg/L	U
699-98-43	B1THV2	4/25/08	N	Cobalt	4	µg/L	U
699-98-43	B1THV1	4/25/08	Y	Copper	4.6	µg/L	U
699-98-43	B1THV2	4/25/08	N	Copper	4.6	µg/L	U
699-98-43	B1VC24	4/25/08	N	Fluoride	250	µg/L	U
699-98-43	B1VC20	4/25/08	N	Gross alpha	1.14	pCi/L	U
699-98-43	B1VC20	4/25/08	N	Gross beta	6.53	pCi/L	
699-98-43	B1TJ58	4/25/08	N	Hexavalent chromium	72	µg/L	
699-98-43	B1THV2	4/25/08	N	Iron	16	µg/L	U
699-98-43	B1THV1	4/25/08	Y	Iron	16	µg/L	U
699-98-43	B1THV1	4/25/08	Y	Magnesium	10,400	µg/L	
699-98-43	B1THV2	4/25/08	N	Magnesium	10,700	µg/L	
699-98-43	B1THV2	4/25/08	N	Manganese	0.96	µg/L	U
699-98-43	B1THV1	4/25/08	Y	Manganese	2.5	µg/L	B
699-98-43	B1THV1	4/25/08	Y	Nickel	13.3	µg/L	U
699-98-43	B1THV2	4/25/08	N	Nickel	13.3	µg/L	U
699-98-43	B1VC24	4/25/08	N	Nitrate	23,000	µg/L	D
699-98-43	B1VC24	4/25/08	N	Nitrite	1,250	µg/L	UD
699-98-43	B1THV3	4/25/08	N	pH measurement	7.77	unit-less	
699-98-43	B1THV2	4/25/08	N	Potassium	7,380	µg/L	
699-98-43	B1THV1	4/25/08	Y	Potassium	4,750	µg/L	B

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-43	B1THV1	4/25/08	Y	Silver	6	µg/L	U
699-98-43	B1THV2	4/25/08	N	Silver	6	µg/L	U
699-98-43	B1THV1	4/25/08	Y	Sodium	16,000	µg/L	
699-98-43	B1THV2	4/25/08	N	Sodium	16,100	µg/L	
699-98-43	B1THV3	4/25/08	N	Specific conductance	442	µS/cm	
699-98-43	B1THV1	4/25/08	Y	Strontium	237	µg/L	
699-98-43	B1THV2	4/25/08	N	Strontium	251	µg/L	
699-98-43	B1VC24	4/25/08	N	Sulfate	62,200	µg/L	D
699-98-43	B1THV3	4/25/08	N	Temperature	16.6	°C	
699-98-43	B1VC20	4/25/08	N	Tritium	2,040	pCi/L	
699-98-43	B1THV3	4/25/08	N	Turbidity	0.75	NTU	
699-98-43	B1THV1	4/25/08	Y	Vanadium	5.5	µg/L	B
699-98-43	B1THV2	4/25/08	N	Vanadium	6.7	µg/L	B
699-98-43	B1THV1	4/25/08	Y	Zinc	5.2	µg/L	U
699-98-43	B1THV2	4/25/08	N	Zinc	5.2	µg/L	U
699-97-48C	B1THT9	5/1/08	N	Antimony	4	µg/L	U
699-97-48C	B1THT8	5/1/08	Y	Antimony	4	µg/L	U
699-97-48C	B1THT8	5/1/08	Y	Barium	96.2	µg/L	B
699-97-48C	B1THT9	5/1/08	N	Barium	97.2	µg/L	B
699-97-48C	B1THT9	5/1/08	N	Beryllium	0.5	µg/L	U
699-97-48C	B1THT8	5/1/08	Y	Beryllium	0.5	µg/L	U
699-97-48C	B1THT8	5/1/08	Y	Cadmium	0.45	µg/L	U
699-97-48C	B1THT9	5/1/08	N	Cadmium	0.45	µg/L	U
699-97-48C	B1THT9	5/1/08	N	Calcium	31,000	µg/L	C
699-97-48C	B1THT8	5/1/08	Y	Calcium	30,200	µg/L	
699-97-48C	B1VC23	5/1/08	N	Chloride	9,800	µg/L	
699-97-48C	B1THT9	5/1/08	N	Chromium	3.8	µg/L	B
699-97-48C	B1THT8	5/1/08	Y	Chromium	3.1	µg/L	B
699-97-48C	B1THT9	5/1/08	N	Cobalt	4	µg/L	U
699-97-48C	B1THT8	5/1/08	Y	Cobalt	4	µg/L	U
699-97-48C	B1THT9	5/1/08	N	Copper	4.6	µg/L	U
699-97-48C	B1THT8	5/1/08	Y	Copper	4.6	µg/L	U
699-97-48C	B1VC23	5/1/08	N	Fluoride	250	µg/L	U
699-97-48C	B1VC19	5/1/08	N	Gross alpha	0.846	pCi/L	U
699-97-48C	B1VC19	5/1/08	N	Gross beta	4.05	pCi/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-48C	B1TJ57	5/1/08	N	Hexavalent chromium	2	µg/L	U
699-97-48C	B1THT9	5/1/08	N	Iron	16.1	µg/L	B
699-97-48C	B1THT8	5/1/08	Y	Iron	16	µg/L	U
699-97-48C	B1THT8	5/1/08	Y	Magnesium	10,200	µg/L	
699-97-48C	B1THT9	5/1/08	N	Magnesium	10,500	µg/L	
699-97-48C	B1THT9	5/1/08	N	Manganese	351	µg/L	
699-97-48C	B1THT8	5/1/08	Y	Manganese	345	µg/L	
699-97-48C	B1THT8	5/1/08	Y	Nickel	13.3	µg/L	U
699-97-48C	B1THT9	5/1/08	N	Nickel	13.3	µg/L	U
699-97-48C	B1VC23	5/1/08	N	Nitrate	1,070	µg/L	
699-97-48C	B1VC23	5/1/08	N	Nitrite	2,500	µg/L	UD
699-97-48C	B1THV0	5/1/08	N	pH measurement	7.68	unit-less	
699-97-48C	B1THT9	5/1/08	N	Potassium	2,540	µg/L	N
699-97-48C	B1THT8	5/1/08	Y	Potassium	2,650	µg/L	B
699-97-48C	B1THT8	5/1/08	Y	Silver	6	µg/L	U
699-97-48C	B1THT9	5/1/08	N	Silver	6	µg/L	U
699-97-48C	B1THT9	5/1/08	N	Sodium	4,950	µg/L	B
699-97-48C	B1THT8	5/1/08	Y	Sodium	5,160	µg/L	
699-97-48C	B1THV0	5/1/08	N	Specific conductance	292	µS/cm	
699-97-48C	B1THT8	5/1/08	Y	Strontium	236	µg/L	
699-97-48C	B1THT9	5/1/08	N	Strontium	237	µg/L	
699-97-48C	B1VC23	5/1/08	N	Sulfate	33,900	µg/L	D
699-97-48C	B1THV0	5/1/08	N	Temperature	19.1	°C	
699-97-48C	B1VC19	5/1/08	N	Tritium	481	pCi/L	
699-97-48C	B1THV0	5/1/08	N	Turbidity	1.31	NTU	
699-97-48C	B1THT9	5/1/08	N	Vanadium	12.6	µg/L	B
699-97-48C	B1THT8	5/1/08	Y	Vanadium	13.5	µg/L	B
699-97-48C	B1THT8	5/1/08	Y	Zinc	15.6	µg/L	B
699-97-48C	B1THT9	5/1/08	N	Zinc	37.5	µg/L	
699-97-48B	B1THT5	5/1/08	Y	Antimony	4	µg/L	U
699-97-48B	B1THT6	5/1/08	N	Antimony	4	µg/L	U
699-97-48B	B1THT5	5/1/08	Y	Barium	55.1	µg/L	B
699-97-48B	B1THT6	5/1/08	N	Barium	63.5	µg/L	B
699-97-48B	B1THT5	5/1/08	Y	Beryllium	0.5	µg/L	U
699-97-48B	B1THT6	5/1/08	N	Beryllium	0.5	µg/L	U

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-48B	B1THT5	5/1/08	Y	Cadmium	0.45	µg/L	U
699-97-48B	B1THT6	5/1/08	N	Cadmium	0.45	µg/L	U
699-97-48B	B1THT5	5/1/08	Y	Calcium	38,800	µg/L	
699-97-48B	B1THT6	5/1/08	N	Calcium	45,100	µg/L	C
699-97-48B	B1VC22	5/1/08	N	Chloride	19,600	µg/L	D
699-97-48B	B1THT5	5/1/08	Y	Chromium	33.4	µg/L	
699-97-48B	B1THT6	5/1/08	N	Chromium	40.8	µg/L	
699-97-48B	B1THT5	5/1/08	Y	Cobalt	5.8	µg/L	B
699-97-48B	B1THT6	5/1/08	N	Cobalt	4	µg/L	U
699-97-48B	B1THT6	5/1/08	N	Copper	4.6	µg/L	U
699-97-48B	B1THT5	5/1/08	Y	Copper	4.6	µg/L	U
699-97-48B	B1VC22	5/1/08	N	Fluoride	250	µg/L	U
699-97-48B	B1VC18	5/1/08	N	Gross alpha	1.21	pCi/L	U
699-97-48B	B1VC18	5/1/08	N	Gross beta	4.76	pCi/L	
699-97-48B	B1TJ56	5/1/08	N	Hexavalent chromium	38	µg/L	
699-97-48B	B1THT5	5/1/08	Y	Iron	16	µg/L	U
699-97-48B	B1THT6	5/1/08	N	Iron	16	µg/L	U
699-97-48B	B1THT5	5/1/08	Y	Magnesium	8,850	µg/L	
699-97-48B	B1THT6	5/1/08	N	Magnesium	10,300	µg/L	
699-97-48B	B1THT5	5/1/08	Y	Manganese	8.5	µg/L	B
699-97-48B	B1THT6	5/1/08	N	Manganese	1.1	µg/L	B
699-97-48B	B1THT5	5/1/08	Y	Nickel	13.3	µg/L	U
699-97-48B	B1THT6	5/1/08	N	Nickel	13.3	µg/L	U
699-97-48B	B1VC22	5/1/08	N	Nitrate	16,300	µg/L	D
699-97-48B	B1VC22	5/1/08	N	Nitrite	2,500	µg/L	UD
699-97-48B	B1THT7	5/1/08	N	pH measurement	7.77	unit-less	
699-97-48B	B1THT5	5/1/08	Y	Potassium	5,680	µg/L	
699-97-48B	B1THT6	5/1/08	N	Potassium	6,030	µg/L	N
699-97-48B	B1THT5	5/1/08	Y	Silver	6	µg/L	U
699-97-48B	B1THT6	5/1/08	N	Silver	6	µg/L	U
699-97-48B	B1THT5	5/1/08	Y	Sodium	14,700	µg/L	
699-97-48B	B1THT6	5/1/08	N	Sodium	16,900	µg/L	
699-97-48B	B1THT7	5/1/08	N	Specific conductance	394	µS/cm	
699-97-48B	B1THT5	5/1/08	Y	Strontium	194	µg/L	
699-97-48B	B1THT6	5/1/08	N	Strontium	222	µg/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-48B	B1VC22	5/1/08	N	Sulfate	59,300	µg/L	D
699-97-48B	B1THT7	5/1/08	N	Temperature	19.4	°C	
699-97-48B	B1VC18	5/1/08	N	Tritium	2,150	pCi/L	
699-97-48B	B1THT7	5/1/08	N	Turbidity	0.75	NTU	
699-97-48B	B1THT6	5/1/08	N	Vanadium	10.3	µg/L	B
699-97-48B	B1THT5	5/1/08	Y	Vanadium	8.8	µg/L	B
699-97-48B	B1THT5	5/1/08	Y	Zinc	5.2	µg/L	U
699-97-48B	B1THT6	5/1/08	N	Zinc	5.2	µg/L	U
699-97-45B	B1THT3	4/25/08	N	Antimony	4	µg/L	U
699-97-45B	B1THT2	4/25/08	Y	Antimony	4	µg/L	U
699-97-45B	B1THT3	4/25/08	N	Barium	81.2	µg/L	B
699-97-45B	B1THT2	4/25/08	Y	Barium	83.3	µg/L	B
699-97-45B	B1THT3	4/25/08	N	Beryllium	0.5	µg/L	U
699-97-45B	B1THT2	4/25/08	Y	Beryllium	0.5	µg/L	U
699-97-45B	B1THT3	4/25/08	N	Cadmium	0.45	µg/L	U
699-97-45B	B1THT2	4/25/08	Y	Cadmium	0.45	µg/L	U
699-97-45B	B1THT3	4/25/08	N	Calcium	28,000	µg/L	
699-97-45B	B1THT2	4/25/08	Y	Calcium	28,100	µg/L	C
699-97-45B	B1VC17	4/25/08	N	Chloride	4,900	µg/L	D
699-97-45B	B1THT3	4/25/08	N	Chromium	3.1	µg/L	U
699-97-45B	B1THT2	4/25/08	Y	Chromium	3.1	µg/L	U
699-97-45B	B1THT3	4/25/08	N	Cobalt	4	µg/L	U
699-97-45B	B1THT2	4/25/08	Y	Cobalt	4	µg/L	U
699-97-45B	B1THT3	4/25/08	N	Copper	4.6	µg/L	U
699-97-45B	B1THT2	4/25/08	Y	Copper	4.6	µg/L	U
699-97-45B	B1VC17	4/25/08	N	Fluoride	350	µg/L	
699-97-45B	B1VC13	4/25/08	N	Gross alpha	1.15	pCi/L	U
699-97-45B	B1VC13	4/25/08	N	Gross beta	6.66	pCi/L	
699-97-45B	B1TJ55	4/25/08	N	Hexavalent chromium	7	µg/L	
699-97-45B	B1THT3	4/25/08	N	Iron	67.7	µg/L	B
699-97-45B	B1THT2	4/25/08	Y	Iron	46	µg/L	B
699-97-45B	B1THT3	4/25/08	N	Magnesium	7,290	µg/L	
699-97-45B	B1THT2	4/25/08	Y	Magnesium	7,450	µg/L	
699-97-45B	B1THT3	4/25/08	N	Manganese	602	µg/L	
699-97-45B	B1THT2	4/25/08	Y	Manganese	567	µg/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-45B	B1THT3	4/25/08	N	Nickel	13.3	µg/L	U
699-97-45B	B1THT2	4/25/08	Y	Nickel	13.3	µg/L	U
699-97-45B	B1VC17	4/25/08	N	Nitrate	860	µg/L	D
699-97-45B	B1VC17	4/25/08	N	Nitrite	250	µg/L	UD
699-97-45B	B1THT4	4/25/08	N	pH measurement	7.75	unit-less	
699-97-45B	B1THT3	4/25/08	N	Potassium	4,950	µg/L	B
699-97-45B	B1THT2	4/25/08	Y	Potassium	5,450	µg/L	
699-97-45B	B1THT3	4/25/08	N	Silver	6	µg/L	U
699-97-45B	B1THT2	4/25/08	Y	Silver	6	µg/L	U
699-97-45B	B1THT3	4/25/08	N	Sodium	5,960	µg/L	
699-97-45B	B1THT2	4/25/08	Y	Sodium	6,800	µg/L	
699-97-45B	B1THT4	4/25/08	N	Specific conductance	267	µS/cm	
699-97-45B	B1THT3	4/25/08	N	Strontium	205	µg/L	
699-97-45B	B1THT2	4/25/08	Y	Strontium	200	µg/L	
699-97-45B	B1VC17	4/25/08	N	Sulfate	19,100	µg/L	D
699-97-45B	B1THT4	4/25/08	N	Temperature	17.2	°C	
699-97-45B	B1VC13	4/25/08	N	Tritium	-67.8	pCi/L	U
699-97-45B	B1THT4	4/25/08	N	Turbidity	1.84	NTU	
699-97-45B	B1THT3	4/25/08	N	Vanadium	4.1	µg/L	U
699-97-45B	B1THT2	4/25/08	Y	Vanadium	4.1	µg/L	U
699-97-45B	B1THT2	4/25/08	Y	Zinc	5.2	µg/L	U
699-97-45B	B1THT3	4/25/08	N	Zinc	12	µg/L	B
699-97-45	B1THW9	4/25/08	Y	Antimony	4	µg/L	U
699-97-45	B1THX0	4/25/08	N	Antimony	4	µg/L	U
699-97-45	B1THW9	4/25/08	Y	Barium	50.2	µg/L	B
699-97-45	B1THX0	4/25/08	N	Barium	51.7	µg/L	B
699-97-45	B1THW9	4/25/08	Y	Beryllium	0.5	µg/L	U
699-97-45	B1THX0	4/25/08	N	Beryllium	0.5	µg/L	U
699-97-45	B1THW9	4/25/08	Y	Cadmium	0.45	µg/L	U
699-97-45	B1THX0	4/25/08	N	Cadmium	0.45	µg/L	U
699-97-45	B1THW9	4/25/08	Y	Calcium	46,300	µg/L	C
699-97-45	B1THX0	4/25/08	N	Calcium	47,500	µg/L	
699-97-45	B1VC16	4/25/08	N	Chloride	16,300	µg/L	D
699-97-45	B1THW9	4/25/08	Y	Chromium	63.9	µg/L	
699-97-45	B1THX0	4/25/08	N	Chromium	65.7	µg/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-45	B1THW9	4/25/08	Y	Cobalt	4	µg/L	U
699-97-45	B1THX0	4/25/08	N	Cobalt	4	µg/L	U
699-97-45	B1THW9	4/25/08	Y	Copper	4.6	µg/L	U
699-97-45	B1THX0	4/25/08	N	Copper	4.6	µg/L	U
699-97-45	B1VC16	4/25/08	N	Fluoride	250	µg/L	U
699-97-45	B1VC12	4/25/08	N	Gross alpha	0.792	pCi/L	U
699-97-45	B1VC12	4/25/08	N	Gross beta	5.36	pCi/L	
699-97-45	B1TJ54	4/25/08	N	Hexavalent chromium	68	µg/L	
699-97-45	B1THW9	4/25/08	Y	Iron	16	µg/L	U
699-97-45	B1THX0	4/25/08	N	Iron	16	µg/L	U
699-97-45	B1THW9	4/25/08	Y	Magnesium	10,800	µg/L	
699-97-45	B1THX0	4/25/08	N	Magnesium	10,900	µg/L	
699-97-45	B1THW9	4/25/08	Y	Manganese	5.5	µg/L	B
699-97-45	B1THX0	4/25/08	N	Manganese	3.9	µg/L	B
699-97-45	B1THW9	4/25/08	Y	Nickel	13.3	µg/L	U
699-97-45	B1THX0	4/25/08	N	Nickel	13.3	µg/L	U
699-97-45	B1VC16	4/25/08	N	Nitrate	21,600	µg/L	D
699-97-45	B1VC16	4/25/08	N	Nitrite	1,250	µg/L	UD
699-97-45	B1THX1	4/25/08	N	pH measurement	7.72	unit-less	
699-97-45	B1THW9	4/25/08	Y	Potassium	6,830	µg/L	
699-97-45	B1THX0	4/25/08	N	Potassium	5,700	µg/L	
699-97-45	B1THW9	4/25/08	Y	Silver	6	µg/L	U
699-97-45	B1THX0	4/25/08	N	Silver	6	µg/L	U
699-97-45	B1THW9	4/25/08	Y	Sodium	22,300	µg/L	
699-97-45	B1THX0	4/25/08	N	Sodium	21,600	µg/L	
699-97-45	B1THX1	4/25/08	N	Specific conductance	368	µS/cm	
699-97-45	B1THW9	4/25/08	Y	Strontium	239	µg/L	
699-97-45	B1THX0	4/25/08	N	Strontium	250	µg/L	
699-97-45	B1VC16	4/25/08	N	Sulfate	62,700	µg/L	D
699-97-45	B1THX1	4/25/08	N	Temperature	17	°C	
699-97-45	B1VC12	4/25/08	N	Tritium	3,830	pCi/L	
699-97-45	B1THX1	4/25/08	N	Turbidity	5.89	NTU	
699-97-45	B1THX0	4/25/08	N	Vanadium	4.1	µg/L	U
699-97-45	B1THW9	4/25/08	Y	Vanadium	4.1	µg/L	U
699-97-45	B1THW9	4/25/08	Y	Zinc	5.2	µg/L	U

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-45	B1THX0	4/25/08	N	Zinc	5.2	µg/L	U
699-97-43C	B1TJ24	4/25/08	N	Antimony	4	µg/L	U
699-97-43C	B1TJ23	4/25/08	Y	Antimony	4	µg/L	U
699-97-43C	B1TJ23	4/25/08	Y	Barium	78.5	µg/L	B
699-97-43C	B1TJ24	4/25/08	N	Barium	67.9	µg/L	B
699-97-43C	B1TJ24	4/25/08	N	Beryllium	0.5	µg/L	U
699-97-43C	B1TJ23	4/25/08	Y	Beryllium	0.5	µg/L	U
699-97-43C	B1TJ23	4/25/08	Y	Cadmium	0.45	µg/L	U
699-97-43C	B1TJ24	4/25/08	N	Cadmium	0.45	µg/L	U
699-97-43C	B1TJ24	4/25/08	N	Calcium	26,700	µg/L	
699-97-43C	B1TJ23	4/25/08	Y	Calcium	30,700	µg/L	C
699-97-43C	B1VC15	4/25/08	N	Chloride	15,600	µg/L	D
699-97-43C	B1TJ23	4/25/08	Y	Chromium	3.1	µg/L	U
699-97-43C	B1TJ24	4/25/08	N	Chromium	3.1	µg/L	U
699-97-43C	B1TJ24	4/25/08	N	Cobalt	4	µg/L	U
699-97-43C	B1TJ23	4/25/08	Y	Cobalt	4	µg/L	U
699-97-43C	B1TJ23	4/25/08	Y	Copper	4.6	µg/L	U
699-97-43C	B1TJ24	4/25/08	N	Copper	4.6	µg/L	U
699-97-43C	B1VC15	4/25/08	N	Fluoride	250	µg/L	U
699-97-43C	B1VC11	4/25/08	N	Gross alpha	0.797	pCi/L	U
699-97-43C	B1VC11	4/25/08	N	Gross beta	4.7	pCi/L	
699-97-43C	B1TJ53	4/25/08	N	Hexavalent chromium	2	µg/L	U
699-97-43C	B1TJ23	4/25/08	Y	Iron	682	µg/L	
699-97-43C	B1TJ24	4/25/08	N	Iron	612	µg/L	
699-97-43C	B1TJ23	4/25/08	Y	Magnesium	10,100	µg/L	
699-97-43C	B1TJ24	4/25/08	N	Magnesium	8,760	µg/L	
699-97-43C	B1TJ23	4/25/08	Y	Manganese	209	µg/L	
699-97-43C	B1TJ24	4/25/08	N	Manganese	172	µg/L	
699-97-43C	B1TJ23	4/25/08	Y	Nickel	13.3	µg/L	U
699-97-43C	B1TJ24	4/25/08	N	Nickel	13.3	µg/L	U
699-97-43C	B1VC15	4/25/08	N	Nitrate	18,300	µg/L	D
699-97-43C	B1VC15	4/25/08	N	Nitrite	1,250	µg/L	UD
699-97-43C	B1TJ25	4/25/08	N	pH measurement	7.9	unit-less	
699-97-43C	B1TJ24	4/25/08	N	Potassium	4,900	µg/L	B
699-97-43C	B1TJ23	4/25/08	Y	Potassium	4,290	µg/L	B

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-43C	B1TJ23	4/25/08	Y	Silver	6	µg/L	U
699-97-43C	B1TJ24	4/25/08	N	Silver	6	µg/L	U
699-97-43C	B1TJ24	4/25/08	N	Sodium	5,410	µg/L	
699-97-43C	B1TJ23	4/25/08	Y	Sodium	6,650	µg/L	
699-97-43C	B1TJ25	4/25/08	N	Specific conductance	285	µS/cm	
699-97-43C	B1TJ23	4/25/08	Y	Strontium	199	µg/L	
699-97-43C	B1TJ24	4/25/08	N	Strontium	175	µg/L	
699-97-43C	B1VC15	4/25/08	N	Sulfate	56,000	µg/L	D
699-97-43C	B1TJ25	4/25/08	N	Temperature	17.4	°C	
699-97-43C	B1VC11	4/25/08	N	Tritium	-95.8	pCi/L	U
699-97-43C	B1TJ25	4/25/08	N	Turbidity	0.82	NTU	
699-97-43C	B1TJ24	4/25/08	N	Vanadium	17.4	µg/L	B
699-97-43C	B1TJ23	4/25/08	Y	Vanadium	18.6	µg/L	B
699-97-43C	B1TJ23	4/25/08	Y	Zinc	9.8	µg/L	B
699-97-43C	B1TJ24	4/25/08	N	Zinc	5.2	µg/L	U
699-97-43B	B1TJ21	4/25/08	N	Antimony	4	µg/L	U
699-97-43B	B1TJ20	4/25/08	Y	Antimony	4	µg/L	U
699-97-43B	B1TJ20	4/25/08	Y	Barium	57.1	µg/L	B
699-97-43B	B1TJ21	4/25/08	N	Barium	56.9	µg/L	B
699-97-43B	B1TJ21	4/25/08	N	Beryllium	0.5	µg/L	U
699-97-43B	B1TJ20	4/25/08	Y	Beryllium	0.5	µg/L	U
699-97-43B	B1TJ20	4/25/08	Y	Cadmium	0.45	µg/L	U
699-97-43B	B1TJ21	4/25/08	N	Cadmium	0.45	µg/L	U
699-97-43B	B1TJ21	4/25/08	N	Calcium	45,500	µg/L	
699-97-43B	B1TJ20	4/25/08	Y	Calcium	46,000	µg/L	C
699-97-43B	B1VC14	4/25/08	N	Chloride	6,720	µg/L	D
699-97-43B	B1TJ20	4/25/08	Y	Chromium	94.5	µg/L	
699-97-43B	B1TJ21	4/25/08	N	Chromium	93.8	µg/L	
699-97-43B	B1TJ21	4/25/08	N	Cobalt	4	µg/L	U
699-97-43B	B1TJ20	4/25/08	Y	Cobalt	4	µg/L	U
699-97-43B	B1TJ20	4/25/08	Y	Copper	4.6	µg/L	U
699-97-43B	B1TJ21	4/25/08	N	Copper	4.6	µg/L	U
699-97-43B	B1VC14	4/25/08	N	Fluoride	250	µg/L	U
699-97-43B	B1VC10	4/25/08	N	Gross alpha	1.88	pCi/L	
699-97-43B	B1VC10	4/25/08	N	Gross beta	8	pCi/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-43B	B1TJ52	4/25/08	N	Hexavalent chromium	99	µg/L	
699-97-43B	B1TJ20	4/25/08	Y	Iron	16	µg/L	U
699-97-43B	B1TJ21	4/25/08	N	Iron	19.1	µg/L	B
699-97-43B	B1TJ20	4/25/08	Y	Magnesium	10,800	µg/L	
699-97-43B	B1TJ21	4/25/08	N	Magnesium	10,600	µg/L	
699-97-43B	B1TJ20	4/25/08	Y	Manganese	5.2	µg/L	B
699-97-43B	B1TJ21	4/25/08	N	Manganese	2.9	µg/L	B
699-97-43B	B1TJ20	4/25/08	Y	Nickel	13.3	µg/L	U
699-97-43B	B1TJ21	4/25/08	N	Nickel	13.3	µg/L	U
699-97-43B	B1VC14	4/25/08	N	Nitrate	2,840	µg/L	D
699-97-43B	B1VC14	4/25/08	N	Nitrite	250	µg/L	UD
699-97-43B	B1TJ22	4/25/08	N	pH measurement	7.87	unit-less	
699-97-43B	B1TJ21	4/25/08	N	Potassium	6,410	µg/L	
699-97-43B	B1TJ20	4/25/08	Y	Potassium	6,280	µg/L	
699-97-43B	B1TJ20	4/25/08	Y	Silver	6	µg/L	U
699-97-43B	B1TJ21	4/25/08	N	Silver	6	µg/L	U
699-97-43B	B1TJ21	4/25/08	N	Sodium	22,600	µg/L	
699-97-43B	B1TJ20	4/25/08	Y	Sodium	23,700	µg/L	
699-97-43B	B1TJ22	4/25/08	N	Specific conductance	434	µS/cm	
699-97-43B	B1TJ20	4/25/08	Y	Strontium	248	µg/L	
699-97-43B	B1TJ21	4/25/08	N	Strontium	251	µg/L	
699-97-43B	B1VC14	4/25/08	N	Sulfate	33,000	µg/L	D
699-97-43B	B1TJ22	4/25/08	N	Temperature	16.8	°C	
699-97-43B	B1VC10	4/25/08	N	Tritium	5,030	pCi/L	
699-97-43B	B1TJ22	4/25/08	N	Turbidity	1.59	NTU	
699-97-43B	B1TJ21	4/25/08	N	Vanadium	4.2	µg/L	B
699-97-43B	B1TJ20	4/25/08	Y	Vanadium	4.1	µg/L	U
699-97-43B	B1TJ20	4/25/08	Y	Zinc	5.2	µg/L	U
699-97-43B	B1TJ21	4/25/08	N	Zinc	5.2	µg/L	U
699-97-41	B1TJ18	4/25/08	N	Antimony	4	µg/L	U
699-97-41	B1TJ17	4/25/08	Y	Antimony	4	µg/L	U
699-97-41	B1TJ18	4/25/08	N	Barium	41.5	µg/L	B
699-97-41	B1TJ17	4/25/08	Y	Barium	38.2	µg/L	B
699-97-41	B1TJ18	4/25/08	N	Beryllium	0.5	µg/L	U
699-97-41	B1TJ17	4/25/08	Y	Beryllium	0.5	µg/L	U

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-41	B1TJ18	4/25/08	N	Cadmium	0.45	µg/L	U
699-97-41	B1TJ17	4/25/08	Y	Cadmium	0.45	µg/L	U
699-97-41	B1TJ18	4/25/08	N	Calcium	51,500	µg/L	D
699-97-41	B1TJ17	4/25/08	Y	Calcium	49,100	µg/L	C
699-97-41	B1VC09	4/25/08	N	Chloride	21,700	µg/L	D
699-97-41	B1TJ17	4/25/08	Y	Chromium	73.5	µg/L	
699-97-41	B1TJ18	4/25/08	N	Chromium	80.4	µg/L	
699-97-41	B1TJ18	4/25/08	N	Cobalt	4	µg/L	U
699-97-41	B1TJ17	4/25/08	Y	Cobalt	4	µg/L	U
699-97-41	B1TJ18	4/25/08	N	Copper	4.6	µg/L	U
699-97-41	B1TJ17	4/25/08	Y	Copper	4.6	µg/L	U
699-97-41	B1VC09	4/25/08	N	Fluoride	250	µg/L	U
699-97-41	B1VC06	4/25/08	N	Gross alpha	2.19	pCi/L	
699-97-41	B1VC06	4/25/08	N	Gross beta	9.03	pCi/L	
699-97-41	B1TJ51	4/25/08	N	Hexavalent chromium	83	µg/L	
699-97-41	B1TJ17	4/25/08	Y	Iron	16	µg/L	U
699-97-41	B1TJ18	4/25/08	N	Iron	69.1	µg/L	B
699-97-41	B1TJ18	4/25/08	N	Magnesium	14,200	µg/L	
699-97-41	B1TJ17	4/25/08	Y	Magnesium	13,200	µg/L	
699-97-41	B1TJ18	4/25/08	N	Manganese	2.8	µg/L	B
699-97-41	B1TJ17	4/25/08	Y	Manganese	2.6	µg/L	B
699-97-41	B1TJ17	4/25/08	Y	Nickel	13.3	µg/L	U
699-97-41	B1TJ18	4/25/08	N	Nickel	13.3	µg/L	U
699-97-41	B1VC09	4/25/08	N	Nitrate	30,400	µg/L	D
699-97-41	B1VC09	4/25/08	N	Nitrite	1,250	µg/L	UD
699-97-41	B1TJ19	4/25/08	N	pH measurement	7.7	unit-less	
699-97-41	B1TJ17	4/25/08	Y	Potassium	6,550	µg/L	
699-97-41	B1TJ18	4/25/08	N	Potassium	7,230	µg/L	
699-97-41	B1TJ18	4/25/08	N	Silver	6	µg/L	U
699-97-41	B1TJ17	4/25/08	Y	Silver	6	µg/L	U
699-97-41	B1TJ18	4/25/08	N	Sodium	23,800	µg/L	
699-97-41	B1TJ17	4/25/08	Y	Sodium	23,500	µg/L	
699-97-41	B1TJ19	4/25/08	N	Specific conductance	505	µS/cm	
699-97-41	B1TJ18	4/25/08	N	Strontium	309	µg/L	D
699-97-41	B1TJ17	4/25/08	Y	Strontium	291	µg/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-41	B1VC09	4/25/08	N	Sulfate	67,600	µg/L	D
699-97-41	B1TJ19	4/25/08	N	Temperature	17.2	°C	
699-97-41	B1VC06	4/25/08	N	Tritium	3,950	pCi/L	
699-97-41	B1TJ19	4/25/08	N	Turbidity	1.29	NTU	
699-97-41	B1TJ17	4/25/08	Y	Vanadium	6.3	µg/L	B
699-97-41	B1TJ18	4/25/08	N	Vanadium	7.8	µg/L	B
699-97-41	B1TJ18	4/25/08	N	Zinc	5.2	µg/L	U
699-97-41	B1TJ17	4/25/08	Y	Zinc	5.2	µg/L	U
699-96-52B	B1TJ15	4/25/08	N	Antimony	4	µg/L	U
699-96-52B	B1TJ14	4/25/08	Y	Antimony	4	µg/L	U
699-96-52B	B1TJ15	4/25/08	N	Barium	56.5	µg/L	B
699-96-52B	B1TJ14	4/25/08	Y	Barium	53	µg/L	B
699-96-52B	B1TJ15	4/25/08	N	Beryllium	0.5	µg/L	U
699-96-52B	B1TJ14	4/25/08	Y	Beryllium	0.5	µg/L	U
699-96-52B	B1TJ15	4/25/08	N	Cadmium	0.45	µg/L	U
699-96-52B	B1TJ14	4/25/08	Y	Cadmium	0.45	µg/L	U
699-96-52B	B1TJ15	4/25/08	N	Calcium	59,500	µg/L	D
699-96-52B	B1TJ14	4/25/08	Y	Calcium	59,000	µg/L	CD
699-96-52B	B1VC08	4/25/08	N	Chloride	24,400	µg/L	D
699-96-52B	B1TJ15	4/25/08	N	Chromium	62.3	µg/L	
699-96-52B	B1TJ14	4/25/08	Y	Chromium	57.5	µg/L	
699-96-52B	B1TJ15	4/25/08	N	Cobalt	4	µg/L	U
699-96-52B	B1TJ14	4/25/08	Y	Cobalt	4	µg/L	U
699-96-52B	B1TJ15	4/25/08	N	Copper	4.6	µg/L	U
699-96-52B	B1TJ14	4/25/08	Y	Copper	4.6	µg/L	U
699-96-52B	B1VC08	4/25/08	N	Fluoride	250	µg/L	U
699-96-52B	B1VC05	4/25/08	N	Gross alpha	1.01	pCi/L	U
699-96-52B	B1VC05	4/25/08	N	Gross beta	7.76	pCi/L	
699-96-52B	B1TJ50	4/25/08	N	Hexavalent chromium	56	µg/L	
699-96-52B	B1TJ15	4/25/08	N	Iron	151	µg/L	
699-96-52B	B1TJ14	4/25/08	Y	Iron	16	µg/L	U
699-96-52B	B1TJ15	4/25/08	N	Magnesium	9,230	µg/L	
699-96-52B	B1TJ14	4/25/08	Y	Magnesium	8,880	µg/L	
699-96-52B	B1TJ15	4/25/08	N	Manganese	3.9	µg/L	B
699-96-52B	B1TJ14	4/25/08	Y	Manganese	1.6	µg/L	B

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-96-52B	B1TJ15	4/25/08	N	Nickel	13.3	µg/L	U
699-96-52B	B1TJ14	4/25/08	Y	Nickel	13.3	µg/L	U
699-96-52B	B1VC08	4/25/08	N	Nitrate	31,000	µg/L	D
699-96-52B	B1VC08	4/25/08	N	Nitrite	1,250	µg/L	UD
699-96-52B	B1TJ16	4/25/08	N	pH measurement	7.61	unit-less	
699-96-52B	B1TJ15	4/25/08	N	Potassium	6,110	µg/L	
699-96-52B	B1TJ14	4/25/08	Y	Potassium	6,570	µg/L	
699-96-52B	B1TJ15	4/25/08	N	Silver	6	µg/L	U
699-96-52B	B1TJ14	4/25/08	Y	Silver	6	µg/L	U
699-96-52B	B1TJ15	4/25/08	N	Sodium	7,750	µg/L	
699-96-52B	B1TJ14	4/25/08	Y	Sodium	7,870	µg/L	
699-96-52B	B1TJ16	4/25/08	N	Specific conductance	452	µS/cm	
699-96-52B	B1TJ15	4/25/08	N	Strontium	282	µg/L	D
699-96-52B	B1TJ14	4/25/08	Y	Strontium	272	µg/L	D
699-96-52B	B1VC08	4/25/08	N	Sulfate	70,300	µg/L	D
699-96-52B	B1TJ16	4/25/08	N	Temperature	14.9	°C	
699-96-52B	B1VC05	4/25/08	N	Tritium	1,940	pCi/L	
699-96-52B	B1TJ16	4/25/08	N	Turbidity	4.76	NTU	
699-96-52B	B1TJ15	4/25/08	N	Vanadium	5.7	µg/L	B
699-96-52B	B1TJ14	4/25/08	Y	Vanadium	4.4	µg/L	B
699-96-52B	B1TJ14	4/25/08	Y	Zinc	5.2	µg/L	U
699-96-52B	B1TJ15	4/25/08	N	Zinc	5.2	µg/L	U
699-95-51	B1THV8	4/25/08	N	Antimony	4	µg/L	U
699-95-51	B1THV7	4/25/08	Y	Antimony	4	µg/L	U
699-95-51	B1THV7	4/25/08	Y	Barium	39.2	µg/L	B
699-95-51	B1THV8	4/25/08	N	Barium	42.9	µg/L	B
699-95-51	B1THV8	4/25/08	N	Beryllium	0.5	µg/L	U
699-95-51	B1THV7	4/25/08	Y	Beryllium	0.5	µg/L	U
699-95-51	B1THV7	4/25/08	Y	Cadmium	0.45	µg/L	U
699-95-51	B1THV8	4/25/08	N	Cadmium	0.45	µg/L	U
699-95-51	B1THV8	4/25/08	N	Calcium	61,900	µg/L	D
699-95-51	B1THV7	4/25/08	Y	Calcium	58700	µg/L	CD
699-95-51	B1VC30	4/25/08	N	Chloride	26,400	µg/L	D
699-95-51	B1THV8	4/25/08	N	Chromium	25.8	µg/L	
699-95-51	B1THV7	4/25/08	Y	Chromium	19.3	µg/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-51	B1THV8	4/25/08	N	Cobalt	4	µg/L	U
699-95-51	B1THV7	4/25/08	Y	Cobalt	4	µg/L	U
699-95-51	B1THV7	4/25/08	Y	Copper	4.6	µg/L	U
699-95-51	B1THV8	4/25/08	N	Copper	4.6	µg/L	U
699-95-51	B1VC30	4/25/08	N	Fluoride	250	µg/L	U
699-95-51	B1VC26	4/25/08	N	Gross alpha	1.08	pCi/L	U
699-95-51	B1VC26	4/25/08	N	Gross beta	5.99	pCi/L	
699-95-51	B1TJ60	4/25/08	N	Hexavalent chromium	23	µg/L	
699-95-51	B1THV7	4/25/08	Y	Iron	16	µg/L	U
699-95-51	B1THV8	4/25/08	N	Iron	204	µg/L	
699-95-51	B1THV8	4/25/08	N	Magnesium	12,100	µg/L	
699-95-51	B1THV7	4/25/08	Y	Magnesium	11,500	µg/L	
699-95-51	B1THV7	4/25/08	Y	Manganese	0.96	µg/L	U
699-95-51	B1THV8	4/25/08	N	Manganese	3.7	µg/L	B
699-95-51	B1THV8	4/25/08	N	Nickel	13.3	µg/L	U
699-95-51	B1THV7	4/25/08	Y	Nickel	13.3	µg/L	U
699-95-51	B1VC30	4/25/08	N	Nitrate	19,600	µg/L	D
699-95-51	B1VC30	4/25/08	N	Nitrite	2,500	µg/L	UD
699-95-51	B1THV9	4/25/08	N	pH measurement	7.82	unit-less	
699-95-51	B1THV7	4/25/08	Y	Potassium	7,400	µg/L	
699-95-51	B1THV8	4/25/08	N	Potassium	8,000	µg/L	
699-95-51	B1THV8	4/25/08	N	Silver	6	µg/L	U
699-95-51	B1THV7	4/25/08	Y	Silver	6	µg/L	U
699-95-51	B1THV7	4/25/08	Y	Sodium	13,900	µg/L	
699-95-51	B1THV8	4/25/08	N	Sodium	13,800	µg/L	
699-95-51	B1THV9	4/25/08	N	Specific conductance	494	µS/cm	
699-95-51	B1THV8	4/25/08	N	Strontium	323	µg/L	D
699-95-51	B1THV7	4/25/08	Y	Strontium	314	µg/L	D
699-95-51	B1VC30	4/25/08	N	Sulfate	92,800	µg/L	D
699-95-51	B1THV9	4/25/08	N	Temperature	20.6	°C	
699-95-51	B1VC26	4/25/08	N	Tritium	1,390	pCi/L	
699-95-51	B1THV9	4/25/08	N	Turbidity	4.23	NTU	
699-95-51	B1THV7	4/25/08	Y	Vanadium	7.8	µg/L	B
699-95-51	B1THV8	4/25/08	N	Vanadium	8.8	µg/L	B
699-95-51	B1THV8	4/25/08	N	Zinc	5.2	µg/L	U

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-51	B1THV7	4/25/08	Y	Zinc	5.2	µg/L	U
699-95-48	B1TJ09	4/24/08	N	Antimony	4	µg/L	U
699-95-48	B1TJ08	4/24/08	Y	Antimony	4	µg/L	U
699-95-48	B1TJ08	4/24/08	Y	Barium	33.6	µg/L	B
699-95-48	B1TJ09	4/24/08	N	Barium	34.1	µg/L	B
699-95-48	B1TJ09	4/24/08	N	Beryllium	0.5	µg/L	U
699-95-48	B1TJ08	4/24/08	Y	Beryllium	0.5	µg/L	U
699-95-48	B1TJ08	4/24/08	Y	Cadmium	0.45	µg/L	U
699-95-48	B1TJ09	4/24/08	N	Cadmium	0.45	µg/L	U
699-95-48	B1TJ09	4/24/08	N	Calcium	38,500	µg/L	
699-95-48	B1TJ08	4/24/08	Y	Calcium	36,600	µg/L	C
699-95-48	B1VC03	4/24/08	N	Chloride	12,000	µg/L	D
699-95-48	B1TJ08	4/24/08	Y	Chromium	32.3	µg/L	
699-95-48	B1TJ09	4/24/08	N	Chromium	32.9	µg/L	
699-95-48	B1TJ09	4/24/08	N	Cobalt	4	µg/L	U
699-95-48	B1TJ08	4/24/08	Y	Cobalt	4	µg/L	U
699-95-48	B1TJ08	4/24/08	Y	Copper	4.6	µg/L	U
699-95-48	B1TJ09	4/24/08	N	Copper	4.6	µg/L	U
699-95-48	B1VC03	4/24/08	N	Fluoride	300	µg/L	
699-95-48	B1VC02	4/24/08	N	Gross alpha	1.77	pCi/L	U
699-95-48	B1VC02	4/24/08	N	Gross beta	5.91	pCi/L	
699-95-48	B1TJ48	4/24/08	N	Hexavalent chromium	36	µg/L	
699-95-48	B1TJ08	4/24/08	Y	Iron	16	µg/L	U
699-95-48	B1TJ09	4/24/08	N	Iron	16	µg/L	U
699-95-48	B1TJ08	4/24/08	Y	Magnesium	10,400	µg/L	
699-95-48	B1TJ09	4/24/08	N	Magnesium	10,900	µg/L	
699-95-48	B1TJ08	4/24/08	Y	Manganese	17.6	µg/L	C
699-95-48	B1TJ09	4/24/08	N	Manganese	15.2	µg/L	
699-95-48	B1TJ08	4/24/08	Y	Nickel	13.3	µg/L	U
699-95-48	B1TJ09	4/24/08	N	Nickel	13.3	µg/L	U
699-95-48	B1VC03	4/24/08	N	Nitrate	10,400	µg/L	D
699-95-48	B1VC03	4/24/08	N	Nitrite	2500	µg/L	UD
699-95-48	B1TJ10	4/24/08	N	pH measurement	7.84	unit-less	
699-95-48	B1TJ09	4/24/08	N	Potassium	3,500	µg/L	B
699-95-48	B1TJ08	4/24/08	Y	Potassium	4,610	µg/L	B

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-48	B1TJ08	4/24/08	Y	Silver	6	µg/L	U
699-95-48	B1TJ09	4/24/08	N	Silver	6	µg/L	U
699-95-48	B1TJ09	4/24/08	N	Sodium	22,800	µg/L	
699-95-48	B1TJ08	4/24/08	Y	Sodium	22,600	µg/L	
699-95-48	B1TJ10	4/24/08	N	Specific conductance	394	µS/cm	
699-95-48	B1TJ08	4/24/08	Y	Strontium	234	µg/L	
699-95-48	B1TJ09	4/24/08	N	Strontium	238	µg/L	
699-95-48	B1VC03	4/24/08	N	Sulfate	50,500	µg/L	D
699-95-48	B1TJ10	4/24/08	N	Temperature	17.6	°C	
699-95-48	B1VC02	4/24/08	N	Tritium	2,800	pCi/L	
699-95-48	B1TJ10	4/24/08	N	Turbidity	1.26	NTU	
699-95-48	B1TJ09	4/24/08	N	Vanadium	13	µg/L	B
699-95-48	B1TJ08	4/24/08	Y	Vanadium	11.7	µg/L	B
699-95-48	B1TJ08	4/24/08	Y	Zinc	5.2	µg/L	U
699-95-48	B1TJ09	4/24/08	N	Zinc	5.2	µg/L	U
699-95-45	B1TJ06	4/25/08	N	Antimony	4	µg/L	U
699-95-45	B1TJ05	4/25/08	Y	Antimony	4	µg/L	U
699-95-45	B1TJ05	4/25/08	Y	Barium	52.2	µg/L	B
699-95-45	B1TJ06	4/25/08	N	Barium	44.8	µg/L	B
699-95-45	B1TJ06	4/25/08	N	Beryllium	0.5	µg/L	U
699-95-45	B1TJ05	4/25/08	Y	Beryllium	0.5	µg/L	U
699-95-45	B1TJ05	4/25/08	Y	Cadmium	0.45	µg/L	U
699-95-45	B1TJ06	4/25/08	N	Cadmium	0.45	µg/L	U
699-95-45	B1TJ06	4/25/08	N	Calcium	43,100	µg/L	D
699-95-45	B1TJ05	4/25/08	Y	Calcium	41,900	µg/L	CD
699-95-45	B1VC01	4/25/08	N	Chloride	16,800	µg/L	D
699-95-45	B1TJ06	4/25/08	N	Chromium	49.9	µg/L	
699-95-45	B1TJ05	4/25/08	Y	Chromium	55.9	µg/L	
699-95-45	B1TJ06	4/25/08	N	Cobalt	4	µg/L	U
699-95-45	B1TJ05	4/25/08	Y	Cobalt	4	µg/L	U
699-95-45	B1TJ06	4/25/08	N	Copper	4.6	µg/L	U
699-95-45	B1TJ05	4/25/08	Y	Copper	4.6	µg/L	U
699-95-45	B1VC01	4/25/08	N	Fluoride	250	µg/L	U
699-95-45	B1VC00	4/25/08	N	Gross alpha	0.97	pCi/L	U
699-95-45	B1VC00	4/25/08	N	Gross beta	6.27	pCi/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-45	B1TJ47	4/25/08	N	Hexavalent chromium	62	µg/L	
699-95-45	B1TJ05	4/25/08	Y	Iron	16	µg/L	U
699-95-45	B1TJ06	4/25/08	N	Iron	31.7	µg/L	B
699-95-45	B1TJ06	4/25/08	N	Magnesium	9,000	µg/L	
699-95-45	B1TJ05	4/25/08	Y	Magnesium	10,600	µg/L	
699-95-45	B1TJ05	4/25/08	Y	Manganese	1.1	µg/L	B
699-95-45	B1TJ06	4/25/08	N	Manganese	0.96	µg/L	U
699-95-45	B1TJ06	4/25/08	N	Nickel	13.3	µg/L	U
699-95-45	B1TJ05	4/25/08	Y	Nickel	13.3	µg/L	U
699-95-45	B1VC01	4/25/08	N	Nitrate	13,700	µg/L	D
699-95-45	B1VC01	4/25/08	N	Nitrite	1,250	µg/L	UD
699-95-45	B1TJ07	4/25/08	N	pH measurement	7.83	unit-less	
699-95-45	B1TJ05	4/25/08	Y	Potassium	7,330	µg/L	
699-95-45	B1TJ06	4/25/08	N	Potassium	6,640	µg/L	
699-95-45	B1TJ06	4/25/08	N	Silver	6	µg/L	U
699-95-45	B1TJ05	4/25/08	Y	Silver	6	µg/L	U
699-95-45	B1TJ05	4/25/08	Y	Sodium	23,600	µg/L	
699-95-45	B1TJ06	4/25/08	N	Sodium	21,300	µg/L	
699-95-45	B1TJ07	4/25/08	N	Specific conductance	422	µS/cm	
699-95-45	B1TJ05	4/25/08	Y	Strontium	262	µg/L	D
699-95-45	B1TJ06	4/25/08	N	Strontium	273	µg/L	D
699-95-45	B1VC01	4/25/08	N	Sulfate	46,500	µg/L	D
699-95-45	B1TJ07	4/25/08	N	Temperature	17.8	°C	
699-95-45	B1VC00	4/25/08	N	Tritium	4,780	pCi/L	
699-95-45	B1TJ07	4/25/08	N	Turbidity	0.9	NTU	
699-95-45	B1TJ06	4/25/08	N	Vanadium	5.7	µg/L	B
699-95-45	B1TJ05	4/25/08	Y	Vanadium	6.3	µg/L	B
699-95-45	B1TJ05	4/25/08	Y	Zinc	5.2	µg/L	U
699-95-45	B1TJ06	4/25/08	N	Zinc	5.2	µg/L	U
699-94-43	B1TJ03	4/25/08	N	Antimony	4	µg/L	U
699-94-43	B1TJ02	4/25/08	Y	Antimony	4	µg/L	U
699-94-43	B1TJ02	4/25/08	Y	Barium	75.7	µg/L	B
699-94-43	B1TJ03	4/25/08	N	Barium	64	µg/L	B
699-94-43	B1TJ03	4/25/08	N	Beryllium	0.5	µg/L	U
699-94-43	B1TJ02	4/25/08	Y	Beryllium	0.5	µg/L	U

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-94-43	B1TJ02	4/25/08	Y	Cadmium	0.45	µg/L	U
699-94-43	B1TJ03	4/25/08	N	Cadmium	0.45	µg/L	U
699-94-43	B1TJ03	4/25/08	N	Calcium	38,100	µg/L	
699-94-43	B1TJ02	4/25/08	Y	Calcium	45,200	µg/L	C
699-94-43	B1VBY9	4/25/08	N	Chloride	16,200	µg/L	D
699-94-43	B1TJ02	4/25/08	Y	Chromium	34.2	µg/L	
699-94-43	B1TJ03	4/25/08	N	Chromium	30.6	µg/L	
699-94-43	B1TJ03	4/25/08	N	Cobalt	4	µg/L	U
699-94-43	B1TJ02	4/25/08	Y	Cobalt	4	µg/L	U
699-94-43	B1TJ02	4/25/08	Y	Copper	4.6	µg/L	U
699-94-43	B1TJ03	4/25/08	N	Copper	4.6	µg/L	U
699-94-43	B1VBY9	4/25/08	N	Fluoride	250	µg/L	U
699-94-43	B1VBY8	4/25/08	N	Gross alpha	1.22	pCi/L	U
699-94-43	B1VBY8	4/25/08	N	Gross beta	8.44	pCi/L	
699-94-43	B1TJ46	4/25/08	N	Hexavalent chromium	41	µg/L	
699-94-43	B1TJ02	4/25/08	Y	Iron	16.4	µg/L	B
699-94-43	B1TJ03	4/25/08	N	Iron	72.5	µg/L	B
699-94-43	B1TJ02	4/25/08	Y	Magnesium	14,900	µg/L	
699-94-43	B1TJ03	4/25/08	N	Magnesium	12,500	µg/L	
699-94-43	B1TJ02	4/25/08	Y	Manganese	8	µg/L	B
699-94-43	B1TJ03	4/25/08	N	Manganese	6.3	µg/L	B
699-94-43	B1TJ02	4/25/08	Y	Nickel	13.3	µg/L	U
699-94-43	B1TJ03	4/25/08	N	Nickel	13.3	µg/L	U
699-94-43	B1VBY9	4/25/08	N	Nitrate	24,300	µg/L	D
699-94-43	B1VBY9	4/25/08	N	Nitrite	1,250	µg/L	UD
699-94-43	B1TJ04	4/25/08	N	pH measurement	7.42	unit-less	
699-94-43	B1TJ02	4/25/08	Y	Potassium	6,610	µg/L	
699-94-43	B1TJ03	4/25/08	N	Potassium	6,820	µg/L	
699-94-43	B1TJ02	4/25/08	Y	Silver	6	µg/L	U
699-94-43	B1TJ03	4/25/08	N	Silver	6	µg/L	U
699-94-43	B1TJ02	4/25/08	Y	Sodium	32,800	µg/L	
699-94-43	B1TJ03	4/25/08	N	Sodium	28,300	µg/L	
699-94-43	B1TJ04	4/25/08	N	Specific conductance	352	µS/cm	
699-94-43	B1TJ03	4/25/08	N	Strontium	312	µg/L	
699-94-43	B1TJ02	4/25/08	Y	Strontium	362	µg/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-94-43	B1VBY9	4/25/08	N	Sulfate	59,200	µg/L	D
699-94-43	B1TJ04	4/25/08	N	Temperature	18.3	°C	
699-94-43	B1VBY8	4/25/08	N	Tritium	4,410	pCi/L	
699-94-43	B1TJ04	4/25/08	N	Turbidity	1.16	NTU	
699-94-43	B1TJ03	4/25/08	N	Vanadium	4.6	µg/L	B
699-94-43	B1TJ02	4/25/08	Y	Vanadium	5.9	µg/L	B
699-94-43	B1TJ02	4/25/08	Y	Zinc	5.2	µg/L	U
699-94-43	B1TJ03	4/25/08	N	Zinc	5.2	µg/L	U
699-94-41	B1TJ00	4/24/08	N	Antimony	4	µg/L	U
699-94-41	B1THY9	4/24/08	Y	Antimony	4	µg/L	U
699-94-41	B1THY9	4/24/08	Y	Barium	31.7	µg/L	B
699-94-41	B1TJ00	4/24/08	N	Barium	35.2	µg/L	B
699-94-41	B1THY9	4/24/08	Y	Beryllium	0.5	µg/L	U
699-94-41	B1TJ00	4/24/08	N	Beryllium	0.5	µg/L	U
699-94-41	B1TJ00	4/24/08	N	Cadmium	0.45	µg/L	U
699-94-41	B1THY9	4/24/08	Y	Cadmium	0.45	µg/L	U
699-94-41	B1THY9	4/24/08	Y	Calcium	39,700	µg/L	C
699-94-41	B1TJ00	4/24/08	N	Calcium	44,500	µg/L	
699-94-41	B1VBY7	4/24/08	N	Chloride	12,900	µg/L	D
699-94-41	B1TJ00	4/24/08	N	Chromium	16.9	µg/L	
699-94-41	B1THY9	4/24/08	Y	Chromium	15.1	µg/L	
699-94-41	B1THY9	4/24/08	Y	Cobalt	4	µg/L	U
699-94-41	B1TJ00	4/24/08	N	Cobalt	4	µg/L	U
699-94-41	B1THY9	4/24/08	Y	Copper	4.6	µg/L	U
699-94-41	B1TJ00	4/24/08	N	Copper	4.6	µg/L	U
699-94-41	B1VBY7	4/24/08	N	Fluoride	310	µg/L	
699-94-41	B1TJ43	4/24/08	N	Gross alpha	1.1	pCi/L	U
699-94-41	B1TJ43	4/24/08	N	Gross beta	7.5	pCi/L	
699-94-41	B1TJ45	4/24/08	N	Hexavalent chromium	18	µg/L	
699-94-41	B1THY9	4/24/08	Y	Iron	16	µg/L	U
699-94-41	B1TJ00	4/24/08	N	Iron	71.7	µg/L	B
699-94-41	B1THY9	4/24/08	Y	Magnesium	13,300	µg/L	
699-94-41	B1TJ00	4/24/08	N	Magnesium	14,900	µg/L	
699-94-41	B1THY9	4/24/08	Y	Manganese	3.5	µg/L	BC
699-94-41	B1TJ00	4/24/08	N	Manganese	3.6	µg/L	B

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-94-41	B1THY9	4/24/08	Y	Nickel	13.3	µg/L	U
699-94-41	B1TJ00	4/24/08	N	Nickel	13.3	µg/L	U
699-94-41	B1VBY7	4/24/08	N	Nitrate	20,500	µg/L	D
699-94-41	B1VBY7	4/24/08	N	Nitrite	2,500	µg/L	UD
699-94-41	B1TJ01	4/24/08	N	pH measurement	7.71	unit-less	
699-94-41	B1THY9	4/24/08	Y	Potassium	5,820	µg/L	
699-94-41	B1TJ00	4/24/08	N	Potassium	8,680	µg/L	
699-94-41	B1THY9	4/24/08	Y	Silver	6	µg/L	U
699-94-41	B1TJ00	4/24/08	N	Silver	6	µg/L	U
699-94-41	B1THY9	4/24/08	Y	Sodium	32,900	µg/L	
699-94-41	B1TJ00	4/24/08	N	Sodium	32,900	µg/L	
699-94-41	B1TJ01	4/24/08	N	Specific conductance	472	µS/cm	
699-94-41	B1TJ00	4/24/08	N	Strontium	339	µg/L	
699-94-41	B1THY9	4/24/08	Y	Strontium	312	µg/L	
699-94-41	B1VBY7	4/24/08	N	Sulfate	57,900	µg/L	D
699-94-41	B1TJ01	4/24/08	N	Temperature	16.6	°C	
699-94-41	B1TJ43	4/24/08	N	Tritium	2,460	pCi/L	
699-94-41	B1TJ01	4/24/08	N	Turbidity	0.8	NTU	
699-94-41	B1THY9	4/24/08	Y	Vanadium	11.7	µg/L	B
699-94-41	B1TJ00	4/24/08	N	Vanadium	13.4	µg/L	B
699-94-41	B1THY9	4/24/08	Y	Zinc	5.2	µg/L	U
699-94-41	B1TJ00	4/24/08	N	Zinc	5.2	µg/L	U
699-101-45	B1THY7	4/24/08	N	Antimony	4	µg/L	U
699-101-45	B1THY6	4/24/08	Y	Antimony	4	µg/L	U
699-101-45	B1THY7	4/24/08	N	Barium	45.7	µg/L	B
699-101-45	B1THY6	4/24/08	Y	Barium	41.4	µg/L	B
699-101-45	B1THY6	4/24/08	Y	Beryllium	0.5	µg/L	U
699-101-45	B1THY7	4/24/08	N	Beryllium	0.5	µg/L	U
699-101-45	B1THY7	4/24/08	N	Cadmium	0.45	µg/L	U
699-101-45	B1THY6	4/24/08	Y	Cadmium	0.45	µg/L	U
699-101-45	B1THY6	4/24/08	Y	Calcium	40,400	µg/L	C
699-101-45	B1THY7	4/24/08	N	Calcium	46,200	µg/L	
699-101-45	B1VBY6	4/24/08	N	Chloride	13,600	µg/L	D
699-101-45	B1THY7	4/24/08	N	Chromium	38.5	µg/L	
699-101-45	B1THY6	4/24/08	Y	Chromium	34.3	µg/L	

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-101-45	B1THY7	4/24/08	N	Cobalt	4	µg/L	U
699-101-45	B1THY6	4/24/08	Y	Cobalt	4	µg/L	U
699-101-45	B1THY7	4/24/08	N	Copper	4.6	µg/L	U
699-101-45	B1THY6	4/24/08	Y	Copper	4.6	µg/L	U
699-101-45	B1VBY6	4/24/08	N	Fluoride	250	µg/L	U
699-101-45	B1VBY5	4/24/08	N	Gross alpha	1.28	pCi/L	U
699-101-45	B1VBY5	4/24/08	N	Gross beta	4.75	pCi/L	
699-101-45	B1TJ44	4/24/08	N	Hexavalent chromium	39	µg/L	
699-101-45	B1THY6	4/24/08	Y	Iron	16	µg/L	U
699-101-45	B1THY7	4/24/08	N	Iron	16	µg/L	U
699-101-45	B1THY7	4/24/08	N	Magnesium	10,600	µg/L	
699-101-45	B1THY6	4/24/08	Y	Magnesium	9,290	µg/L	
699-101-45	B1THY6	4/24/08	Y	Manganese	2.7	µg/L	BC
699-101-45	B1THY7	4/24/08	N	Manganese	0.96	µg/L	U
699-101-45	B1THY7	4/24/08	N	Nickel	13.3	µg/L	U
699-101-45	B1THY6	4/24/08	Y	Nickel	13.3	µg/L	U
699-101-45	B1VBY6	4/24/08	N	Nitrate	13,600	µg/L	D
699-101-45	B1VBY6	4/24/08	N	Nitrite	2,500	µg/L	UD
699-101-45	B1THY8	4/24/08	N	pH measurement	7.63	unit-less	
699-101-45	B1THY6	4/24/08	Y	Potassium	2,580	µg/L	B
699-101-45	B1THY7	4/24/08	N	Potassium	2,070	µg/L	B
699-101-45	B1THY7	4/24/08	N	Silver	6	µg/L	U
699-101-45	B1THY6	4/24/08	Y	Silver	6	µg/L	U
699-101-45	B1THY7	4/24/08	N	Sodium	12,100	µg/L	
699-101-45	B1THY6	4/24/08	Y	Sodium	11,600	µg/L	
699-101-45	B1THY8	4/24/08	N	Specific conductance	380	µS/cm	
699-101-45	B1THY6	4/24/08	Y	Strontium	203	µg/L	
699-101-45	B1THY7	4/24/08	N	Strontium	224	µg/L	
699-101-45	B1VBY6	4/24/08	N	Sulfate	53,000	µg/L	D
699-101-45	B1THY8	4/24/08	N	Temperature	16.6	°C	
699-101-45	B1VBY5	4/24/08	N	Tritium	1,620	pCi/L	
699-101-45	B1THY8	4/24/08	N	Turbidity	1.05	NTU	
699-101-45	B1THY7	4/24/08	N	Vanadium	8.5	µg/L	B
699-101-45	B1THY6	4/24/08	Y	Vanadium	7.3	µg/L	B
699-101-45	B1THY6	4/24/08	Y	Zinc	5.2	µg/L	U

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-101-45	B1THY7	4/24/08	N	Zinc	5.2	µg/L	U
699-100-43B	B1THY3	4/24/08	Y	Antimony	4	µg/L	U
699-100-43B	B1THY4	4/24/08	N	Antimony	4	µg/L	U
699-100-43B	B1THY3	4/24/08	Y	Barium	20.4	µg/L	B
699-100-43B	B1THY4	4/24/08	N	Barium	21.1	µg/L	B
699-100-43B	B1THY3	4/24/08	Y	Beryllium	0.5	µg/L	U
699-100-43B	B1THY4	4/24/08	N	Beryllium	0.5	µg/L	U
699-100-43B	B1THY3	4/24/08	Y	Cadmium	0.45	µg/L	U
699-100-43B	B1THY4	4/24/08	N	Cadmium	0.45	µg/L	U
699-100-43B	B1THY3	4/24/08	Y	Calcium	21,000	µg/L	C
699-100-43B	B1THY4	4/24/08	N	Calcium	21,700	µg/L	
699-100-43B	B1VBY2	4/24/08	N	Chloride	1,900	µg/L	
699-100-43B	B1THY4	4/24/08	N	Chromium	3.1	µg/L	U
699-100-43B	B1THY3	4/24/08	Y	Chromium	3.1	µg/L	U
699-100-43B	B1THY3	4/24/08	Y	Cobalt	4	µg/L	U
699-100-43B	B1THY4	4/24/08	N	Cobalt	4	µg/L	U
699-100-43B	B1THY4	4/24/08	N	Copper	4.6	µg/L	U
699-100-43B	B1THY3	4/24/08	Y	Copper	4.6	µg/L	U
699-100-43B	B1VBY2	4/24/08	N	Fluoride	250	µg/L	U
699-100-43B	B1VBY3	4/24/08	N	Gross alpha	0.771	pCi/L	U
699-100-43B	B1VBY3	4/24/08	N	Gross beta	2.24	pCi/L	U
699-100-43B	B1VBY4	4/24/08	N	Hexavalent chromium	5	µg/L	
699-100-43B	B1THY4	4/24/08	N	Iron	62.9	µg/L	B
699-100-43B	B1THY3	4/24/08	Y	Iron	16	µg/L	U
699-100-43B	B1THY3	4/24/08	Y	Magnesium	5,230	µg/L	
699-100-43B	B1THY4	4/24/08	N	Magnesium	5,340	µg/L	
699-100-43B	B1THY4	4/24/08	N	Manganese	2.3	µg/L	B
699-100-43B	B1THY3	4/24/08	Y	Manganese	5.8	µg/L	BC
699-100-43B	B1THY3	4/24/08	Y	Nickel	13.3	µg/L	U
699-100-43B	B1THY4	4/24/08	N	Nickel	13.3	µg/L	U
699-100-43B	B1VBY2	4/24/08	N	Nitrate	1,160	µg/L	
699-100-43B	B1VBY2	4/24/08	N	Nitrite	250	µg/L	U
699-100-43B	B1THY5	4/24/08	N	pH measurement	7.58	unit-less	
699-100-43B	B1THY3	4/24/08	Y	Potassium	1,650	µg/L	U
699-100-43B	B1THY4	4/24/08	N	Potassium	1,650	µg/L	U

Table B-2. Second Round Results for Groundwater Sampling of New Wells. (30 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-100-43B	B1THY3	4/24/08	Y	Silver	6	µg/L	U
699-100-43B	B1THY4	4/24/08	N	Silver	6	µg/L	U
699-100-43B	B1THY3	4/24/08	Y	Sodium	2,960	µg/L	B
699-100-43B	B1THY4	4/24/08	N	Sodium	2,970	µg/L	B
699-100-43B	B1THY5	4/24/08	N	Specific conductance	164.8	µS/cm	
699-100-43B	B1THY3	4/24/08	Y	Strontium	109	µg/L	
699-100-43B	B1THY4	4/24/08	N	Strontium	108	µg/L	
699-100-43B	B1VBY2	4/24/08	N	Sulfate	10,500	µg/L	D
699-100-43B	B1THY5	4/24/08	N	Temperature	12.2	°C	
699-100-43B	B1VBY3	4/24/08	N	Tritium	36.2	pCi/L	U
699-100-43B	B1THY5	4/24/08	N	Turbidity	333	NTU	
699-100-43B	B1THY4	4/24/08	N	Vanadium	4.1	µg/L	U
699-100-43B	B1THY3	4/24/08	Y	Vanadium	4.1	µg/L	U
699-100-43B	B1THY3	4/24/08	Y	Zinc	5.2	µg/L	U
699-100-43B	B1THY4	4/24/08	N	Zinc	5.2	µg/L	U

Laboratory qualifiers:

B = Inorganics and Wetchem: The analyte was detected at a value less than the contract required detection limit, but greater than or equal to the instrument detection limit or method detection limit (as appropriate).

C = The analyte was detected in both the sample and the associated quality control blank, and the sample concentration was less than or equal to five times the blank concentration.

D = Analyte was reported at a secondary dilution factor, typically dilution factor greater than one (i.e., the primary preparation required dilution to either bring the analyte within the calibration range or to minimize interference). Required for organics/Wetchem if the sample was diluted.

U = Analyzed for but not detected above limiting criteria. Limiting criteria may be any of the following: reported value less than zero; reported value less than counting error; reported value less than total analytical error; reported value less than or equal to contract instrument detection limit/method detection limit/minimum detectable activity/practical quantitation limit. Note: When another qualifier accompanies a "U" qualifier the result is always considered non-detected. The qualifier combinations "UJ" and "UL" indicate that the result was non-detected, but the detection limit (i.e., value reported in the "Reported Value" column) was estimated.

Radionuclides: The associated quality control sample blank has a result greater than or equal to two times the minimum detectable activity and, after corrections, the result is greater than or equal to the minimum detectable activity for this sample.

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-44	B1VKB6	7/30/08	Y	Antimony	56	µg/L	U
699-99-44	B1VKB7	7/30/08	N	Antimony	56	µg/L	U
699-99-44	B1VKB8	7/30/08	Y	Antimony	56	µg/L	U
699-99-44	B1VKB9	7/30/08	N	Antimony	56	µg/L	U
699-99-44	B1VKB6	7/30/08	Y	Barium	40	µg/L	
699-99-44	B1VKB9	7/30/08	N	Barium	40.1	µg/L	
699-99-44	B1VKB8	7/30/08	Y	Barium	39.8	µg/L	
699-99-44	B1VKB7	7/30/08	N	Barium	40.7	µg/L	
699-99-44	B1VKB6	7/30/08	Y	Beryllium	4	µg/L	U
699-99-44	B1VKB7	7/30/08	N	Beryllium	4	µg/L	U
699-99-44	B1VKB8	7/30/08	Y	Beryllium	4	µg/L	U
699-99-44	B1VKB9	7/30/08	N	Beryllium	4	µg/L	U
699-99-44	B1VKB6	7/30/08	Y	Cadmium	4	µg/L	U
699-99-44	B1VKB9	7/30/08	N	Cadmium	4	µg/L	U
699-99-44	B1VKB8	7/30/08	Y	Cadmium	4	µg/L	U
699-99-44	B1VKB7	7/30/08	N	Cadmium	4	µg/L	U
699-99-44	B1VKB6	7/30/08	Y	Calcium	52,200	µg/L	
699-99-44	B1VKB7	7/30/08	N	Calcium	53,300	µg/L	
699-99-44	B1VKB8	7/30/08	Y	Calcium	51,600	µg/L	
699-99-44	B1VKB9	7/30/08	N	Calcium	53,200	µg/L	
699-99-44	B1VKB9	7/30/08	N	Chloride	11,300	µg/L	D
699-99-44	B1VKB7	7/30/08	N	Chloride	11,200	µg/L	D
699-99-44	B1VKB6	7/30/08	Y	Chromium	45.4	µg/L	
699-99-44	B1VKB7	7/30/08	N	Chromium	44.2	µg/L	
699-99-44	B1VKB8	7/30/08	Y	Chromium	43.9	µg/L	
699-99-44	B1VKB9	7/30/08	N	Chromium	40.6	µg/L	
699-99-44	B1VKB6	7/30/08	Y	Cobalt	4	µg/L	U
699-99-44	B1VKB9	7/30/08	N	Cobalt	4	µg/L	U
699-99-44	B1VKB8	7/30/08	Y	Cobalt	4	µg/L	U
699-99-44	B1VKB7	7/30/08	N	Cobalt	4	µg/L	U
699-99-44	B1VKB6	7/30/08	Y	Copper	6	µg/L	U
699-99-44	B1VKB7	7/30/08	N	Copper	6	µg/L	U
699-99-44	B1VKB8	7/30/08	Y	Copper	6	µg/L	U
699-99-44	B1VKB9	7/30/08	N	Copper	6	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-44	B1VKB9	7/30/08	N	Fluoride	125	µg/L	BD
699-99-44	B1VKB7	7/30/08	N	Fluoride	129	µg/L	BD
699-99-44	B1VKB7	7/30/08	N	Gross alpha	1.5	pCi/L	U
699-99-44	B1VKB9	7/30/08	N	Gross alpha	1.7	pCi/L	
699-99-44	B1VKB9	7/30/08	N	Gross beta	3	pCi/L	U
699-99-44	B1VKB7	7/30/08	N	Gross beta	5.2	pCi/L	
699-99-44	B1VKK5	7/30/08	N	Hexavalent chromium	44.5	µg/L	
699-99-44	B1VKK6	7/30/08	N	Hexavalent chromium	44.5	µg/L	
699-99-44	B1VKB6	7/30/08	Y	Iron	25	µg/L	U
699-99-44	B1VKB8	7/30/08	Y	Iron	25	µg/L	U
699-99-44	B1VKB7	7/30/08	N	Iron	38	µg/L	
699-99-44	B1VKB9	7/30/08	N	Iron	45.2	µg/L	
699-99-44	B1VKB6	7/30/08	Y	Magnesium	9,920	µg/L	
699-99-44	B1VKB9	7/30/08	N	Magnesium	9,560	µg/L	
699-99-44	B1VKB7	7/30/08	N	Magnesium	9,820	µg/L	
699-99-44	B1VKB8	7/30/08	Y	Magnesium	9,860	µg/L	
699-99-44	B1VKB6	7/30/08	Y	Manganese	4	µg/L	U
699-99-44	B1VKB8	7/30/08	Y	Manganese	4	µg/L	U
699-99-44	B1VKB7	7/30/08	N	Manganese	4	µg/L	U
699-99-44	B1VKB9	7/30/08	N	Manganese	4	µg/L	U
699-99-44	B1VKB6	7/30/08	Y	Nickel	4	µg/L	U
699-99-44	B1VKB9	7/30/08	N	Nickel	4	µg/L	U
699-99-44	B1VKB7	7/30/08	N	Nickel	4	µg/L	U
699-99-44	B1VKB8	7/30/08	Y	Nickel	4	µg/L	U
699-99-44	B1VKB9	7/30/08	N	Nitrate	22,200	µg/L	D
699-99-44	B1VKB7	7/30/08	N	Nitrate	22,000	µg/L	D
699-99-44	B1VKB9	7/30/08	N	Nitrite	84.1	µg/L	DU
699-99-44	B1VKB7	7/30/08	N	Nitrite	84.1	µg/L	DU
699-99-44	B1VKC0	7/30/08	N	pH measurement	7.46	unit-less	
699-99-44	B1VKB6	7/30/08	Y	Potassium	4,370	µg/L	
699-99-44	B1VKB8	7/30/08	Y	Potassium	4,360	µg/L	
699-99-44	B1VKB7	7/30/08	N	Potassium	4,310	µg/L	
699-99-44	B1VKB9	7/30/08	N	Potassium	4,220	µg/L	
699-99-44	B1VKB6	7/30/08	Y	Silver	5	µg/L	U
699-99-44	B1VKB9	7/30/08	N	Silver	5	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-44	B1VKB7	7/30/08	N	Silver	5	µg/L	U
699-99-44	B1VKB8	7/30/08	Y	Silver	5	µg/L	U
699-99-44	B1VKB6	7/30/08	Y	Sodium	10,700	µg/L	
699-99-44	B1VKB8	7/30/08	Y	Sodium	10,600	µg/L	
699-99-44	B1VKB7	7/30/08	N	Sodium	10,400	µg/L	
699-99-44	B1VKB9	7/30/08	N	Sodium	10,200	µg/L	
699-99-44	B1VKC0	7/30/08	N	Specific conductance	392	µS/cm	
699-99-44	B1VKB6	7/30/08	Y	Strontium	298	µg/L	
699-99-44	B1VKB9	7/30/08	N	Strontium	297	µg/L	
699-99-44	B1VKB7	7/30/08	N	Strontium	299	µg/L	
699-99-44	B1VKB8	7/30/08	Y	Strontium	295	µg/L	
699-99-44	B1VKB7	7/30/08	N	Sulfate	55,900	µg/L	D
699-99-44	B1VKB9	7/30/08	N	Sulfate	55,800	µg/L	D
699-99-44	B1VKC0	7/30/08	N	Temperature	18.3	°C	
699-99-44	B1VKB7	7/30/08	N	Tritium	1,200	pCi/L	
699-99-44	B1VKB9	7/30/08	N	Tritium	1,500	pCi/L	
699-99-44	B1VKC0	7/30/08	N	Turbidity	3.48	NTU	
699-99-44	B1VKB6	7/30/08	Y	Vanadium	12	µg/L	U
699-99-44	B1VKB7	7/30/08	N	Vanadium	12	µg/L	U
699-99-44	B1VKB9	7/30/08	N	Vanadium	12	µg/L	U
699-99-44	B1VKB8	7/30/08	Y	Vanadium	12	µg/L	U
699-99-44	B1VKB6	7/30/08	Y	Zinc	9	µg/L	U
699-99-44	B1VKB8	7/30/08	Y	Zinc	21.6	µg/L	
699-99-44	B1VKB9	7/30/08	N	Zinc	9	µg/L	U
699-99-44	B1VKB7	7/30/08	N	Zinc	9	µg/L	U
699-99-42B	B1VKB4	7/30/08	N	Antimony	56	µg/L	U
699-99-42B	B1VKB3	7/30/08	Y	Antimony	56	µg/L	U
699-99-42B	B1VKB3	7/30/08	Y	Barium	22.3	µg/L	
699-99-42B	B1VKB4	7/30/08	N	Barium	20.5	µg/L	
699-99-42B	B1VKB4	7/30/08	N	Beryllium	4	µg/L	U
699-99-42B	B1VKB3	7/30/08	Y	Beryllium	4	µg/L	U
699-99-42B	B1VKB3	7/30/08	Y	Cadmium	6.1	µg/L	
699-99-42B	B1VKB4	7/30/08	N	Cadmium	4	µg/L	U
699-99-42B	B1VKB4	7/30/08	N	Calcium	34,200	µg/L	
699-99-42B	B1VKB3	7/30/08	Y	Calcium	33,800	µg/L	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-42B	B1VKB4	7/30/08	N	Chloride	5,680	µg/L	D
699-99-42B	B1VKB3	7/30/08	Y	Chromium	30.7	µg/L	
699-99-42B	B1VKB4	7/30/08	N	Chromium	17.7	µg/L	
699-99-42B	B1VKB4	7/30/08	N	Cobalt	4	µg/L	U
699-99-42B	B1VKB3	7/30/08	Y	Cobalt	4	µg/L	U
699-99-42B	B1VKB3	7/30/08	Y	Copper	6	µg/L	U
699-99-42B	B1VKB4	7/30/08	N	Copper	6	µg/L	U
699-99-42B	B1VKB4	7/30/08	N	Fluoride	121	µg/L	BD
699-99-42B	B1VKB4	7/30/08	N	Gross alpha	0.72	pCi/L	U
699-99-42B	B1VKB4	7/30/08	N	Gross beta	3.3	pCi/L	
699-99-42B	B1VKK4	7/30/08	N	Hexavalent chromium	25.9	µg/L	
699-99-42B	B1VKB4	7/30/08	N	Iron	25	µg/L	U
699-99-42B	B1VKB3	7/30/08	Y	Iron	25	µg/L	U
699-99-42B	B1VKB4	7/30/08	N	Magnesium	6,810	µg/L	
699-99-42B	B1VKB3	7/30/08	Y	Magnesium	6,810	µg/L	
699-99-42B	B1VKB4	7/30/08	N	Manganese	4	µg/L	U
699-99-42B	B1VKB3	7/30/08	Y	Manganese	5.6	µg/L	
699-99-42B	B1VKB4	7/30/08	N	Nickel	4	µg/L	U
699-99-42B	B1VKB3	7/30/08	Y	Nickel	4	µg/L	U
699-99-42B	B1VKB4	7/30/08	N	Nitrate	13,000	µg/L	D
699-99-42B	B1VKB4	7/30/08	N	Nitrite	84.1	µg/L	DU
699-99-42B	B1VKB5	7/30/08	N	pH measurement	7.05	unit-less	
699-99-42B	B1VKB4	7/30/08	N	Potassium	3,190	µg/L	
699-99-42B	B1VKB3	7/30/08	Y	Potassium	3,280	µg/L	
699-99-42B	B1VKB4	7/30/08	N	Silver	5	µg/L	U
699-99-42B	B1VKB3	7/30/08	Y	Silver	5	µg/L	U
699-99-42B	B1VKB4	7/30/08	N	Sodium	7,830	µg/L	
699-99-42B	B1VKB3	7/30/08	Y	Sodium	7,950	µg/L	
699-99-42B	B1VKB5	7/30/08	N	Specific conductance	271	µS/cm	
699-99-42B	B1VKB3	7/30/08	Y	Strontium	198	µg/L	
699-99-42B	B1VKB4	7/30/08	N	Strontium	196	µg/L	
699-99-42B	B1VKB4	7/30/08	N	Sulfate	30,400	µg/L	D
699-99-42B	B1VKB5	7/30/08	N	Temperature	18.2	°C	
699-99-42B	B1VKB4	7/30/08	N	Tritium	960	pCi/L	
699-99-42B	B1VKB5	7/30/08	N	Turbidity	0.92	NTU	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-42B	B1VKB3	7/30/08	Y	Vanadium	12	µg/L	U
699-99-42B	B1VKB4	7/30/08	N	Vanadium	12	µg/L	U
699-99-42B	B1VKB4	7/30/08	N	Zinc	9	µg/L	U
699-99-42B	B1VKB3	7/30/08	Y	Zinc	9	µg/L	U
699-99-41	B1VKB0	7/30/08	Y	Antimony	56	µg/L	U
699-99-41	B1VKB1	7/30/08	N	Antimony	56	µg/L	U
699-99-41	B1VKB1	7/30/08	N	Barium	18.2	µg/L	
699-99-41	B1VKB0	7/30/08	Y	Barium	18.2	µg/L	
699-99-41	B1VKB1	7/30/08	N	Beryllium	4	µg/L	U
699-99-41	B1VKB0	7/30/08	Y	Beryllium	4	µg/L	U
699-99-41	B1VKB1	7/30/08	N	Cadmium	4	µg/L	U
699-99-41	B1VKB0	7/30/08	Y	Cadmium	4.3	µg/L	
699-99-41	B1VKB0	7/30/08	Y	Calcium	25,000	µg/L	
699-99-41	B1VKB1	7/30/08	N	Calcium	28,000	µg/L	
699-99-41	B1VKB1	7/30/08	N	Chloride	4,090	µg/L	D
699-99-41	B1VKB0	7/30/08	Y	Chromium	19	µg/L	
699-99-41	B1VKB1	7/30/08	N	Chromium	14	µg/L	
699-99-41	B1VKB1	7/30/08	N	Cobalt	4	µg/L	U
699-99-41	B1VKB0	7/30/08	Y	Cobalt	4	µg/L	U
699-99-41	B1VKB1	7/30/08	N	Copper	6	µg/L	U
699-99-41	B1VKB0	7/30/08	Y	Copper	6	µg/L	U
699-99-41	B1VKB1	7/30/08	N	Fluoride	153	µg/L	BD
699-99-41	B1VKB1	7/30/08	N	Gross alpha	1.2	pCi/L	U
699-99-41	B1VKB1	7/30/08	N	Gross beta	5.4	pCi/L	
699-99-41	B1VKK3	7/30/08	N	Hexavalent chromium	18	µg/L	
699-99-41	B1VKB0	7/30/08	Y	Iron	25	µg/L	U
699-99-41	B1VKB1	7/30/08	N	Iron	34.1	µg/L	
699-99-41	B1VKB1	7/30/08	N	Magnesium	6,000	µg/L	
699-99-41	B1VKB0	7/30/08	Y	Magnesium	5,630	µg/L	
699-99-41	B1VKB0	7/30/08	Y	Manganese	6	µg/L	
699-99-41	B1VKB1	7/30/08	N	Manganese	4	µg/L	U
699-99-41	B1VKB1	7/30/08	N	Nickel	4	µg/L	U
699-99-41	B1VKB0	7/30/08	Y	Nickel	5.1	µg/L	
699-99-41	B1VKB1	7/30/08	N	Nitrate	8,900	µg/L	D
699-99-41	B1VKB1	7/30/08	N	Nitrite	84.1	µg/L	DU

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-41	B1VKB2	7/30/08	N	pH measurement	7.32	unit-less	
699-99-41	B1VKB0	7/30/08	Y	Potassium	3,390	µg/L	
699-99-41	B1VKB1	7/30/08	N	Potassium	3,500	µg/L	
699-99-41	B1VKB1	7/30/08	N	Silver	5	µg/L	U
699-99-41	B1VKB0	7/30/08	Y	Silver	5	µg/L	U
699-99-41	B1VKB0	7/30/08	Y	Sodium	9,100	µg/L	
699-99-41	B1VKB1	7/30/08	N	Sodium	9,480	µg/L	
699-99-41	B1VKB2	7/30/08	N	Specific conductance	237	µS/cm	
699-99-41	B1VKB0	7/30/08	Y	Strontium	175	µg/L	
699-99-41	B1VKB1	7/30/08	N	Strontium	187	µg/L	
699-99-41	B1VKB1	7/30/08	N	Sulfate	20,000	µg/L	D
699-99-41	B1VKB2	7/30/08	N	Temperature	16.9	°C	
699-99-41	B1VKB1	7/30/08	N	Tritium	740	pCi/L	
699-99-41	B1VKB2	7/30/08	N	Turbidity	2.76	NTU	
699-99-41	B1VKB0	7/30/08	Y	Vanadium	12	µg/L	U
699-99-41	B1VKB1	7/30/08	N	Vanadium	12	µg/L	U
699-99-41	B1VKB1	7/30/08	N	Zinc	9	µg/L	U
699-99-41	B1VKB0	7/30/08	Y	Zinc	9	µg/L	U
699-98-51	B1VK97	7/29/08	Y	Antimony	56	µg/L	U
699-98-51	B1VK98	7/29/08	N	Antimony	56	µg/L	U
699-98-51	B1VK98	7/29/08	N	Barium	36.3	µg/L	
699-98-51	B1VK97	7/29/08	Y	Barium	34.8	µg/L	
699-98-51	B1VK97	7/29/08	Y	Beryllium	4	µg/L	U
699-98-51	B1VK98	7/29/08	N	Beryllium	4	µg/L	U
699-98-51	B1VK98	7/29/08	N	Cadmium	4	µg/L	U
699-98-51	B1VK97	7/29/08	Y	Cadmium	4	µg/L	U
699-98-51	B1VK97	7/29/08	Y	Calcium	34,900	µg/L	
699-98-51	B1VK98	7/29/08	N	Calcium	36,900	µg/L	
699-98-51	B1VK98	7/29/08	N	Chloride	1,.600	µg/L	D
699-98-51	B1VK98	7/29/08	N	Chromium	13	µg/L	U
699-98-51	B1VK97	7/29/08	Y	Chromium	13	µg/L	U
699-98-51	B1VK97	7/29/08	Y	Cobalt	4	µg/L	U
699-98-51	B1VK98	7/29/08	N	Cobalt	4	µg/L	U
699-98-51	B1VK98	7/29/08	N	Copper	6	µg/L	U
699-98-51	B1VK97	7/29/08	Y	Copper	6	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-51	B1VK98	7/29/08	N	Fluoride	112	µg/L	BD
699-98-51	B1VK98	7/29/08	N	Gross alpha	1.6	pCi/L	
699-98-51	B1VK98	7/29/08	N	Gross beta	6	pCi/L	
699-98-51	B1VKK2	7/29/08	N	Hexavalent chromium	2	µg/L	U
699-98-51	B1VK97	7/29/08	Y	Iron	25	µg/L	U
699-98-51	B1VK98	7/29/08	N	Iron	25	µg/L	U
699-98-51	B1VK97	7/29/08	Y	Magnesium	7,920	µg/L	
699-98-51	B1VK98	7/29/08	N	Magnesium	8,360	µg/L	
699-98-51	B1VK97	7/29/08	Y	Manganese	4	µg/L	U
699-98-51	B1VK98	7/29/08	N	Manganese	4	µg/L	U
699-98-51	B1VK97	7/29/08	Y	Nickel	4	µg/L	U
699-98-51	B1VK98	7/29/08	N	Nickel	4	µg/L	U
699-98-51	B1VK98	7/29/08	N	Nitrate	965	µg/L	D
699-98-51	B1VK98	7/29/08	N	Nitrite	84.1	µg/L	DU
699-98-51	B1VK99	7/29/08	N	pH measurement	7.07	unit-less	
699-98-51	B1VK97	7/29/08	Y	Potassium	1,750	µg/L	
699-98-51	B1VK98	7/29/08	N	Potassium	1,850	µg/L	
699-98-51	B1VK97	7/29/08	Y	Silver	5	µg/L	U
699-98-51	B1VK98	7/29/08	N	Silver	5	µg/L	U
699-98-51	B1VK97	7/29/08	Y	Sodium	5,620	µg/L	
699-98-51	B1VK98	7/29/08	N	Sodium	6,040	µg/L	
699-98-51	B1VK99	7/29/08	N	Specific conductance	251	µS/cm	
699-98-51	B1VK97	7/29/08	Y	Strontium	202	µg/L	
699-98-51	B1VK98	7/29/08	N	Strontium	213	µg/L	
699-98-51	B1VK98	7/29/08	N	Sulfate	16,800	µg/L	D
699-98-51	B1VK99	7/29/08	N	Temperature	16.8	°C	
699-98-51	B1VK98	7/29/08	N	Tritium	-220	pCi/L	U
699-98-51	B1VK99	7/29/08	N	Turbidity	0.74	NTU	
699-98-51	B1VK97	7/29/08	Y	Vanadium	12	µg/L	U
699-98-51	B1VK98	7/29/08	N	Vanadium	12	µg/L	U
699-98-51	B1VK98	7/29/08	N	Zinc	9	µg/L	U
699-98-51	B1VK97	7/29/08	Y	Zinc	9	µg/L	U
699-98-46	B1VK94	7/29/08	Y	Antimony	56	µg/L	U
699-98-46	B1VK95	7/29/08	N	Antimony	56	µg/L	U
699-98-46	B1VK95	7/29/08	N	Barium	59.9	µg/L	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-46	B1VK94	7/29/08	Y	Barium	58.8	µg/L	
699-98-46	B1VK94	7/29/08	Y	Beryllium	4	µg/L	U
699-98-46	B1VK95	7/29/08	N	Beryllium	4	µg/L	U
699-98-46	B1VK95	7/29/08	N	Cadmium	4	µg/L	U
699-98-46	B1VK94	7/29/08	Y	Cadmium	4	µg/L	U
699-98-46	B1VK94	7/29/08	Y	Calcium	57,200	µg/L	
699-98-46	B1VK95	7/29/08	N	Calcium	61,500	µg/L	
699-98-46	B1VK95	7/29/08	N	Chloride	14,600	µg/L	D
699-98-46	B1VK95	7/29/08	N	Chromium	52.4	µg/L	B
699-98-46	B1VK94	7/29/08	Y	Chromium	46.9	µg/L	B
699-98-46	B1VK94	7/29/08	Y	Cobalt	4	µg/L	U
699-98-46	B1VK95	7/29/08	N	Cobalt	4	µg/L	U
699-98-46	B1VK95	7/29/08	N	Copper	6	µg/L	U
699-98-46	B1VK94	7/29/08	Y	Copper	6	µg/L	U
699-98-46	B1VK95	7/29/08	N	Fluoride	149	µg/L	BD
699-98-46	B1VK95	7/29/08	N	Gross alpha	2.8	pCi/L	
699-98-46	B1VK95	7/29/08	N	Gross beta	6.9	pCi/L	
699-98-46	B1VKK1	7/29/08	N	Hexavalent chromium	53.9	µg/L	
699-98-46	B1VK95	7/29/08	N	Iron	25	µg/L	U
699-98-46	B1VK94	7/29/08	Y	Iron	25	µg/L	U
699-98-46	B1VK94	7/29/08	Y	Magnesium	11,500	µg/L	
699-98-46	B1VK95	7/29/08	N	Magnesium	11,800	µg/L	
699-98-46	B1VK95	7/29/08	N	Manganese	4	µg/L	U
699-98-46	B1VK94	7/29/08	Y	Manganese	4	µg/L	U
699-98-46	B1VK94	7/29/08	Y	Nickel	4	µg/L	U
699-98-46	B1VK95	7/29/08	N	Nickel	4	µg/L	U
699-98-46	B1VK95	7/29/08	N	Nitrate	27,100	µg/L	D
699-98-46	B1VK95	7/29/08	N	Nitrite	84.1	µg/L	DU
699-98-46	B1VK96	7/29/08	N	pH measurement	7.67	unit-less	
699-98-46	B1VK95	7/29/08	N	Potassium	5,180	µg/L	
699-98-46	B1VK94	7/29/08	Y	Potassium	5020	µg/L	
699-98-46	B1VK94	7/29/08	Y	Silver	5	µg/L	U
699-98-46	B1VK95	7/29/08	N	Silver	5	µg/L	U
699-98-46	B1VK95	7/29/08	N	Sodium	18,000	µg/L	
699-98-46	B1VK94	7/29/08	Y	Sodium	17,800	µg/L	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-46	B1VK96	7/29/08	N	Specific conductance	464	µS/cm	
699-98-46	B1VK94	7/29/08	Y	Strontium	343	µg/L	
699-98-46	B1VK95	7/29/08	N	Strontium	359	µg/L	
699-98-46	B1VK95	7/29/08	N	Sulfate	68,500	µg/L	D
699-98-46	B1VK96	7/29/08	N	Temperature	19.1	°C	
699-98-46	B1VK95	7/29/08	N	Tritium	2,400	pCi/L	
699-98-46	B1VK96	7/29/08	N	Turbidity	1.63	NTU	
699-98-46	B1VK95	7/29/08	N	Vanadium	12	µg/L	U
699-98-46	B1VK94	7/29/08	Y	Vanadium	12	µg/L	U
699-98-46	B1VK94	7/29/08	Y	Zinc	9	µg/L	U
699-98-46	B1VK95	7/29/08	N	Zinc	9	µg/L	U
699-98-43	B1VK89	7/29/08	Y	Antimony	56	µg/L	U
699-98-43	B1VK90	7/29/08	N	Antimony	56	µg/L	U
699-98-43	B1VK89	7/29/08	Y	Barium	38.4	µg/L	
699-98-43	B1VK90	7/29/08	N	Barium	38.8	µg/L	
699-98-43	B1VK89	7/29/08	Y	Beryllium	4	µg/L	U
699-98-43	B1VK90	7/29/08	N	Beryllium	4	µg/L	U
699-98-43	B1VK89	7/29/08	Y	Cadmium	4	µg/L	U
699-98-43	B1VK90	7/29/08	N	Cadmium	4	µg/L	U
699-98-43	B1VK89	7/29/08	Y	Calcium	60,000	µg/L	
699-98-43	B1VK90	7/29/08	N	Calcium	62,600	µg/L	
699-98-43	B1VK90	7/29/08	N	Chloride	15,200	µg/L	D
699-98-43	B1VK89	7/29/08	Y	Chromium	61.5	µg/L	B
699-98-43	B1VK90	7/29/08	N	Chromium	66.2	µg/L	
699-98-43	B1VK89	7/29/08	Y	Cobalt	4	µg/L	U
699-98-43	B1VK90	7/29/08	N	Cobalt	4	µg/L	U
699-98-43	B1VK89	7/29/08	Y	Copper	6	µg/L	U
699-98-43	B1VK90	7/29/08	N	Copper	6	µg/L	U
699-98-43	B1VK90	7/29/08	N	Fluoride	142	µg/L	BD
699-98-43	B1VK90	7/29/08	N	Gross alpha	1.5	pCi/L	U
699-98-43	B1VK90	7/29/08	N	Gross beta	7.5	pCi/L	
699-98-43	B1VKJ9	7/29/08	N	Hexavalent chromium	65.8	µg/L	
699-98-43	B1VK89	7/29/08	Y	Iron	25	µg/L	U
699-98-43	B1VK90	7/29/08	N	Iron	25	µg/L	U
699-98-43	B1VK89	7/29/08	Y	Magnesium	13,400	µg/L	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-43	B1VK90	7/29/08	N	Magnesium	13,500	µg/L	
699-98-43	B1VK89	7/29/08	Y	Manganese	4	µg/L	U
699-98-43	B1VK90	7/29/08	N	Manganese	4	µg/L	U
699-98-43	B1VK89	7/29/08	Y	Nickel	4	µg/L	U
699-98-43	B1VK90	7/29/08	N	Nickel	4	µg/L	U
699-98-43	B1VK90	7/29/08	N	Nitrate	32,900	µg/L	D
699-98-43	B1VK90	7/29/08	N	Nitrite	84.1	µg/L	DU
699-98-43	B1VK93	7/29/08	N	pH measurement	7.67	unit-less	
699-98-43	B1VK89	7/29/08	Y	Potassium	4,990	µg/L	
699-98-43	B1VK90	7/29/08	N	Potassium	5,000	µg/L	
699-98-43	B1VK89	7/29/08	Y	Silver	8.2	µg/L	BC
699-98-43	B1VK90	7/29/08	N	Silver	5	µg/L	U
699-98-43	B1VK89	7/29/08	Y	Sodium	16,500	µg/L	
699-98-43	B1VK90	7/29/08	N	Sodium	16,300	µg/L	
699-98-43	B1VK93	7/29/08	N	Specific conductance	473	µS/cm	
699-98-43	B1VK89	7/29/08	Y	Strontium	357	µg/L	
699-98-43	B1VK90	7/29/08	N	Strontium	363	µg/L	
699-98-43	B1VK90	7/29/08	N	Sulfate	67,200	µg/L	D
699-98-43	B1VK93	7/29/08	N	Temperature	17.1	°C	
699-98-43	B1VK90	7/29/08	N	Tritium	1,700	pCi/L	
699-98-43	B1VK93	7/29/08	N	Turbidity	2	NTU	
699-98-43	B1VK89	7/29/08	Y	Vanadium	12	µg/L	U
699-98-43	B1VK90	7/29/08	N	Vanadium	12	µg/L	U
699-98-43	B1VK89	7/29/08	Y	Zinc	9	µg/L	U
699-98-43	B1VK90	7/29/08	N	Zinc	9	µg/L	U
699-97-48C	B1VK86	7/30/08	Y	Antimony	56	µg/L	U
699-97-48C	B1VK87	7/30/08	N	Antimony	56	µg/L	U
699-97-48C	B1VK86	7/30/08	Y	Barium	93.5	µg/L	
699-97-48C	B1VK87	7/30/08	N	Barium	112	µg/L	
699-97-48C	B1VK86	7/30/08	Y	Beryllium	4	µg/L	U
699-97-48C	B1VK87	7/30/08	N	Beryllium	4	µg/L	U
699-97-48C	B1VK86	7/30/08	Y	Cadmium	4	µg/L	U
699-97-48C	B1VK87	7/30/08	N	Cadmium	4	µg/L	U
699-97-48C	B1VK86	7/30/08	Y	Calcium	33,100	µg/L	
699-97-48C	B1VK87	7/30/08	N	Calcium	32,900	µg/L	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-48C	B1VK87	7/30/08	N	Chloride	8,810	µg/L	D
699-97-48C	B1VK87	7/30/08	N	Chromium	21.8	µg/L	
699-97-48C	B1VK86	7/30/08	Y	Chromium	24.8	µg/L	
699-97-48C	B1VK86	7/30/08	Y	Cobalt	4	µg/L	U
699-97-48C	B1VK87	7/30/08	N	Cobalt	4	µg/L	U
699-97-48C	B1VK87	7/30/08	N	Copper	6	µg/L	U
699-97-48C	B1VK86	7/30/08	Y	Copper	6	µg/L	U
699-97-48C	B1VK87	7/30/08	N	Fluoride	116	µg/L	BD
699-97-48C	B1VK87	7/30/08	N	Gross alpha	1.3	pCi/L	U
699-97-48C	B1VK87	7/30/08	N	Gross beta	6.8	pCi/L	
699-97-48C	B1VKJ8	7/30/08	N	Hexavalent chromium	18	µg/L	
699-97-48C	B1VK86	7/30/08	Y	Iron	64.5	µg/L	C
699-97-48C	B1VK87	7/30/08	N	Iron	27.5	µg/L	C
699-97-48C	B1VK86	7/30/08	Y	Magnesium	10,700	µg/L	
699-97-48C	B1VK87	7/30/08	N	Magnesium	9,950	µg/L	
699-97-48C	B1VK86	7/30/08	Y	Manganese	183	µg/L	
699-97-48C	B1VK87	7/30/08	N	Manganese	182	µg/L	
699-97-48C	B1VK86	7/30/08	Y	Nickel	4	µg/L	U
699-97-48C	B1VK87	7/30/08	N	Nickel	4	µg/L	U
699-97-48C	B1VK87	7/30/08	N	Nitrate	3,060	µg/L	D
699-97-48C	B1VK87	7/30/08	N	Nitrite	84.1	µg/L	DU
699-97-48C	B1VK88	7/30/08	N	pH measurement	7.93	unit-less	
699-97-48C	B1VK86	7/30/08	Y	Potassium	5,200	µg/L	
699-97-48C	B1VK87	7/30/08	N	Potassium	4,700	µg/L	
699-97-48C	B1VK86	7/30/08	Y	Silver	5	µg/L	U
699-97-48C	B1VK87	7/30/08	N	Silver	5	µg/L	U
699-97-48C	B1VK86	7/30/08	Y	Sodium	8,510	µg/L	
699-97-48C	B1VK87	7/30/08	N	Sodium	7,790	µg/L	
699-97-48C	B1VK88	7/30/08	N	Specific conductance	303	µS/cm	
699-97-48C	B1VK86	7/30/08	Y	Strontium	283	µg/L	
699-97-48C	B1VK87	7/30/08	N	Strontium	271	µg/L	
699-97-48C	B1VK87	7/30/08	N	Sulfate	38,200	µg/L	D
699-97-48C	B1VK88	7/30/08	N	Temperature	19.2	°C	
699-97-48C	B1VK87	7/30/08	N	Tritium	580	pCi/L	
699-97-48C	B1VK88	7/30/08	N	Turbidity	0.53	NTU	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-48C	B1VK87	7/30/08	N	Vanadium	23.4	µg/L	
699-97-48C	B1VK86	7/30/08	Y	Vanadium	24.2	µg/L	
699-97-48C	B1VK86	7/30/08	Y	Zinc	9	µg/L	U
699-97-48C	B1VK87	7/30/08	N	Zinc	9	µg/L	U
699-97-48B	B1VK83	7/30/08	Y	Antimony	56	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Antimony	56	µg/L	U
699-97-48B	B1VK83	7/30/08	Y	Barium	54.8	µg/L	
699-97-48B	B1VK84	7/30/08	N	Barium	57.4	µg/L	
699-97-48B	B1VK83	7/30/08	Y	Beryllium	4	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Beryllium	4	µg/L	U
699-97-48B	B1VK83	7/30/08	Y	Cadmium	4	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Cadmium	4	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Calcium	46.800	µg/L	
699-97-48B	B1VK83	7/30/08	Y	Calcium	46.600	µg/L	
699-97-48B	B1VK84	7/30/08	N	Chloride	13.200	µg/L	D
699-97-48B	B1VK83	7/30/08	Y	Chromium	47.6	µg/L	
699-97-48B	B1VK84	7/30/08	N	Chromium	45.9	µg/L	
699-97-48B	B1VK83	7/30/08	Y	Cobalt	4	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Cobalt	4	µg/L	U
699-97-48B	B1VK83	7/30/08	Y	Copper	6	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Copper	6	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Fluoride	188	µg/L	D
699-97-48B	B1VK84	7/30/08	N	Gross alpha	2.9	pCi/L	
699-97-48B	B1VK84	7/30/08	N	Gross beta	5.6	pCi/L	
699-97-48B	B1VKJ7	7/30/08	N	Hexavalent chromium	41.8	µg/L	
699-97-48B	B1VK83	7/30/08	Y	Iron	25	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Iron	114	µg/L	C
699-97-48B	B1VK83	7/30/08	Y	Magnesium	10.300	µg/L	
699-97-48B	B1VK84	7/30/08	N	Magnesium	10.300	µg/L	
699-97-48B	B1VK83	7/30/08	Y	Manganese	4	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Manganese	5.9	µg/L	
699-97-48B	B1VK83	7/30/08	Y	Nickel	4	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Nickel	4	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Nitrate	14,800	µg/L	D
699-97-48B	B1VK84	7/30/08	N	Nitrite	84.1	µg/L	DU

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-48B	B1VK85	7/30/08	N	pH measurement	7.74	unit-less	
699-97-48B	B1VK83	7/30/08	Y	Potassium	4,910	µg/L	
699-97-48B	B1VK84	7/30/08	N	Potassium	4,960	µg/L	
699-97-48B	B1VK83	7/30/08	Y	Silver	5	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Silver	5	µg/L	U
699-97-48B	B1VK83	7/30/08	Y	Sodium	15,900	µg/L	
699-97-48B	B1VK84	7/30/08	N	Sodium	16,100	µg/L	
699-97-48B	B1VK85	7/30/08	N	Specific conductance	395	µS/cm	
699-97-48B	B1VK83	7/30/08	Y	Strontium	287	µg/L	
699-97-48B	B1VK84	7/30/08	N	Strontium	287	µg/L	
699-97-48B	B1VK84	7/30/08	N	Sulfate	55,400	µg/L	D
699-97-48B	B1VK85	7/30/08	N	Temperature	18.1	°C	
699-97-48B	B1VK84	7/30/08	N	Tritium	2,400	pCi/L	
699-97-48B	B1VK85	7/30/08	N	Turbidity	4.02	NTU	
699-97-48B	B1VK83	7/30/08	Y	Vanadium	12	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Vanadium	12	µg/L	U
699-97-48B	B1VK83	7/30/08	Y	Zinc	9	µg/L	U
699-97-48B	B1VK84	7/30/08	N	Zinc	9	µg/L	U
699-97-45B	B1VK79	7/29/08	N	Antimony	56	µg/L	U
699-97-45B	B1VK78	7/29/08	Y	Antimony	56	µg/L	U
699-97-45B	B1VK77	7/29/08	N	Antimony	4	µg/L	U
699-97-45B	B1VK76	7/29/08	Y	Antimony	4	µg/L	U
699-97-45B	B1VK76	7/29/08	Y	Barium	95.8	µg/L	B
699-97-45B	B1VK77	7/29/08	N	Barium	95.8	µg/L	B
699-97-45B	B1VK78	7/29/08	Y	Barium	86	µg/L	
699-97-45B	B1VK79	7/29/08	N	Barium	85.7	µg/L	
699-97-45B	B1VK79	7/29/08	N	Beryllium	4	µg/L	U
699-97-45B	B1VK78	7/29/08	Y	Beryllium	4	µg/L	U
699-97-45B	B1VK77	7/29/08	N	Beryllium	0.5	µg/L	U
699-97-45B	B1VK76	7/29/08	Y	Beryllium	0.5	µg/L	U
699-97-45B	B1VK76	7/29/08	Y	Cadmium	0.45	µg/L	U
699-97-45B	B1VK77	7/29/08	N	Cadmium	0.45	µg/L	U
699-97-45B	B1VK78	7/29/08	Y	Cadmium	4	µg/L	U
699-97-45B	B1VK79	7/29/08	N	Cadmium	4	µg/L	U
699-97-45B	B1VK79	7/29/08	N	Calcium	35,700	µg/L	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-45B	B1VK78	7/29/08	Y	Calcium	37,000	µg/L	
699-97-45B	B1VK77	7/29/08	N	Calcium	33,600	µg/L	
699-97-45B	B1VK76	7/29/08	Y	Calcium	33,500	µg/L	
699-97-45B	B1VK79	7/29/08	N	Chloride	3,750	µg/L	D
699-97-45B	B1VK80	7/29/08	N	Chloride	3,800	µg/L	
699-97-45B	B1VK79	7/29/08	N	Chromium	13	µg/L	U
699-97-45B	B1VK78	7/29/08	Y	Chromium	13	µg/L	U
699-97-45B	B1VK77	7/29/08	N	Chromium	3.7	µg/L	B
699-97-45B	B1VK76	7/29/08	Y	Chromium	3.1	µg/L	U
699-97-45B	B1VK76	7/29/08	Y	Cobalt	4	µg/L	U
699-97-45B	B1VK77	7/29/08	N	Cobalt	4	µg/L	U
699-97-45B	B1VK78	7/29/08	Y	Cobalt	4	µg/L	U
699-97-45B	B1VK79	7/29/08	N	Cobalt	4	µg/L	U
699-97-45B	B1VK79	7/29/08	N	Copper	6	µg/L	U
699-97-45B	B1VK78	7/29/08	Y	Copper	6	µg/L	U
699-97-45B	B1VK77	7/29/08	N	Copper	4.6	µg/L	U
699-97-45B	B1VK76	7/29/08	Y	Copper	4.6	µg/L	U
699-97-45B	B1VK80	7/29/08	N	Fluoride	360	µg/L	
699-97-45B	B1VK79	7/29/08	N	Fluoride	347	µg/L	D
699-97-45B	B1VK81	7/29/08	N	Gross alpha	1.6	pCi/L	U
699-97-45B	B1VK79	7/29/08	N	Gross alpha	1.4	pCi/L	U
699-97-45B	B1VK81	7/29/08	N	Gross beta	6.65	pCi/L	
699-97-45B	B1VK79	7/29/08	N	Gross beta	12	pCi/L	
699-97-45B	B1VK81	7/29/08	N	Hexavalent chromium	2	µg/L	U
699-97-45B	B1VKJ6	7/29/08	N	Hexavalent chromium	3.7	µg/L	B
699-97-45B	B1VK76	7/29/08	Y	Iron	98.6	µg/L	B
699-97-45B	B1VK77	7/29/08	N	Iron	507	µg/L	
699-97-45B	B1VK79	7/29/08	N	Iron	233	µg/L	
699-97-45B	B1VK78	7/29/08	Y	Iron	75	µg/L	B
699-97-45B	B1VK76	7/29/08	Y	Magnesium	9,220	µg/L	
699-97-45B	B1VK77	7/29/08	N	Magnesium	9,230	µg/L	
699-97-45B	B1VK78	7/29/08	Y	Magnesium	8,950	µg/L	
699-97-45B	B1VK79	7/29/08	N	Magnesium	8,740	µg/L	
699-97-45B	B1VK76	7/29/08	Y	Manganese	420	µg/L	
699-97-45B	B1VK77	7/29/08	N	Manganese	446	µg/L	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-45B	B1VK79	7/29/08	N	Manganese	450	µg/L	
699-97-45B	B1VK78	7/29/08	Y	Manganese	418	µg/L	
699-97-45B	B1VK76	7/29/08	Y	Nickel	13.3	µg/L	U
699-97-45B	B1VK77	7/29/08	N	Nickel	13.3	µg/L	U
699-97-45B	B1VK78	7/29/08	Y	Nickel	4	µg/L	U
699-97-45B	B1VK79	7/29/08	N	Nickel	4	µg/L	U
699-97-45B	B1VK80	7/29/08	N	Nitrate	1,050	µg/L	
699-97-45B	B1VK79	7/29/08	N	Nitrate	1,130	µg/L	D
699-97-45B	B1VK80	7/29/08	N	Nitrite	250	µg/L	U
699-97-45B	B1VK79	7/29/08	N	Nitrite	84.1	µg/L	DU
699-97-45B	B1VK82	7/29/08	N	pH measurement	7.67	unit-less	
699-97-45B	B1VK76	7/29/08	Y	Potassium	5,680	µg/L	
699-97-45B	B1VK77	7/29/08	N	Potassium	3,740	µg/L	B
699-97-45B	B1VK79	7/29/08	N	Potassium	5,060	µg/L	
699-97-45B	B1VK78	7/29/08	Y	Potassium	5,380	µg/L	
699-97-45B	B1VK76	7/29/08	Y	Silver	6	µg/L	U
699-97-45B	B1VK77	7/29/08	N	Silver	6	µg/L	U
699-97-45B	B1VK78	7/29/08	Y	Silver	5	µg/L	U
699-97-45B	B1VK79	7/29/08	N	Silver	5	µg/L	U
699-97-45B	B1VK76	7/29/08	Y	Sodium	6,330	µg/L	
699-97-45B	B1VK77	7/29/08	N	Sodium	6,330	µg/L	
699-97-45B	B1VK79	7/29/08	N	Sodium	5,840	µg/L	
699-97-45B	B1VK78	7/29/08	Y	Sodium	5,880	µg/L	
699-97-45B	B1VK82	7/29/08	N	Specific conductance	284	µS/cm	
699-97-45B	B1VK78	7/29/08	Y	Strontium	278	µg/L	
699-97-45B	B1VK79	7/29/08	N	Strontium	268	µg/L	
699-97-45B	B1VK77	7/29/08	N	Strontium	217	µg/L	
699-97-45B	B1VK76	7/29/08	Y	Strontium	219	µg/L	
699-97-45B	B1VK80	7/29/08	N	Sulfate	20,000	µg/L	D
699-97-45B	B1VK79	7/29/08	N	Sulfate	19,700	µg/L	D
699-97-45B	B1VK82	7/29/08	N	Temperature	20.5	°C	
699-97-45B	B1VK81	7/29/08	N	Tritium	-23.4	pCi/L	U
699-97-45B	B1VK79	7/29/08	N	Tritium	-230	pCi/L	U
699-97-45B	B1VK82	7/29/08	N	Turbidity	5.18	NTU	
699-97-45B	B1VK76	7/29/08	Y	Vanadium	8.8	µg/L	B

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-45B	B1VK77	7/29/08	N	Vanadium	8.9	µg/L	B
699-97-45B	B1VK79	7/29/08	N	Vanadium	12	µg/L	U
699-97-45B	B1VK78	7/29/08	Y	Vanadium	12	µg/L	U
699-97-45B	B1VK78	7/29/08	Y	Zinc	9	µg/L	U
699-97-45B	B1VK79	7/29/08	N	Zinc	48.7	µg/L	B
699-97-45B	B1VK77	7/29/08	N	Zinc	72.1	µg/L	C
699-97-45B	B1VK76	7/29/08	Y	Zinc	12.1	µg/L	BC
699-97-45	B1VK74	7/29/08	N	Antimony	56	µg/L	U
699-97-45	B1VK73	7/29/08	Y	Antimony	56	µg/L	U
699-97-45	B1VK73	7/29/08	Y	Barium	51	µg/L	
699-97-45	B1VK74	7/29/08	N	Barium	50.8	µg/L	
699-97-45	B1VK74	7/29/08	N	Beryllium	4	µg/L	U
699-97-45	B1VK73	7/29/08	Y	Beryllium	4	µg/L	U
699-97-45	B1VK73	7/29/08	Y	Cadmium	4	µg/L	U
699-97-45	B1VK74	7/29/08	N	Cadmium	4	µg/L	U
699-97-45	B1VK74	7/29/08	N	Calcium	584,00	µg/L	
699-97-45	B1VK73	7/29/08	Y	Calcium	50,300	µg/L	
699-97-45	B1VK74	7/29/08	N	Chloride	13,900	µg/L	D
699-97-45	B1VK73	7/29/08	Y	Chromium	50.7	µg/L	B
699-97-45	B1VK74	7/29/08	N	Chromium	13	µg/L	U
699-97-45	B1VK73	7/29/08	Y	Cobalt	4	µg/L	U
699-97-45	B1VK74	7/29/08	N	Cobalt	4	µg/L	U
699-97-45	B1VK73	7/29/08	Y	Copper	6	µg/L	U
699-97-45	B1VK74	7/29/08	N	Copper	6	µg/L	U
699-97-45	B1VK74	7/29/08	N	Fluoride	192	µg/L	D
699-97-45	B1VK74	7/29/08	N	Gross alpha	1.8	pCi/L	
699-97-45	B1VK74	7/29/08	N	Gross beta	6.5	pCi/L	
699-97-45	B1VKJ5	7/29/08	N	Hexavalent chromium	55.2	µg/L	
699-97-45	B1VK74	7/29/08	N	Iron	33.8	µg/L	B
699-97-45	B1VK73	7/29/08	Y	Iron	25	µg/L	U
699-97-45	B1VK74	7/29/08	N	Magnesium	16,500	µg/L	
699-97-45	B1VK73	7/29/08	Y	Magnesium	11,000	µg/L	
699-97-45	B1VK74	7/29/08	N	Manganese	4	µg/L	U
699-97-45	B1VK73	7/29/08	Y	Manganese	13.7	µg/L	B
699-97-45	B1VK74	7/29/08	N	Nickel	5.5	µg/L	B

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-45	B1VK73	7/29/08	Y	Nickel	4.4	µg/L	B
699-97-45	B1VK74	7/29/08	N	Nitrate	20,400	µg/L	D
699-97-45	B1VK74	7/29/08	N	Nitrite	84.1	µg/L	DU
699-97-45	B1VK75	7/29/08	N	pH measurement	7.78	unit-less	
699-97-45	B1VK74	7/29/08	N	Potassium	6,840	µg/L	
699-97-45	B1VK73	7/29/08	Y	Potassium	4,910	µg/L	
699-97-45	B1VK74	7/29/08	N	Silver	5	µg/L	U
699-97-45	B1VK73	7/29/08	Y	Silver	5	µg/L	U
699-97-45	B1VK74	7/29/08	N	Sodium	28,000	µg/L	
699-97-45	B1VK73	7/29/08	Y	Sodium	21,600	µg/L	
699-97-45	B1VK75	7/29/08	N	Specific conductance	422	µS/cm	
699-97-45	B1VK74	7/29/08	N	Strontium	354	µg/L	
699-97-45	B1VK73	7/29/08	Y	Strontium	313	µg/L	
699-97-45	B1VK74	7/29/08	N	Sulfate	63,100	µg/L	D
699-97-45	B1VK75	7/29/08	N	Temperature	23	°C	
699-97-45	B1VK74	7/29/08	N	Tritium	3,200	pCi/L	
699-97-45	B1VK75	7/29/08	N	Turbidity	6.79	NTU	
699-97-45	B1VK73	7/29/08	Y	Vanadium	12	µg/L	U
699-97-45	B1VK74	7/29/08	N	Vanadium	17.5	µg/L	B
699-97-45	B1VK73	7/29/08	Y	Zinc	42.2	µg/L	
699-97-45	B1VK74	7/29/08	N	Zinc	9	µg/L	U
699-97-43C	B1VK70	7/28/08	Y	Antimony	56	µg/L	U
699-97-43C	B1VK71	7/28/08	N	Antimony	56	µg/L	U
699-97-43C	B1VK71	7/28/08	N	Barium	87.6	µg/L	
699-97-43C	B1VK70	7/28/08	Y	Barium	79.9	µg/L	
699-97-43C	B1VK71	7/28/08	N	Beryllium	4	µg/L	U
699-97-43C	B1VK70	7/28/08	Y	Beryllium	4	µg/L	U
699-97-43C	B1VK71	7/28/08	N	Cadmium	4	µg/L	U
699-97-43C	B1VK70	7/28/08	Y	Cadmium	4	µg/L	U
699-97-43C	B1VK70	7/28/08	Y	Calcium	33,000	µg/L	
699-97-43C	B1VK71	7/28/08	N	Calcium	35,000	µg/L	
699-97-43C	B1VK71	7/28/08	N	Chloride	4,030	µg/L	D
699-97-43C	B1VK70	7/28/08	Y	Chromium	13	µg/L	U
699-97-43C	B1VK71	7/28/08	N	Chromium	13	µg/L	U
699-97-43C	B1VK71	7/28/08	N	Cobalt	4	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-43C	B1VK70	7/28/08	Y	Cobalt	4	µg/L	U
699-97-43C	B1VK71	7/28/08	N	Copper	6	µg/L	U
699-97-43C	B1VK70	7/28/08	Y	Copper	6	µg/L	U
699-97-43C	B1VK71	7/28/08	N	Fluoride	282	µg/L	D
699-97-43C	B1VK71	7/28/08	N	Gross alpha	1	pCi/L	U
699-97-43C	B1VK71	7/28/08	N	Gross beta	7.6	pCi/L	
699-97-43C	B1VKJ4	7/28/08	N	Hexavalent chromium	2	µg/L	U
699-97-43C	B1VK70	7/28/08	Y	Iron	969	µg/L	C
699-97-43C	B1VK71	7/28/08	N	Iron	1,570	µg/L	
699-97-43C	B1VK71	7/28/08	N	Magnesium	10,200	µg/L	
699-97-43C	B1VK70	7/28/08	Y	Magnesium	9,530	µg/L	
699-97-43C	B1VK70	7/28/08	Y	Manganese	322	µg/L	
699-97-43C	B1VK71	7/28/08	N	Manganese	351	µg/L	
699-97-43C	B1VK71	7/28/08	N	Nickel	4	µg/L	U
699-97-43C	B1VK70	7/28/08	Y	Nickel	4	µg/L	U
699-97-43C	B1VK71	7/28/08	N	Nitrate	436	µg/L	BD
699-97-43C	B1VK71	7/28/08	N	Nitrite	84.1	µg/L	DU
699-97-43C	B1VK72	7/28/08	N	pH measurement	8.02	unit-less	
699-97-43C	B1VK70	7/28/08	Y	Potassium	4,860	µg/L	
699-97-43C	B1VK71	7/28/08	N	Potassium	5,380	µg/L	
699-97-43C	B1VK71	7/28/08	N	Silver	5	µg/L	U
699-97-43C	B1VK70	7/28/08	Y	Silver	5	µg/L	U
699-97-43C	B1VK70	7/28/08	Y	Sodium	8,310	µg/L	
699-97-43C	B1VK71	7/28/08	N	Sodium	9,260	µg/L	
699-97-43C	B1VK72	7/28/08	N	Specific conductance	289	µS/cm	
699-97-43C	B1VK70	7/28/08	Y	Strontium	238	µg/L	
699-97-43C	B1VK71	7/28/08	N	Strontium	258	µg/L	
699-97-43C	B1VK71	7/28/08	N	Sulfate	33,500	µg/L	D
699-97-43C	B1VK72	7/28/08	N	Temperature	20.3	°C	
699-97-43C	B1VK71	7/28/08	N	Tritium	-240	pCi/L	U
699-97-43C	B1VK72	7/28/08	N	Turbidity	3.67	NTU	
699-97-43C	B1VK71	7/28/08	N	Vanadium	12	µg/L	U
699-97-43C	B1VK70	7/28/08	Y	Vanadium	12	µg/L	U
699-97-43C	B1VK71	7/28/08	N	Zinc	9	µg/L	U
699-97-43C	B1VK70	7/28/08	Y	Zinc	9	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-43B	B1VK65	7/29/08	Y	Antimony	56	µg/L	U
699-97-43B	B1VK66	7/29/08	N	Antimony	56	µg/L	U
699-97-43B	B1VK66	7/29/08	N	Barium	52.2	µg/L	
699-97-43B	B1VK65	7/29/08	Y	Barium	56.5	µg/L	
699-97-43B	B1VK66	7/29/08	N	Beryllium	4	µg/L	U
699-97-43B	B1VK65	7/29/08	Y	Beryllium	4	µg/L	U
699-97-43B	B1VK66	7/29/08	N	Cadmium	4	µg/L	U
699-97-43B	B1VK65	7/29/08	Y	Cadmium	6	µg/L	B
699-97-43B	B1VK66	7/29/08	N	Calcium	51,800	µg/L	
699-97-43B	B1VK65	7/29/08	Y	Calcium	54,000	µg/L	
699-97-43B	B1VK66	7/29/08	N	Chloride	16,100	µg/L	D
699-97-43B	B1VK66	7/29/08	N	Chromium	88.4	µg/L	
699-97-43B	B1VK65	7/29/08	Y	Chromium	90.6	µg/L	
699-97-43B	B1VK66	7/29/08	N	Cobalt	4	µg/L	U
699-97-43B	B1VK65	7/29/08	Y	Cobalt	4.8	µg/L	B
699-97-43B	B1VK66	7/29/08	N	Copper	6	µg/L	U
699-97-43B	B1VK65	7/29/08	Y	Copper	6	µg/L	U
699-97-43B	B1VK66	7/29/08	N	Fluoride	198	µg/L	D
699-97-43B	B1VK66	7/29/08	N	Gross alpha	0.6	pCi/L	U
699-97-43B	B1VK66	7/29/08	N	Gross beta	14	pCi/L	
699-97-43B	B1VKJ2	7/29/08	N	Hexavalent chromium	97.3	µg/L	
699-97-43B	B1VK66	7/29/08	N	Iron	126	µg/L	
699-97-43B	B1VK65	7/29/08	Y	Iron	25	µg/L	U
699-97-43B	B1VK66	7/29/08	N	Magnesium	10,700	µg/L	
699-97-43B	B1VK65	7/29/08	Y	Magnesium	10,900	µg/L	
699-97-43B	B1VK66	7/29/08	N	Manganese	4	µg/L	U
699-97-43B	B1VK65	7/29/08	Y	Manganese	5.2	µg/L	B
699-97-43B	B1VK66	7/29/08	N	Nickel	4	µg/L	U
699-97-43B	B1VK65	7/29/08	Y	Nickel	9	µg/L	B
699-97-43B	B1VK66	7/29/08	N	Nitrate	20,200	µg/L	D
699-97-43B	B1VK66	7/29/08	N	Nitrite	84.1	µg/L	DU
699-97-43B	B1VK69	7/29/08	N	pH measurement	7.9	unit-less	
699-97-43B	B1VK66	7/29/08	N	Potassium	4,800	µg/L	
699-97-43B	B1VK65	7/29/08	Y	Potassium	4,900	µg/L	
699-97-43B	B1VK66	7/29/08	N	Silver	5	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-43B	B1VK65	7/29/08	Y	Silver	5	µg/L	U
699-97-43B	B1VK66	7/29/08	N	Sodium	21,600	µg/L	
699-97-43B	B1VK65	7/29/08	Y	Sodium	21,400	µg/L	
699-97-43B	B1VK69	7/29/08	N	Specific conductance	449	µS/cm	
699-97-43B	B1VK66	7/29/08	N	Strontium	321	µg/L	
699-97-43B	B1VK65	7/29/08	Y	Strontium	339	µg/L	
699-97-43B	B1VK66	7/29/08	N	Sulfate	61,300	µg/L	D
699-97-43B	B1VK69	7/29/08	N	Temperature	18.9	°C	
699-97-43B	B1VK66	7/29/08	N	Tritium	5,100	pCi/L	
699-97-43B	B1VK69	7/29/08	N	Turbidity	2.62	NTU	
699-97-43B	B1VK66	7/29/08	N	Vanadium	12	µg/L	U
699-97-43B	B1VK65	7/29/08	Y	Vanadium	12.6	µg/L	B
699-97-43B	B1VK66	7/29/08	N	Zinc	9	µg/L	U
699-97-43B	B1VK65	7/29/08	Y	Zinc	9	µg/L	U
699-97-41	B1VK62	7/28/08	Y	Antimony	56	µg/L	U
699-97-41	B1VK63	7/28/08	N	Antimony	56	µg/L	U
699-97-41	B1VK62	7/28/08	Y	Barium	31.4	µg/L	
699-97-41	B1VK63	7/28/08	N	Barium	31.8	µg/L	
699-97-41	B1VK62	7/28/08	Y	Beryllium	4	µg/L	U
699-97-41	B1VK63	7/28/08	N	Beryllium	4	µg/L	U
699-97-41	B1VK62	7/28/08	Y	Cadmium	4	µg/L	U
699-97-41	B1VK63	7/28/08	N	Cadmium	4	µg/L	U
699-97-41	B1VK62	7/28/08	Y	Calcium	49,400	µg/L	
699-97-41	B1VK63	7/28/08	N	Calcium	46,500	µg/L	
699-97-41	B1VK63	7/28/08	N	Chloride	13,000	µg/L	D
699-97-41	B1VK62	7/28/08	Y	Chromium	59.9	µg/L	
699-97-41	B1VK63	7/28/08	N	Chromium	53.1	µg/L	
699-97-41	B1VK63	7/28/08	N	Cobalt	4	µg/L	U
699-97-41	B1VK62	7/28/08	Y	Cobalt	4	µg/L	U
699-97-41	B1VK62	7/28/08	Y	Copper	6	µg/L	U
699-97-41	B1VK63	7/28/08	N	Copper	6	µg/L	U
699-97-41	B1VK63	7/28/08	N	Fluoride	194	µg/L	D
699-97-41	B1VK63	7/28/08	N	Gross alpha	2	pCi/L	
699-97-41	B1VK63	7/28/08	N	Gross beta	8.9	pCi/L	
699-97-41	B1VKJ1	7/28/08	N	Hexavalent chromium	53.8	µg/L	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-41	B1VK62	7/28/08	Y	Iron	63.4	µg/L	C
699-97-41	B1VK63	7/28/08	N	Iron	103	µg/L	C
699-97-41	B1VK62	7/28/08	Y	Magnesium	11,300	µg/L	
699-97-41	B1VK63	7/28/08	N	Magnesium	11,400	µg/L	
699-97-41	B1VK62	7/28/08	Y	Manganese	4	µg/L	U
699-97-41	B1VK63	7/28/08	N	Manganese	7	µg/L	
699-97-41	B1VK62	7/28/08	Y	Nickel	4	µg/L	U
699-97-41	B1VK63	7/28/08	N	Nickel	4	µg/L	U
699-97-41	B1VK63	7/28/08	N	Nitrate	25,700	µg/L	D
699-97-41	B1VK63	7/28/08	N	Nitrite	84.1	µg/L	DU
699-97-41	B1VK64	7/28/08	N	pH measurement	7.68	unit-less	
699-97-41	B1VK62	7/28/08	Y	Potassium	5,500	µg/L	
699-97-41	B1VK63	7/28/08	N	Potassium	5,690	µg/L	
699-97-41	B1VK62	7/28/08	Y	Silver	5	µg/L	U
699-97-41	B1VK63	7/28/08	N	Silver	5	µg/L	U
699-97-41	B1VK62	7/28/08	Y	Sodium	20,200	µg/L	
699-97-41	B1VK63	7/28/08	N	Sodium	21,200	µg/L	
699-97-41	B1VK64	7/28/08	N	Specific conductance	425	µS/cm	
699-97-41	B1VK62	7/28/08	Y	Strontium	320	µg/L	
699-97-41	B1VK63	7/28/08	N	Strontium	314	µg/L	
699-97-41	B1VK63	7/28/08	N	Sulfate	51,700	µg/L	D
699-97-41	B1VK64	7/28/08	N	Temperature	18.8	°C	
699-97-41	B1VK63	7/28/08	N	Tritium	2,600	pCi/L	
699-97-41	B1VK64	7/28/08	N	Turbidity	2.89	NTU	
699-97-41	B1VK63	7/28/08	N	Vanadium	12	µg/L	U
699-97-41	B1VK62	7/28/08	Y	Vanadium	12	µg/L	U
699-97-41	B1VK62	7/28/08	Y	Zinc	9	µg/L	U
699-97-41	B1VK63	7/28/08	N	Zinc	9	µg/L	U
699-96-52B	B1VK59	7/28/08	Y	Antimony	56	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Antimony	56	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Barium	43.4	µg/L	
699-96-52B	B1VK59	7/28/08	Y	Barium	44.2	µg/L	
699-96-52B	B1VK59	7/28/08	Y	Beryllium	4	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Beryllium	4	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Cadmium	4	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-96-52B	B1VK59	7/28/08	Y	Cadmium	4	µg/L	U
699-96-52B	B1VK59	7/28/08	Y	Calcium	51,500	µg/L	
699-96-52B	B1VK60	7/28/08	N	Calcium	48,500	µg/L	
699-96-52B	B1VK60	7/28/08	N	Chloride	13,100	µg/L	D
699-96-52B	B1VK60	7/28/08	N	Chromium	47.6	µg/L	
699-96-52B	B1VK59	7/28/08	Y	Chromium	52.2	µg/L	
699-96-52B	B1VK59	7/28/08	Y	Cobalt	4	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Cobalt	4	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Copper	6	µg/L	U
699-96-52B	B1VK59	7/28/08	Y	Copper	6	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Fluoride	69.6	µg/L	BD
699-96-52B	B1VK60	7/28/08	N	Gross alpha	0.91	pCi/L	U
699-96-52B	B1VK60	7/28/08	N	Gross beta	4.8	pCi/L	
699-96-52B	B1VKJ0	7/28/08	N	Hexavalent chromium	49.8	µg/L	
699-96-52B	B1VK60	7/28/08	N	Iron	25	µg/L	U
699-96-52B	B1VK59	7/28/08	Y	Iron	25	µg/L	U
699-96-52B	B1VK59	7/28/08	Y	Magnesium	7,690	µg/L	
699-96-52B	B1VK60	7/28/08	N	Magnesium	7,480	µg/L	
699-96-52B	B1VK60	7/28/08	N	Manganese	4	µg/L	U
699-96-52B	B1VK59	7/28/08	Y	Manganese	4	µg/L	U
699-96-52B	B1VK59	7/28/08	Y	Nickel	4	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Nickel	4	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Nitrate	18,100	µg/L	D
699-96-52B	B1VK60	7/28/08	N	Nitrite	84.1	µg/L	DU
699-96-52B	B1VK61	7/28/08	N	pH measurement	7.62	unit-less	
699-96-52B	B1VK60	7/28/08	N	Potassium	4,300	µg/L	
699-96-52B	B1VK59	7/28/08	Y	Potassium	4,150	µg/L	
699-96-52B	B1VK59	7/28/08	Y	Silver	5	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Silver	5	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Sodium	6,710	µg/L	
699-96-52B	B1VK59	7/28/08	Y	Sodium	6,490	µg/L	
699-96-52B	B1VK61	7/28/08	N	Specific conductance	344	µS/cm	
699-96-52B	B1VK59	7/28/08	Y	Strontium	289	µg/L	
699-96-52B	B1VK60	7/28/08	N	Strontium	286	µg/L	
699-96-52B	B1VK60	7/28/08	N	Sulfate	50,200	µg/L	D

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-96-52B	B1VK61	7/28/08	N	Temperature	18.8	°C	
699-96-52B	B1VK60	7/28/08	N	Tritium	1,300	pCi/L	
699-96-52B	B1VK61	7/28/08	N	Turbidity	1.45	NTU	
699-96-52B	B1VK60	7/28/08	N	Vanadium	12	µg/L	U
699-96-52B	B1VK59	7/28/08	Y	Vanadium	12	µg/L	U
699-96-52B	B1VK59	7/28/08	Y	Zinc	9	µg/L	U
699-96-52B	B1VK60	7/28/08	N	Zinc	11.3	µg/L	
699-95-51	B1VK57	7/28/08	N	Antimony	56	µg/L	U
699-95-51	B1VK56	7/28/08	Y	Antimony	56	µg/L	U
699-95-51	B1VK57	7/28/08	N	Barium	39.1	µg/L	
699-95-51	B1VK56	7/28/08	Y	Barium	38	µg/L	
699-95-51	B1VK57	7/28/08	N	Beryllium	4	µg/L	U
699-95-51	B1VK56	7/28/08	Y	Beryllium	4	µg/L	U
699-95-51	B1VK57	7/28/08	N	Cadmium	4	µg/L	U
699-95-51	B1VK56	7/28/08	Y	Cadmium	4	µg/L	U
699-95-51	B1VK57	7/28/08	N	Calcium	67,000	µg/L	
699-95-51	B1VK56	7/28/08	Y	Calcium	64,800	µg/L	
699-95-51	B1VK57	7/28/08	N	Chloride	24,600	µg/L	D
699-95-51	B1VK57	7/28/08	N	Chromium	39.9	µg/L	
699-95-51	B1VK56	7/28/08	Y	Chromium	41.6	µg/L	
699-95-51	B1VK57	7/28/08	N	Cobalt	4	µg/L	U
699-95-51	B1VK56	7/28/08	Y	Cobalt	4	µg/L	U
699-95-51	B1VK57	7/28/08	N	Copper	6	µg/L	U
699-95-51	B1VK56	7/28/08	Y	Copper	6	µg/L	U
699-95-51	B1VK57	7/28/08	N	Fluoride	120	µg/L	BD
699-95-51	B1VK57	7/28/08	N	Gross alpha	0.85	pCi/L	U
699-95-51	B1VK57	7/28/08	N	Gross beta	6.5	pCi/L	
699-95-51	B1VKH9	7/28/08	N	Hexavalent chromium	37.9	µg/L	
699-95-51	B1VK56	7/28/08	Y	Iron	25	µg/L	U
699-95-51	B1VK57	7/28/08	N	Iron	140	µg/L	C
699-95-51	B1VK56	7/28/08	Y	Magnesium	12,500	µg/L	
699-95-51	B1VK57	7/28/08	N	Magnesium	12,200	µg/L	
699-95-51	B1VK56	7/28/08	Y	Manganese	4	µg/L	U
699-95-51	B1VK57	7/28/08	N	Manganese	4	µg/L	U
699-95-51	B1VK56	7/28/08	Y	Nickel	4	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-51	B1VK57	7/28/08	N	Nickel	4	µg/L	U
699-95-51	B1VK57	7/28/08	N	Nitrate	26,200	µg/L	D
699-95-51	B1VK57	7/28/08	N	Nitrite	84.1	µg/L	DU
699-95-51	B1VK58	7/28/08	N	pH measurement	7.69	unit-less	
699-95-51	B1VK56	7/28/08	Y	Potassium	5,700	µg/L	
699-95-51	B1VK57	7/28/08	N	Potassium	5,500	µg/L	
699-95-51	B1VK56	7/28/08	Y	Silver	5	µg/L	U
699-95-51	B1VK57	7/28/08	N	Silver	11.8	µg/L	
699-95-51	B1VK57	7/28/08	N	Sodium	12,100	µg/L	
699-95-51	B1VK56	7/28/08	Y	Sodium	12,700	µg/L	
699-95-51	B1VK58	7/28/08	N	Specific conductance	496	µS/cm	
699-95-51	B1VK56	7/28/08	Y	Strontium	399	µg/L	
699-95-51	B1VK57	7/28/08	N	Strontium	400	µg/L	
699-95-51	B1VK57	7/28/08	N	Sulfate	92,900	µg/L	D
699-95-51	B1VK58	7/28/08	N	Temperature	21.8	°C	
699-95-51	B1VK57	7/28/08	N	Tritium	2,100	pCi/L	
699-95-51	B1VK58	7/28/08	N	Turbidity	2.36	NTU	
699-95-51	B1VK56	7/28/08	Y	Vanadium	12	µg/L	U
699-95-51	B1VK57	7/28/08	N	Vanadium	12	µg/L	U
699-95-51	B1VK56	7/28/08	Y	Zinc	9	µg/L	U
699-95-51	B1VK57	7/28/08	N	Zinc	9	µg/L	U
699-95-48	B1VK53	7/28/08	Y	Antimony	56	µg/L	U
699-95-48	B1VK54	7/28/08	N	Antimony	56	µg/L	U
699-95-48	B1VK53	7/28/08	Y	Barium	35.2	µg/L	
699-95-48	B1VK54	7/28/08	N	Barium	35.2	µg/L	
699-95-48	B1VK53	7/28/08	Y	Beryllium	4	µg/L	U
699-95-48	B1VK54	7/28/08	N	Beryllium	4	µg/L	U
699-95-48	B1VK53	7/28/08	Y	Cadmium	4	µg/L	U
699-95-48	B1VK54	7/28/08	N	Cadmium	4	µg/L	U
699-95-48	B1VK54	7/28/08	N	Calcium	42,600	µg/L	
699-95-48	B1VK53	7/28/08	Y	Calcium	43,300	µg/L	
699-95-48	B1VK54	7/28/08	N	Chloride	12,200	µg/L	D
699-95-48	B1VK53	7/28/08	Y	Chromium	35.2	µg/L	B
699-95-48	B1VK54	7/28/08	N	Chromium	39.2	µg/L	B
699-95-48	B1VK53	7/28/08	Y	Cobalt	4	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-48	B1VK54	7/28/08	N	Cobalt	4	µg/L	U
699-95-48	B1VK53	7/28/08	Y	Copper	6	µg/L	U
699-95-48	B1VK54	7/28/08	N	Copper	6	µg/L	U
699-95-48	B1VK54	7/28/08	N	Fluoride	281	µg/L	D
699-95-48	B1VK54	7/28/08	N	Gross alpha	0.27	pCi/L	U
699-95-48	B1VK54	7/28/08	N	Gross beta	3.8	pCi/L	
699-95-48	B1VKH8	7/28/08	N	Hexavalent chromium	36.9	µg/L	
699-95-48	B1VK53	7/28/08	Y	Iron	25	µg/L	U
699-95-48	B1VK54	7/28/08	N	Iron	25	µg/L	U
699-95-48	B1VK53	7/28/08	Y	Magnesium	10,800	µg/L	
699-95-48	B1VK54	7/28/08	N	Magnesium	11,000	µg/L	
699-95-48	B1VK53	7/28/08	Y	Manganese	4.2	µg/L	B
699-95-48	B1VK54	7/28/08	N	Manganese	6.3	µg/L	B
699-95-48	B1VK53	7/28/08	Y	Nickel	4.5	µg/L	B
699-95-48	B1VK54	7/28/08	N	Nickel	4	µg/L	U
699-95-48	B1VK54	7/28/08	N	Nitrate	12,500	µg/L	D
699-95-48	B1VK54	7/28/08	N	Nitrite	84.1	µg/L	DU
699-95-48	B1VK55	7/28/08	N	pH measurement	7.95	unit-less	
699-95-48	B1VK53	7/28/08	Y	Potassium	5,470	µg/L	
699-95-48	B1VK54	7/28/08	N	Potassium	5,640	µg/L	
699-95-48	B1VK53	7/28/08	Y	Silver	5	µg/L	U
699-95-48	B1VK54	7/28/08	N	Silver	5	µg/L	U
699-95-48	B1VK53	7/28/08	Y	Sodium	20,800	µg/L	
699-95-48	B1VK54	7/28/08	N	Sodium	21,900	µg/L	
699-95-48	B1VK55	7/28/08	N	Specific conductance	384	µS/cm	
699-95-48	B1VK53	7/28/08	Y	Strontium	309	µg/L	
699-95-48	B1VK54	7/28/08	N	Strontium	307	µg/L	
699-95-48	B1VK54	7/28/08	N	Sulfate	52,800	µg/L	D
699-95-48	B1VK55	7/28/08	N	Temperature	18.6	°C	
699-95-48	B1VK54	7/28/08	N	Tritium	2,100	pCi/L	
699-95-48	B1VK55	7/28/08	N	Turbidity	1.57	NTU	
699-95-48	B1VK53	7/28/08	Y	Vanadium	17.3	µg/L	B
699-95-48	B1VK54	7/28/08	N	Vanadium	14	µg/L	B
699-95-48	B1VK53	7/28/08	Y	Zinc	9	µg/L	U
699-95-48	B1VK54	7/28/08	N	Zinc	9	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-45	B1VK49	7/28/08	N	Antimony	56	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Antimony	56	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Barium	51.3	µg/L	
699-95-45	B1VK49	7/28/08	N	Barium	53.8	µg/L	
699-95-45	B1VK49	7/28/08	N	Beryllium	4	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Beryllium	4	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Cadmium	4	µg/L	U
699-95-45	B1VK49	7/28/08	N	Cadmium	4	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Calcium	45,500	µg/L	
699-95-45	B1VK49	7/28/08	N	Calcium	47,500	µg/L	
699-95-45	B1VK49	7/28/08	N	Chloride	15,200	µg/L	D
699-95-45	B1VK49	7/28/08	N	Chromium	54	µg/L	B
699-95-45	B1VK48	7/28/08	Y	Chromium	52.1	µg/L	B
699-95-45	B1VK48	7/28/08	Y	Cobalt	4	µg/L	U
699-95-45	B1VK49	7/28/08	N	Cobalt	4	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Copper	6	µg/L	U
699-95-45	B1VK49	7/28/08	N	Copper	6	µg/L	U
699-95-45	B1VK49	7/28/08	N	Fluoride	206	µg/L	D
699-95-45	B1VK49	7/28/08	N	Gross alpha	1.1	pCi/L	U
699-95-45	B1VK49	7/28/08	N	Gross beta	12	pCi/L	
699-95-45	B1VKH6	7/28/08	N	Hexavalent chromium	62.6	µg/L	
699-95-45	B1VK49	7/28/08	N	Iron	25	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Iron	25	µg/L	U
699-95-45	B1VK49	7/28/08	N	Magnesium	11,700	µg/L	
699-95-45	B1VK48	7/28/08	Y	Magnesium	11,100	µg/L	
699-95-45	B1VK49	7/28/08	N	Manganese	4	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Manganese	4	µg/L	U
699-95-45	B1VK49	7/28/08	N	Nickel	4	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Nickel	4	µg/L	U
699-95-45	B1VK49	7/28/08	N	Nitrate	16,100	µg/L	D
699-95-45	B1VK49	7/28/08	N	Nitrite	84.1	µg/L	DU
699-95-45	B1VK52	7/28/08	N	pH measurement	7.89	unit-less	
699-95-45	B1VK49	7/28/08	N	Potassium	5,580	µg/L	
699-95-45	B1VK48	7/28/08	Y	Potassium	5,260	µg/L	
699-95-45	B1VK49	7/28/08	N	Silver	5	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-45	B1VK48	7/28/08	Y	Silver	5	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Sodium	22,800	µg/L	
699-95-45	B1VK49	7/28/08	N	Sodium	24,300	µg/L	
699-95-45	B1VK52	7/28/08	N	Specific conductance	417	µS/cm	
699-95-45	B1VK48	7/28/08	Y	Strontium	327	µg/L	
699-95-45	B1VK49	7/28/08	N	Strontium	342	µg/L	
699-95-45	B1VK49	7/28/08	N	Sulfate	50,900	µg/L	D
699-95-45	B1VK52	7/28/08	N	Temperature	18.3	°C	
699-95-45	B1VK49	7/28/08	N	Tritium	5,100	pCi/L	
699-95-45	B1VK52	7/28/08	N	Turbidity	2.16	NTU	
699-95-45	B1VK49	7/28/08	N	Vanadium	12	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Vanadium	12	µg/L	U
699-95-45	B1VK48	7/28/08	Y	Zinc	9	µg/L	U
699-95-45	B1VK49	7/28/08	N	Zinc	9	µg/L	U
699-94-43	B1VK41	7/29/08	Y	Antimony	4	µg/L	U
699-94-43	B1VK42	7/29/08	N	Antimony	4	µg/L	U
699-94-43	B1VK43	7/29/08	Y	Antimony	56	µg/L	U
699-94-43	B1VK44	7/29/08	N	Antimony	56	µg/L	U
699-94-43	B1VK42	7/29/08	N	Barium	77.6	µg/L	B
699-94-43	B1VK41	7/29/08	Y	Barium	79.9	µg/L	B
699-94-43	B1VK44	7/29/08	N	Barium	70.5	µg/L	
699-94-43	B1VK43	7/29/08	Y	Barium	72.4	µg/L	
699-94-43	B1VK41	7/29/08	Y	Beryllium	0.5	µg/L	U
699-94-43	B1VK42	7/29/08	N	Beryllium	0.5	µg/L	U
699-94-43	B1VK44	7/29/08	N	Beryllium	4	µg/L	U
699-94-43	B1VK43	7/29/08	Y	Beryllium	4	µg/L	U
699-94-43	B1VK42	7/29/08	N	Cadmium	0.45	µg/L	U
699-94-43	B1VK41	7/29/08	Y	Cadmium	0.45	µg/L	U
699-94-43	B1VK44	7/29/08	N	Cadmium	4	µg/L	U
699-94-43	B1VK43	7/29/08	Y	Cadmium	4	µg/L	U
699-94-43	B1VK41	7/29/08	Y	Calcium	47,900	µg/L	D
699-94-43	B1VK44	7/29/08	N	Calcium	49,100	µg/L	
699-94-43	B1VK42	7/29/08	N	Calcium	46,500	µg/L	
699-94-43	B1VK43	7/29/08	Y	Calcium	51,300	µg/L	
699-94-43	B1VK44	7/29/08	N	Chloride	15,100	µg/L	D

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-94-43	B1VK45	7/29/08	N	Chloride	182,00	µg/L	D
699-94-43	B1VK42	7/29/08	N	Chromium	40.1	µg/L	
699-94-43	B1VK41	7/29/08	Y	Chromium	40.2	µg/L	
699-94-43	B1VK44	7/29/08	N	Chromium	31.8	µg/L	B
699-94-43	B1VK43	7/29/08	Y	Chromium	37.1	µg/L	B
699-94-43	B1VK41	7/29/08	Y	Cobalt	4	µg/L	U
699-94-43	B1VK42	7/29/08	N	Cobalt	4	µg/L	U
699-94-43	B1VK44	7/29/08	N	Cobalt	4	µg/L	U
699-94-43	B1VK43	7/29/08	Y	Cobalt	4	µg/L	U
699-94-43	B1VK42	7/29/08	N	Copper	4.6	µg/L	U
699-94-43	B1VK41	7/29/08	Y	Copper	4.6	µg/L	U
699-94-43	B1VK44	7/29/08	N	Copper	6	µg/L	U
699-94-43	B1VK43	7/29/08	Y	Copper	6	µg/L	U
699-94-43	B1VK45	7/29/08	N	Fluoride	250	µg/L	
699-94-43	B1VK44	7/29/08	N	Fluoride	236	µg/L	D
699-94-43	B1VK44	7/29/08	N	Gross alpha	2.8	pCi/L	
699-94-43	B1VK46	7/29/08	N	Gross alpha	3.09	pCi/L	
699-94-43	B1VK44	7/29/08	N	Gross beta	12	pCi/L	
699-94-43	B1VK46	7/29/08	N	Gross beta	7.41	pCi/L	
699-94-43	B1VKH5	7/29/08	N	Hexavalent chromium	39.3	µg/L	
699-94-43	B1VK46	7/29/08	N	Hexavalent chromium	35	µg/L	
699-94-43	B1VK41	7/29/08	Y	Iron	80	µg/L	UD
699-94-43	B1VK42	7/29/08	N	Iron	75	µg/L	B
699-94-43	B1VK44	7/29/08	N	Iron	36.9	µg/L	B
699-94-43	B1VK43	7/29/08	Y	Iron	25	µg/L	U
699-94-43	B1VK42	7/29/08	N	Magnesium	15,400	µg/L	
699-94-43	B1VK41	7/29/08	Y	Magnesium	15,700	µg/L	
699-94-43	B1VK43	7/29/08	Y	Magnesium	15,000	µg/L	
699-94-43	B1VK44	7/29/08	N	Magnesium	15,000	µg/L	
699-94-43	B1VK41	7/29/08	Y	Manganese	4.8	µg/L	BD
699-94-43	B1VK42	7/29/08	N	Manganese	8.5	µg/L	B
699-94-43	B1VK44	7/29/08	N	Manganese	4	µg/L	U
699-94-43	B1VK43	7/29/08	Y	Manganese	4	µg/L	U
699-94-43	B1VK42	7/29/08	N	Nickel	13.3	µg/L	U
699-94-43	B1VK41	7/29/08	Y	Nickel	13.3	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-94-43	B1VK43	7/29/08	Y	Nickel	4	µg/L	U
699-94-43	B1VK44	7/29/08	N	Nickel	4	µg/L	U
699-94-43	B1VK45	7/29/08	N	Nitrate	28,100	µg/L	D
699-94-43	B1VK44	7/29/08	N	Nitrate	29,000	µg/L	D
699-94-43	B1VK45	7/29/08	N	Nitrite	250	µg/L	U
699-94-43	B1VK44	7/29/08	N	Nitrite	84.1	µg/L	DU
699-94-43	B1VK47	7/29/08	N	pH measurement	7.75	unit-less	
699-94-43	B1VK41	7/29/08	Y	Potassium	6,070	µg/L	
699-94-43	B1VK42	7/29/08	N	Potassium	4,860	µg/L	B
699-94-43	B1VK44	7/29/08	N	Potassium	6,280	µg/L	
699-94-43	B1VK43	7/29/08	Y	Potassium	6,180	µg/L	
699-94-43	B1VK42	7/29/08	N	Silver	6	µg/L	U
699-94-43	B1VK41	7/29/08	Y	Silver	6	µg/L	U
699-94-43	B1VK43	7/29/08	Y	Silver	5	µg/L	U
699-94-43	B1VK44	7/29/08	N	Silver	5	µg/L	U
699-94-43	B1VK41	7/29/08	Y	Sodium	34,600	µg/L	
699-94-43	B1VK42	7/29/08	N	Sodium	33,600	µg/L	
699-94-43	B1VK44	7/29/08	N	Sodium	30,500	µg/L	
699-94-43	B1VK43	7/29/08	Y	Sodium	29,900	µg/L	
699-94-43	B1VK47	7/29/08	N	Specific conductance	501	µS/cm	
699-94-43	B1VK42	7/29/08	N	Strontium	352	µg/L	
699-94-43	B1VK41	7/29/08	Y	Strontium	360	µg/L	D
699-94-43	B1VK44	7/29/08	N	Strontium	428	µg/L	
699-94-43	B1VK43	7/29/08	Y	Strontium	438	µg/L	
699-94-43	B1VK45	7/29/08	N	Sulfate	68,900	µg/L	D
699-94-43	B1VK44	7/29/08	N	Sulfate	64,600	µg/L	D
699-94-43	B1VK47	7/29/08	N	Temperature	18.1	°C	
699-94-43	B1VK44	7/29/08	N	Tritium	4,400	pCi/L	
699-94-43	B1VK46	7/29/08	N	Tritium	2,040	pCi/L	
699-94-43	B1VK47	7/29/08	N	Turbidity	2.25	NTU	
699-94-43	B1VK41	7/29/08	Y	Vanadium	7.8	µg/L	B
699-94-43	B1VK42	7/29/08	N	Vanadium	6.8	µg/L	B
699-94-43	B1VK43	7/29/08	Y	Vanadium	12	µg/L	U
699-94-43	B1VK44	7/29/08	N	Vanadium	16.8	µg/L	B
699-94-43	B1VK42	7/29/08	N	Zinc	5.5	µg/L	BC

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-94-43	B1VK41	7/29/08	Y	Zinc	6.3	µg/L	BC
699-94-43	B1VK44	7/29/08	N	Zinc	9.6	µg/L	B
699-94-43	B1VK43	7/29/08	Y	Zinc	9	µg/L	U
699-94-41	B1VK38	7/28/08	Y	Antimony	56	µg/L	U
699-94-41	B1VK39	7/28/08	N	Antimony	56	µg/L	U
699-94-41	B1VK39	7/28/08	N	Barium	31.5	µg/L	
699-94-41	B1VK38	7/28/08	Y	Barium	30	µg/L	
699-94-41	B1VK38	7/28/08	Y	Beryllium	4	µg/L	U
699-94-41	B1VK39	7/28/08	N	Beryllium	4	µg/L	U
699-94-41	B1VK39	7/28/08	N	Cadmium	6	µg/L	
699-94-41	B1VK38	7/28/08	Y	Cadmium	4	µg/L	U
699-94-41	B1VK38	7/28/08	Y	Calcium	42,800	µg/L	
699-94-41	B1VK39	7/28/08	N	Calcium	43,300	µg/L	
699-94-41	B1VK39	7/28/08	N	Chloride	11,600	µg/L	D
699-94-41	B1VK38	7/28/08	Y	Chromium	15	µg/L	
699-94-41	B1VK39	7/28/08	N	Chromium	21	µg/L	
699-94-41	B1VK39	7/28/08	N	Cobalt	4	µg/L	U
699-94-41	B1VK38	7/28/08	Y	Cobalt	4	µg/L	U
699-94-41	B1VK38	7/28/08	Y	Copper	6	µg/L	U
699-94-41	B1VK39	7/28/08	N	Copper	6	µg/L	U
699-94-41	B1VK39	7/28/08	N	Fluoride	304	µg/L	D
699-94-41	B1VK39	7/28/08	N	Gross alpha	1.4	pCi/L	U
699-94-41	B1VK39	7/28/08	N	Gross beta	8.4	pCi/L	
699-94-41	B1VKH4	7/28/08	N	Hexavalent chromium	14.2	µg/L	
699-94-41	B1VK38	7/28/08	Y	Iron	25	µg/L	U
699-94-41	B1VK39	7/28/08	N	Iron	63.3	µg/L	C
699-94-41	B1VK38	7/28/08	Y	Magnesium	13,500	µg/L	
699-94-41	B1VK39	7/28/08	N	Magnesium	13,200	µg/L	
699-94-41	B1VK38	7/28/08	Y	Manganese	4	µg/L	U
699-94-41	B1VK39	7/28/08	N	Manganese	6.5	µg/L	
699-94-41	B1VK38	7/28/08	Y	Nickel	4	µg/L	U
699-94-41	B1VK39	7/28/08	N	Nickel	4	µg/L	U
699-94-41	B1VK39	7/28/08	N	Nitrate	21,400	µg/L	D
699-94-41	B1VK39	7/28/08	N	Nitrite	84.1	µg/L	DU
699-94-41	B1VK40	7/28/08	N	pH measurement	7.91	unit-less	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-94-41	B1VK39	7/28/08	N	Potassium	6,140	µg/L	
699-94-41	B1VK38	7/28/08	Y	Potassium	6,170	µg/L	
699-94-41	B1VK38	7/28/08	Y	Silver	5	µg/L	U
699-94-41	B1VK39	7/28/08	N	Silver	5	µg/L	U
699-94-41	B1VK38	7/28/08	Y	Sodium	29,700	µg/L	
699-94-41	B1VK39	7/28/08	N	Sodium	28,900	µg/L	
699-94-41	B1VK40	7/28/08	N	Specific conductance	455	µS/cm	
699-94-41	B1VK38	7/28/08	Y	Strontium	361	µg/L	
699-94-41	B1VK39	7/28/08	N	Strontium	362	µg/L	
699-94-41	B1VK39	7/28/08	N	Sulfate	60,900	µg/L	D
699-94-41	B1VK40	7/28/08	N	Temperature	16.9	°C	
699-94-41	B1VK39	7/28/08	N	Tritium	2,100	pCi/L	
699-94-41	B1VK40	7/28/08	N	Turbidity	2.97	NTU	
699-94-41	B1VK39	7/28/08	N	Vanadium	13.1	µg/L	
699-94-41	B1VK38	7/28/08	Y	Vanadium	12	µg/L	U
699-94-41	B1VK38	7/28/08	Y	Zinc	9	µg/L	U
699-94-41	B1VK39	7/28/08	N	Zinc	9.5	µg/L	
699-101-45	B1VK35	7/30/08	Y	Antimony	56	µg/L	U
699-101-45	B1VK36	7/30/08	N	Antimony	56	µg/L	U
699-101-45	B1VK35	7/30/08	Y	Barium	24.9	µg/L	
699-101-45	B1VK36	7/30/08	N	Barium	25.7	µg/L	
699-101-45	B1VK35	7/30/08	Y	Beryllium	4	µg/L	U
699-101-45	B1VK36	7/30/08	N	Beryllium	4	µg/L	U
699-101-45	B1VK35	7/30/08	Y	Cadmium	4	µg/L	U
699-101-45	B1VK36	7/30/08	N	Cadmium	4	µg/L	U
699-101-45	B1VK35	7/30/08	Y	Calcium	31,600	µg/L	
699-101-45	B1VK36	7/30/08	N	Calcium	32,600	µg/L	
699-101-45	B1VK36	7/30/08	N	Chloride	4,790	µg/L	D
699-101-45	B1VK36	7/30/08	N	Chromium	13.4	µg/L	
699-101-45	B1VK35	7/30/08	Y	Chromium	19.5	µg/L	
699-101-45	B1VK35	7/30/08	Y	Cobalt	4	µg/L	U
699-101-45	B1VK36	7/30/08	N	Cobalt	4	µg/L	U
699-101-45	B1VK36	7/30/08	N	Copper	6	µg/L	U
699-101-45	B1VK35	7/30/08	Y	Copper	6	µg/L	U
699-101-45	B1VK36	7/30/08	N	Fluoride	101	µg/L	BD

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-101-45	B1VK36	7/30/08	N	Gross alpha	1.8	pCi/L	
699-101-45	B1VK36	7/30/08	N	Gross beta	4.6	pCi/L	
699-101-45	B1VKH3	7/30/08	N	Hexavalent chromium	12.7	µg/L	
699-101-45	B1VK36	7/30/08	N	Iron	25	µg/L	U
699-101-45	B1VK35	7/30/08	Y	Iron	25	µg/L	U
699-101-45	B1VK35	7/30/08	Y	Magnesium	6,980	µg/L	
699-101-45	B1VK36	7/30/08	N	Magnesium	7,020	µg/L	
699-101-45	B1VK36	7/30/08	N	Manganese	4	µg/L	U
699-101-45	B1VK35	7/30/08	Y	Manganese	4	µg/L	U
699-101-45	B1VK35	7/30/08	Y	Nickel	4	µg/L	U
699-101-45	B1VK36	7/30/08	N	Nickel	4	µg/L	U
699-101-45	B1VK36	7/30/08	N	Nitrate	7,130	µg/L	D
699-101-45	B1VK36	7/30/08	N	Nitrite	84.1	µg/L	DU
699-101-45	B1VK37	7/30/08	N	pH measurement	7.59	unit-less	
699-101-45	B1VK36	7/30/08	N	Potassium	3,220	µg/L	
699-101-45	B1VK35	7/30/08	Y	Potassium	3,220	µg/L	
699-101-45	B1VK35	7/30/08	Y	Silver	5	µg/L	U
699-101-45	B1VK36	7/30/08	N	Silver	5	µg/L	U
699-101-45	B1VK36	7/30/08	N	Sodium	8,150	µg/L	
699-101-45	B1VK35	7/30/08	Y	Sodium	8,220	µg/L	
699-101-45	B1VK37	7/30/08	N	Specific conductance	263	µS/cm	
699-101-45	B1VK35	7/30/08	Y	Strontium	195	µg/L	
699-101-45	B1VK36	7/30/08	N	Strontium	200	µg/L	
699-101-45	B1VK36	7/30/08	N	Sulfate	26,100	µg/L	D
699-101-45	B1VK37	7/30/08	N	Temperature	16.5	°C	
699-101-45	B1VK36	7/30/08	N	Tritium	560	pCi/L	
699-101-45	B1VK37	7/30/08	N	Turbidity	1.09	NTU	
699-101-45	B1VK36	7/30/08	N	Vanadium	12	µg/L	U
699-101-45	B1VK35	7/30/08	Y	Vanadium	12	µg/L	U
699-101-45	B1VK35	7/30/08	Y	Zinc	9	µg/L	U
699-101-45	B1VK36	7/30/08	N	Zinc	9	µg/L	U
699-100-43B	B1VK33	7/28/08	N	Antimony	56	µg/L	U
699-100-43B	B1VK32	7/28/08	Y	Antimony	56	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Antimony	56	µg/L	U
699-100-43B	B1VK30	7/28/08	Y	Antimony	56	µg/L	U

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-100-43B	B1VK33	7/28/08	N	Barium	30.9	µg/L	
699-100-43B	B1VK30	7/28/08	Y	Barium	29.7	µg/L	
699-100-43B	B1VK31	7/28/08	N	Barium	28.7	µg/L	
699-100-43B	B1VK32	7/28/08	Y	Barium	29.5	µg/L	
699-100-43B	B1VK33	7/28/08	N	Beryllium	4	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Beryllium	4	µg/L	U
699-100-43B	B1VK32	7/28/08	Y	Beryllium	4	µg/L	U
699-100-43B	B1VK30	7/28/08	Y	Beryllium	4	µg/L	U
699-100-43B	B1VK30	7/28/08	Y	Cadmium	4	µg/L	U
699-100-43B	B1VK32	7/28/08	Y	Cadmium	4	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Cadmium	4	µg/L	U
699-100-43B	B1VK33	7/28/08	N	Cadmium	4	µg/L	U
699-100-43B	B1VK30	7/28/08	Y	Calcium	29,200	µg/L	
699-100-43B	B1VK31	7/28/08	N	Calcium	29,900	µg/L	
699-100-43B	B1VK32	7/28/08	Y	Calcium	29,200	µg/L	
699-100-43B	B1VK33	7/28/08	N	Calcium	30,100	µg/L	
699-100-43B	B1VK33	7/28/08	N	Chloride	4,900	µg/L	D
699-100-43B	B1VK31	7/28/08	N	Chloride	5,010	µg/L	D
699-100-43B	B1VK30	7/28/08	Y	Chromium	17.1	µg/L	
699-100-43B	B1VK32	7/28/08	Y	Chromium	18.6	µg/L	
699-100-43B	B1VK31	7/28/08	N	Chromium	13.7	µg/L	
699-100-43B	B1VK33	7/28/08	N	Chromium	13.6	µg/L	
699-100-43B	B1VK30	7/28/08	Y	Cobalt	4	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Cobalt	4	µg/L	U
699-100-43B	B1VK32	7/28/08	Y	Cobalt	4	µg/L	U
699-100-43B	B1VK33	7/28/08	N	Cobalt	4	µg/L	U
699-100-43B	B1VK30	7/28/08	Y	Copper	6	µg/L	U
699-100-43B	B1VK32	7/28/08	Y	Copper	6	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Copper	6	µg/L	U
699-100-43B	B1VK33	7/28/08	N	Copper	6	µg/L	U
699-100-43B	B1VK33	7/28/08	N	Fluoride	46.4	µg/L	DU
699-100-43B	B1VK31	7/28/08	N	Fluoride	54.7	µg/L	BD
699-100-43B	B1VK31	7/28/08	N	Gross alpha	0.91	pCi/L	U
699-100-43B	B1VK33	7/28/08	N	Gross alpha	0.5	pCi/L	U
699-100-43B	B1VK33	7/28/08	N	Gross beta	2.4	pCi/L	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-100-43B	B1VK31	7/28/08	N	Gross beta	1.7	pCi/L	
699-100-43B	B1VKH1	7/28/08	N	Hexavalent chromium	12.9	µg/L	
699-100-43B	B1VKH2	7/28/08	N	Hexavalent chromium	12.9	µg/L	
699-100-43B	B1VK32	7/28/08	Y	Iron	25	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Iron	25	µg/L	U
699-100-43B	B1VK30	7/28/08	Y	Iron	25	µg/L	U
699-100-43B	B1VK33	7/28/08	N	Iron	25	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Magnesium	6,260	µg/L	
699-100-43B	B1VK32	7/28/08	Y	Magnesium	6,520	µg/L	
699-100-43B	B1VK30	7/28/08	Y	Magnesium	6,510	µg/L	
699-100-43B	B1VK33	7/28/08	N	Magnesium	6,730	µg/L	
699-100-43B	B1VK32	7/28/08	Y	Manganese	4	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Manganese	4	µg/L	U
699-100-43B	B1VK30	7/28/08	Y	Manganese	4	µg/L	U
699-100-43B	B1VK33	7/28/08	N	Manganese	4	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Nickel	4	µg/L	U
699-100-43B	B1VK32	7/28/08	Y	Nickel	4	µg/L	U
699-100-43B	B1VK30	7/28/08	Y	Nickel	4	µg/L	U
699-100-43B	B1VK33	7/28/08	N	Nickel	4	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Nitrate	7,170	µg/L	D
699-100-43B	B1VK33	7/28/08	N	Nitrate	7,220	µg/L	D
699-100-43B	B1VK31	7/28/08	N	Nitrite	84.1	µg/L	DU
699-100-43B	B1VK33	7/28/08	N	Nitrite	84.1	µg/L	DU
699-100-43B	B1VK34	7/28/08	N	pH measurement	7.46	unit-less	
699-100-43B	B1VK31	7/28/08	N	Potassium	1,730	µg/L	
699-100-43B	B1VK32	7/28/08	Y	Potassium	1,830	µg/L	
699-100-43B	B1VK30	7/28/08	Y	Potassium	1,840	µg/L	
699-100-43B	B1VK33	7/28/08	N	Potassium	1,900	µg/L	
699-100-43B	B1VK32	7/28/08	Y	Silver	5	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Silver	5	µg/L	U
699-100-43B	B1VK30	7/28/08	Y	Silver	5	µg/L	U
699-100-43B	B1VK33	7/28/08	N	Silver	5	µg/L	U
699-100-43B	B1VK30	7/28/08	Y	Sodium	5,070	µg/L	
699-100-43B	B1VK31	7/28/08	N	Sodium	4,660	µg/L	
699-100-43B	B1VK32	7/28/08	Y	Sodium	5,030	µg/L	

Table B-3. Third Round Results for Groundwater Sampling of New Wells. (35 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-100-43B	B1VK33	7/28/08	N	Sodium	5,210	µg/L	
699-100-43B	B1VK34	7/28/08	N	Specific conductance	228	µS/cm	
699-100-43B	B1VK30	7/28/08	Y	Strontium	185	µg/L	
699-100-43B	B1VK32	7/28/08	Y	Strontium	184	µg/L	
699-100-43B	B1VK31	7/28/08	N	Strontium	181	µg/L	
699-100-43B	B1VK33	7/28/08	N	Strontium	190	µg/L	
699-100-43B	B1VK33	7/28/08	N	Sulfate	25,000	µg/L	D
699-100-43B	B1VK31	7/28/08	N	Sulfate	24,900	µg/L	D
699-100-43B	B1VK34	7/28/08	N	Temperature	15.8	°C	
699-100-43B	B1VK33	7/28/08	N	Tritium	490	pCi/L	
699-100-43B	B1VK31	7/28/08	N	Tritium	490	pCi/L	
699-100-43B	B1VK34	7/28/08	N	Turbidity	2.69	NTU	
699-100-43B	B1VK30	7/28/08	Y	Vanadium	12	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Vanadium	12	µg/L	U
699-100-43B	B1VK32	7/28/08	Y	Vanadium	12	µg/L	U
699-100-43B	B1VK33	7/28/08	N	Vanadium	12	µg/L	U
699-100-43B	B1VK30	7/28/08	Y	Zinc	9	µg/L	U
699-100-43B	B1VK31	7/28/08	N	Zinc	9	µg/L	U
699-100-43B	B1VK33	7/28/08	N	Zinc	9	µg/L	U
699-100-43B	B1VK32	7/28/08	Y	Zinc	9	µg/L	U

Laboratory qualifiers:

B = Inorganics and Wetchem: The analyte was detected at a value less than the contract required detection limit, but greater than or equal to the instrument detection limit or method detection limit (as appropriate).

C = The analyte was detected in both the sample and the associated quality control blank, and the sample concentration was less than or equal to five times the blank concentration.

D = Analyte was reported at a secondary dilution factor, typically dilution factor greater than one (i.e., the primary preparation required dilution to either bring the analyte within the calibration range or to minimize interference). Required for organics/Wetchem if the sample was diluted.

U = Analyzed for but not detected above limiting criteria. Limiting criteria may be any of the following: reported value less than zero; reported value less than counting error; reported value less than total analytical error; reported value less than or equal to contract instrument detection limit/method detection limit/minimum detectable activity/practical quantitation limit. Note: When another qualifier accompanies a "U" qualifier the result is always considered non-detected. The qualifier combinations "UJ" and "UL" indicate that the result was non-detected, but the detection limit (i.e., value reported in the "Reported Value" column) was estimated.

Radionuclides: The associated quality control sample blank has a result greater than or equal to two times the minimum detectable activity and, after corrections, the result is greater than or equal to the minimum detectable activity for this sample.

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-44	B1X5L0	11/13/08	Y	Antimony	4	µg/L	U
699-99-44	B1X5L1	11/13/08	N	Antimony	4	µg/L	U
699-99-44	B1X5L2	11/13/08	Y	Antimony	56	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Antimony	56	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Barium	46.8	µg/L	
699-99-44	B1X5L2	11/13/08	Y	Barium	43.9	µg/L	
699-99-44	B1X5L1	11/13/08	N	Barium	55.5	µg/L	B
699-99-44	B1X5L0	11/13/08	Y	Barium	54.4	µg/L	B
699-99-44	B1X5L0	11/13/08	Y	Beryllium	0.5	µg/L	U
699-99-44	B1X5L1	11/13/08	N	Beryllium	0.5	µg/L	U
699-99-44	B1X5L2	11/13/08	Y	Beryllium	4	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Beryllium	4	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Cadmium	4	µg/L	U
699-99-44	B1X5L2	11/13/08	Y	Cadmium	4	µg/L	U
699-99-44	B1X5L1	11/13/08	N	Cadmium	0.45	µg/L	U
699-99-44	B1X5L0	11/13/08	Y	Cadmium	0.45	µg/L	U
699-99-44	B1X5L0	11/13/08	Y	Calcium	55,200	µg/L	D
699-99-44	B1X5L1	11/13/08	N	Calcium	55,200	µg/L	D
699-99-44	B1X5L2	11/13/08	Y	Calcium	51,600	µg/L	
699-99-44	B1X5L3	11/13/08	N	Calcium	53,200	µg/L	
699-99-44	B1X5L3	11/13/08	N	Chloride	12,300	µg/L	D
699-99-44	B1X5L2	11/13/08	Y	Chromium	37.2	µg/L	B
699-99-44	B1X5L3	11/13/08	N	Chromium	37.9	µg/L	B
699-99-44	B1X5L1	11/13/08	N	Chromium	47.3	µg/L	
699-99-44	B1X5L0	11/13/08	Y	Chromium	47.8	µg/L	
699-99-44	B1X5L0	11/13/08	Y	Cobalt	4	µg/L	U
699-99-44	B1X5L1	11/13/08	N	Cobalt	4	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Cobalt	4	µg/L	U
699-99-44	B1X5L2	11/13/08	Y	Cobalt	4	µg/L	U
699-99-44	B1X5L2	11/13/08	Y	Copper	6	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Copper	6	µg/L	U
699-99-44	B1X5L1	11/13/08	N	Copper	4.6	µg/L	U
699-99-44	B1X5L0	11/13/08	Y	Copper	4.6	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Fluoride	138	µg/L	BD
699-99-44	B1X5L3	11/13/08	N	Gross alpha	0.1	pCi/L	U
699-99-44	B1X5L5	11/13/08	N	Gross alpha	0.651	pCi/L	U
699-99-44	B1X5L3	11/13/08	N	Gross beta	5.5	pCi/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-44	B1X5L5	11/13/08	N	Gross beta	4.97	pCi/L	
699-99-44	B1X5P7	11/13/08	N	Hexavalent chromium	43.5	µg/L	
699-99-44	B1X5L5	11/13/08	N	Hexavalent chromium	44	µg/L	
699-99-44	B1X5L0	11/13/08	Y	Iron	16	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Iron	25	µg/L	U
699-99-44	B1X5L1	11/13/08	N	Iron	32.8	µg/L	B
699-99-44	B1X5L2	11/13/08	Y	Iron	25	µg/L	U
699-99-44	B1X5L0	11/13/08	Y	Magnesium	11,600	µg/L	
699-99-44	B1X5L2	11/13/08	Y	Magnesium	10,500	µg/L	
699-99-44	B1X5L1	11/13/08	N	Magnesium	11,500	µg/L	
699-99-44	B1X5L3	11/13/08	N	Magnesium	10,800	µg/L	
699-99-44	B1X5L0	11/13/08	Y	Manganese	0.96	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Manganese	4	µg/L	U
699-99-44	B1X5L1	11/13/08	N	Manganese	2	µg/L	B
699-99-44	B1X5L2	11/13/08	Y	Manganese	4	µg/L	U
699-99-44	B1X5L0	11/13/08	Y	Nickel	13.3	µg/L	U
699-99-44	B1X5L2	11/13/08	Y	Nickel	4	µg/L	U
699-99-44	B1X5L1	11/13/08	N	Nickel	13.3	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Nickel	4	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Nitrate	27,200	µg/L	D
699-99-44	B1X5L3	11/13/08	N	Nitrite	84.1	µg/L	DU
699-99-44	B1X5L6	11/13/08	N	pH measurement	7.71	unit-less	
699-99-44	B1X5L0	11/13/08	Y	Potassium	2,620	µg/L	B
699-99-44	B1X5L3	11/13/08	N	Potassium	4,650	µg/L	
699-99-44	B1X5L1	11/13/08	N	Potassium	5,220	µg/L	
699-99-44	B1X5L2	11/13/08	Y	Potassium	4,490	µg/L	
699-99-44	B1X5L0	11/13/08	Y	Silver	6	µg/L	U
699-99-44	B1X5L2	11/13/08	Y	Silver	5	µg/L	U
699-99-44	B1X5L1	11/13/08	N	Silver	6	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Silver	5	µg/L	U
699-99-44	B1X5L0	11/13/08	Y	Sodium	13,100	µg/L	
699-99-44	B1X5L3	11/13/08	N	Sodium	11,600	µg/L	
699-99-44	B1X5L1	11/13/08	N	Sodium	12,800	µg/L	
699-99-44	B1X5L2	11/13/08	Y	Sodium	11,300	µg/L	
699-99-44	B1X5L6	11/13/08	N	Specific conductance	423	µS/cm	
699-99-44	B1X5L0	11/13/08	Y	Strontium	263	µg/L	D
699-99-44	B1X5L2	11/13/08	Y	Strontium	337	µg/L	
699-99-44	B1X5L1	11/13/08	N	Strontium	264	µg/L	D

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-44	B1X5L3	11/13/08	N	Strontium	345	µg/L	
699-99-44	B1X5L3	11/13/08	N	Sulfate	62,600	µg/L	D
699-99-44	B1X5L6	11/13/08	N	Temperature	17.4	°C	
699-99-44	B1X5L3	11/13/08	N	Tritium	1,300	pCi/L	
699-99-44	B1X5L5	11/13/08	N	Tritium	1,310	pCi/L	
699-99-44	B1X5L6	11/13/08	N	Turbidity	0.61	NTU	
699-99-44	B1X5L3	11/13/08	N	Vanadium	12	µg/L	U
699-99-44	B1X5L2	11/13/08	Y	Vanadium	12.9	µg/L	B
699-99-44	B1X5L0	11/13/08	Y	Vanadium	13	µg/L	B
699-99-44	B1X5L1	11/13/08	N	Vanadium	13.2	µg/L	B
699-99-44	B1X5L1	11/13/08	N	Zinc	5.2	µg/L	U
699-99-44	B1X5L0	11/13/08	Y	Zinc	5.2	µg/L	U
699-99-44	B1X5L2	11/13/08	Y	Zinc	9	µg/L	U
699-99-44	B1X5L3	11/13/08	N	Zinc	9	µg/L	U
699-99-42B	B1X5K8	11/7/08	N	Antimony	60	µg/L	U
699-99-42B	B1X5K7	11/7/08	Y	Antimony	60	µg/L	U
699-99-42B	B1X5K7	11/7/08	Y	Barium	25.2	µg/L	
699-99-42B	B1X5K8	11/7/08	N	Barium	23.7	µg/L	
699-99-42B	B1X5K8	11/7/08	N	Beryllium	4	µg/L	U
699-99-42B	B1X5K7	11/7/08	Y	Beryllium	4	µg/L	U
699-99-42B	B1X5K7	11/7/08	Y	Cadmium	4	µg/L	U
699-99-42B	B1X5K8	11/7/08	N	Cadmium	4	µg/L	U
699-99-42B	B1X5K7	11/7/08	Y	Calcium	46,300	µg/L	
699-99-42B	B1X5K8	11/7/08	N	Calcium	43,000	µg/L	
699-99-42B	B1X5K8	11/7/08	N	Chloride	9,340	µg/L	D
699-99-42B	B1X5K7	11/7/08	Y	Chromium	36.9	µg/L	
699-99-42B	B1X5K8	11/7/08	N	Chromium	34.9	µg/L	
699-99-42B	B1X5K7	11/7/08	Y	Cobalt	5	µg/L	U
699-99-42B	B1X5K8	11/7/08	N	Cobalt	5	µg/L	U
699-99-42B	B1X5K7	11/7/08	Y	Copper	6	µg/L	U
699-99-42B	B1X5K8	11/7/08	N	Copper	6	µg/L	U
699-99-42B	B1X5K8	11/7/08	N	Fluoride	50	µg/L	UD
699-99-42B	B1X5K8	11/7/08	N	Gross alpha	0.774	pCi/L	U
699-99-42B	B1X5K8	11/7/08	N	Gross beta	5.53	pCi/L	
699-99-42B	B1X5P6	11/7/08	N	Hexavalent chromium	45.1	µg/L	
699-99-42B	B1X5K7	11/7/08	Y	Iron	20	µg/L	U
699-99-42B	B1X5K8	11/7/08	N	Iron	20.9	µg/L	B
699-99-42B	B1X5K8	11/7/08	N	Magnesium	8,830	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-42B	B1X5K7	11/7/08	Y	Magnesium	9,520	µg/L	
699-99-42B	B1X5K7	11/7/08	Y	Manganese	4	µg/L	U
699-99-42B	B1X5K8	11/7/08	N	Manganese	4	µg/L	U
699-99-42B	B1X5K8	11/7/08	N	Nickel	6	µg/L	U
699-99-42B	B1X5K7	11/7/08	Y	Nickel	6	µg/L	U
699-99-42B	B1X5K8	11/7/08	N	Nitrate	20,200	µg/L	D
699-99-42B	B1X5K8	11/7/08	N	Nitrite	98.5	µg/L	UDN
699-99-42B	B1X5K9	11/7/08	N	pH measurement	7.2	unit-less	
699-99-42B	B1X5K7	11/7/08	Y	Potassium	4,140	µg/L	
699-99-42B	B1X5K8	11/7/08	N	Potassium	3,930	µg/L	
699-99-42B	B1X5K8	11/7/08	N	Silver	5	µg/L	U
699-99-42B	B1X5K7	11/7/08	Y	Silver	5	µg/L	U
699-99-42B	B1X5K7	11/7/08	Y	Sodium	11,500	µg/L	
699-99-42B	B1X5K8	11/7/08	N	Sodium	10,700	µg/L	
699-99-42B	B1X5K9	11/7/08	N	Specific conductance	357	µS/cm	
699-99-42B	B1X5K7	11/7/08	Y	Strontium	290	µg/L	
699-99-42B	B1X5K8	11/7/08	N	Strontium	273	µg/L	
699-99-42B	B1X5K8	11/7/08	N	Sulfate	45,900	µg/L	D
699-99-42B	B1X5K9	11/7/08	N	Temperature	14.9	°C	
699-99-42B	B1X5K8	11/7/08	N	Tritium	1,200	pCi/L	
699-99-42B	B1X5K9	11/7/08	N	Turbidity	0.68	NTU	
699-99-42B	B1X5K7	11/7/08	Y	Vanadium	10	µg/L	U
699-99-42B	B1X5K8	11/7/08	N	Vanadium	10	µg/L	U
699-99-42B	B1X5K7	11/7/08	Y	Zinc	9	µg/L	U
699-99-42B	B1X5K8	11/7/08	N	Zinc	9	µg/L	U
699-99-41	B1X5K4	11/7/08	Y	Antimony	60	µg/L	U
699-99-41	B1X5K5	11/7/08	N	Antimony	60	µg/L	U
699-99-41	B1X5K4	11/7/08	Y	Barium	29.9	µg/L	
699-99-41	B1X5K5	11/7/08	N	Barium	31.5	µg/L	
699-99-41	B1X5K4	11/7/08	Y	Beryllium	4	µg/L	U
699-99-41	B1X5K5	11/7/08	N	Beryllium	4	µg/L	U
699-99-41	B1X5K4	11/7/08	Y	Cadmium	4	µg/L	U
699-99-41	B1X5K5	11/7/08	N	Cadmium	4	µg/L	U
699-99-41	B1X5K4	11/7/08	Y	Calcium	43,900	µg/L	
699-99-41	B1X5K5	11/7/08	N	Calcium	46,300	µg/L	
699-99-41	B1X5K5	11/7/08	N	Chloride	12,200	µg/L	D
699-99-41	B1X5K4	11/7/08	Y	Chromium	43.4	µg/L	
699-99-41	B1X5K5	11/7/08	N	Chromium	47.2	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-99-41	B1X5K4	11/7/08	Y	Cobalt	5	µg/L	U
699-99-41	B1X5K5	11/7/08	N	Cobalt	5	µg/L	U
699-99-41	B1X5K4	11/7/08	Y	Copper	6	µg/L	U
699-99-41	B1X5K5	11/7/08	N	Copper	6	µg/L	U
699-99-41	B1X5K5	11/7/08	N	Fluoride	71.7	µg/L	BD
699-99-41	B1X5K5	11/7/08	N	Gross alpha	0.328	pCi/L	U
699-99-41	B1X5K5	11/7/08	N	Gross beta	8.04	pCi/L	
699-99-41	B1X5P5	11/7/08	N	Hexavalent chromium	50.5	µg/L	
699-99-41	B1X5K5	11/7/08	N	Iron	36.8	µg/L	B
699-99-41	B1X5K4	11/7/08	Y	Iron	36.4	µg/L	B
699-99-41	B1X5K5	11/7/08	N	Magnesium	10,300	µg/L	
699-99-41	B1X5K4	11/7/08	Y	Magnesium	10,500	µg/L	
699-99-41	B1X5K5	11/7/08	N	Manganese	4	µg/L	U
699-99-41	B1X5K4	11/7/08	Y	Manganese	4	µg/L	U
699-99-41	B1X5K5	11/7/08	N	Nickel	6	µg/L	U
699-99-41	B1X5K4	11/7/08	Y	Nickel	6	µg/L	U
699-99-41	B1X5K5	11/7/08	N	Nitrate	21,500	µg/L	D
699-99-41	B1X5K5	11/7/08	N	Nitrite	98.5	µg/L	UD
699-99-41	B1X5K6	11/7/08	N	pH measurement	7.28	unit-less	
699-99-41	B1X5K5	11/7/08	N	Potassium	5,050	µg/L	
699-99-41	B1X5K4	11/7/08	Y	Potassium	5,260	µg/L	
699-99-41	B1X5K5	11/7/08	N	Silver	5.4	µg/L	B
699-99-41	B1X5K4	11/7/08	Y	Silver	5	µg/L	U
699-99-41	B1X5K5	11/7/08	N	Sodium	15,600	µg/L	
699-99-41	B1X5K4	11/7/08	Y	Sodium	16,700	µg/L	
699-99-41	B1X5K6	11/7/08	N	Specific conductance	380	µS/cm	
699-99-41	B1X5K5	11/7/08	N	Strontium	337	µg/L	
699-99-41	B1X5K4	11/7/08	Y	Strontium	334	µg/L	
699-99-41	B1X5K5	11/7/08	N	Sulfate	46,900	µg/L	D
699-99-41	B1X5K6	11/7/08	N	Temperature	16.4	°C	
699-99-41	B1X5K5	11/7/08	N	Tritium	2,510	pCi/L	
699-99-41	B1X5K6	11/7/08	N	Turbidity	1.44	NTU	
699-99-41	B1X5K4	11/7/08	Y	Vanadium	10	µg/L	U
699-99-41	B1X5K5	11/7/08	N	Vanadium	10	µg/L	U
699-99-41	B1X5K4	11/7/08	Y	Zinc	9	µg/L	U
699-99-41	B1X5K5	11/7/08	N	Zinc	9	µg/L	U
699-98-51	B1X5K1	11/7/08	Y	Antimony	60	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Antimony	60	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-51	B1X5K1	11/7/08	Y	Barium	37.9	µg/L	
699-98-51	B1X5K2	11/7/08	N	Barium	39.6	µg/L	
699-98-51	B1X5K1	11/7/08	Y	Beryllium	4	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Beryllium	4	µg/L	U
699-98-51	B1X5K1	11/7/08	Y	Cadmium	4	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Cadmium	4	µg/L	U
699-98-51	B1X5K1	11/7/08	Y	Calcium	34,600	µg/L	
699-98-51	B1X5K2	11/7/08	N	Calcium	35,200	µg/L	
699-98-51	B1X5K2	11/7/08	N	Chloride	6,290	µg/L	D
699-98-51	B1X5K1	11/7/08	Y	Chromium	10	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Chromium	10	µg/L	U
699-98-51	B1X5K1	11/7/08	Y	Cobalt	5	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Cobalt	5	µg/L	U
699-98-51	B1X5K1	11/7/08	Y	Copper	6	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Copper	6	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Fluoride	50	µg/L	UD
699-98-51	B1X5K2	11/7/08	N	Gross alpha	-0.335	pCi/L	U
699-98-51	B1X5K2	11/7/08	N	Gross beta	3.48	pCi/L	
699-98-51	B1X5P4	11/7/08	N	Hexavalent chromium	8.1	µg/L	
699-98-51	B1X5K1	11/7/08	Y	Iron	20	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Iron	53.4	µg/L	B
699-98-51	B1X5K1	11/7/08	Y	Magnesium	7,940	µg/L	
699-98-51	B1X5K2	11/7/08	N	Magnesium	8,510	µg/L	
699-98-51	B1X5K1	11/7/08	Y	Manganese	4	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Manganese	4	µg/L	U
699-98-51	B1X5K1	11/7/08	Y	Nickel	6	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Nickel	6	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Nitrate	7,970	µg/L	D
699-98-51	B1X5K2	11/7/08	N	Nitrite	98.5	µg/L	UD
699-98-51	B1X5K3	11/7/08	N	pH measurement	6.55	unit-less	
699-98-51	B1X5K1	11/7/08	Y	Potassium	2,020	µg/L	
699-98-51	B1X5K2	11/7/08	N	Potassium	2,170	µg/L	
699-98-51	B1X5K1	11/7/08	Y	Silver	5	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Silver	5	µg/L	U
699-98-51	B1X5K1	11/7/08	Y	Sodium	6,550	µg/L	
699-98-51	B1X5K2	11/7/08	N	Sodium	7,320	µg/L	
699-98-51	B1X5K3	11/7/08	N	Specific conductance	267	µS/cm	
699-98-51	B1X5K1	11/7/08	Y	Strontium	225	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-51	B1X5K2	11/7/08	N	Strontium	232	µg/L	
699-98-51	B1X5K2	11/7/08	N	Sulfate	30,600	µg/L	D
699-98-51	B1X5K3	11/7/08	N	Temperature	15.4	°C	
699-98-51	B1X5K2	11/7/08	N	Tritium	530	pCi/L	
699-98-51	B1X5K3	11/7/08	N	Turbidity	2.77	NTU	
699-98-51	B1X5K1	11/7/08	Y	Vanadium	10	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Vanadium	10	µg/L	U
699-98-51	B1X5K1	11/7/08	Y	Zinc	9	µg/L	U
699-98-51	B1X5K2	11/7/08	N	Zinc	9	µg/L	U
699-98-46	B1X5J6	11/7/08	Y	Antimony	60	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Antimony	60	µg/L	U
699-98-46	B1X5J8	11/7/08	Y	Antimony	60	µg/L	U
699-98-46	B1X5J9	11/7/08	N	Antimony	60	µg/L	U
699-98-46	B1X5J6	11/7/08	Y	Barium	62.2	µg/L	
699-98-46	B1X5J9	11/7/08	N	Barium	63.8	µg/L	
699-98-46	B1X5J8	11/7/08	Y	Barium	66	µg/L	
699-98-46	B1X5J7	11/7/08	N	Barium	63.1	µg/L	
699-98-46	B1X5J6	11/7/08	Y	Beryllium	4	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Beryllium	4	µg/L	U
699-98-46	B1X5J8	11/7/08	Y	Beryllium	4	µg/L	U
699-98-46	B1X5J9	11/7/08	N	Beryllium	4	µg/L	U
699-98-46	B1X5J6	11/7/08	Y	Cadmium	4	µg/L	U
699-98-46	B1X5J9	11/7/08	N	Cadmium	4	µg/L	U
699-98-46	B1X5J8	11/7/08	Y	Cadmium	4	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Cadmium	4	µg/L	U
699-98-46	B1X5J6	11/7/08	Y	Calcium	56,200	µg/L	
699-98-46	B1X5J7	11/7/08	N	Calcium	57,400	µg/L	
699-98-46	B1X5J8	11/7/08	Y	Calcium	57,000	µg/L	
699-98-46	B1X5J9	11/7/08	N	Calcium	57,200	µg/L	
699-98-46	B1X5J7	11/7/08	N	Chloride	14,300	µg/L	D
699-98-46	B1X5J9	11/7/08	N	Chloride	14,400	µg/L	D
699-98-46	B1X5J6	11/7/08	Y	Chromium	46	µg/L	
699-98-46	B1X5J9	11/7/08	N	Chromium	41.1	µg/L	
699-98-46	B1X5J7	11/7/08	N	Chromium	44.4	µg/L	
699-98-46	B1X5J8	11/7/08	Y	Chromium	42.8	µg/L	
699-98-46	B1X5J6	11/7/08	Y	Cobalt	5	µg/L	U
699-98-46	B1X5J8	11/7/08	Y	Cobalt	5	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Cobalt	5	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-46	B1X5J9	11/7/08	N	Cobalt	5	µg/L	U
699-98-46	B1X5J6	11/7/08	Y	Copper	6	µg/L	U
699-98-46	B1X5J9	11/7/08	N	Copper	6	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Copper	6	µg/L	U
699-98-46	B1X5J8	11/7/08	Y	Copper	6	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Fluoride	50	µg/L	UD
699-98-46	B1X5J9	11/7/08	N	Fluoride	50	µg/L	UD
699-98-46	B1X5J9	11/7/08	N	Gross alpha	0.239	pCi/L	U
699-98-46	B1X5J7	11/7/08	N	Gross alpha	-0.107	pCi/L	U
699-98-46	B1X5J7	11/7/08	N	Gross beta	8.41	pCi/L	
699-98-46	B1X5J9	11/7/08	N	Gross beta	9.12	pCi/L	
699-98-46	B1X5P2	11/7/08	N	Hexavalent chromium	50.4	µg/L	
699-98-46	B1X5P3	11/7/08	N	Hexavalent chromium	50.4	µg/L	
699-98-46	B1X5J6	11/7/08	Y	Iron	21.8	µg/L	B
699-98-46	B1X5J7	11/7/08	N	Iron	51	µg/L	B
699-98-46	B1X5J9	11/7/08	N	Iron	60.9	µg/L	B
699-98-46	B1X5J8	11/7/08	Y	Iron	20	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Magnesium	11,800	µg/L	
699-98-46	B1X5J6	11/7/08	Y	Magnesium	11,900	µg/L	
699-98-46	B1X5J9	11/7/08	N	Magnesium	11,800	µg/L	
699-98-46	B1X5J8	11/7/08	Y	Magnesium	11,700	µg/L	
699-98-46	B1X5J6	11/7/08	Y	Manganese	4	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Manganese	4	µg/L	U
699-98-46	B1X5J9	11/7/08	N	Manganese	4	µg/L	U
699-98-46	B1X5J8	11/7/08	Y	Manganese	4	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Nickel	6	µg/L	U
699-98-46	B1X5J6	11/7/08	Y	Nickel	6	µg/L	U
699-98-46	B1X5J9	11/7/08	N	Nickel	6	µg/L	U
699-98-46	B1X5J8	11/7/08	Y	Nickel	6	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Nitrate	26,100	µg/L	D
699-98-46	B1X5J9	11/7/08	N	Nitrate	26,300	µg/L	D
699-98-46	B1X5J9	11/7/08	N	Nitrite	98.5	µg/L	UD
699-98-46	B1X5J7	11/7/08	N	Nitrite	98.5	µg/L	UD
699-98-46	B1X5K0	11/7/08	N	pH measurement	7.5	unit-less	
699-98-46	B1X5J6	11/7/08	Y	Potassium	4,980	µg/L	
699-98-46	B1X5J7	11/7/08	N	Potassium	4,740	µg/L	
699-98-46	B1X5J9	11/7/08	N	Potassium	4,780	µg/L	
699-98-46	B1X5J8	11/7/08	Y	Potassium	4,880	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-46	B1X5J7	11/7/08	N	Silver	5	µg/L	U
699-98-46	B1X5J6	11/7/08	Y	Silver	5	µg/L	U
699-98-46	B1X5J9	11/7/08	N	Silver	5	µg/L	U
699-98-46	B1X5J8	11/7/08	Y	Silver	5	µg/L	U
699-98-46	B1X5J6	11/7/08	Y	Sodium	18,000	µg/L	
699-98-46	B1X5J7	11/7/08	N	Sodium	17,100	µg/L	
699-98-46	B1X5J9	11/7/08	N	Sodium	17,200	µg/L	
699-98-46	B1X5J8	11/7/08	Y	Sodium	17,400	µg/L	
699-98-46	B1X5K0	11/7/08	N	Specific conductance	447	µS/cm	
699-98-46	B1X5J6	11/7/08	Y	Strontium	367	µg/L	
699-98-46	B1X5J7	11/7/08	N	Strontium	367	µg/L	
699-98-46	B1X5J9	11/7/08	N	Strontium	364	µg/L	
699-98-46	B1X5J8	11/7/08	Y	Strontium	370	µg/L	
699-98-46	B1X5J7	11/7/08	N	Sulfate	69,100	µg/L	D
699-98-46	B1X5J9	11/7/08	N	Sulfate	69,200	µg/L	D
699-98-46	B1X5K0	11/7/08	N	Temperature	16.5	°C	
699-98-46	B1X5J9	11/7/08	N	Tritium	2,600	pCi/L	
699-98-46	B1X5J7	11/7/08	N	Tritium	2,500	pCi/L	
699-98-46	B1X5K0	11/7/08	N	Turbidity	3.14	NTU	
699-98-46	B1X5J6	11/7/08	Y	Vanadium	10	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Vanadium	10	µg/L	U
699-98-46	B1X5J8	11/7/08	Y	Vanadium	10	µg/L	U
699-98-46	B1X5J9	11/7/08	N	Vanadium	10	µg/L	U
699-98-46	B1X5J6	11/7/08	Y	Zinc	9	µg/L	U
699-98-46	B1X5J9	11/7/08	N	Zinc	9	µg/L	U
699-98-46	B1X5J8	11/7/08	Y	Zinc	9	µg/L	U
699-98-46	B1X5J7	11/7/08	N	Zinc	9	µg/L	U
699-98-43	B1X5H8	11/7/08	Y	Antimony	60	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Antimony	60	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Barium	40.1	µg/L	
699-98-43	B1X5H8	11/7/08	Y	Barium	38.7	µg/L	
699-98-43	B1X5H8	11/7/08	Y	Beryllium	4	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Beryllium	4	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Cadmium	4	µg/L	U
699-98-43	B1X5H8	11/7/08	Y	Cadmium	4	µg/L	U
699-98-43	B1X5H8	11/7/08	Y	Calcium	52,400	µg/L	
699-98-43	B1X5H9	11/7/08	N	Calcium	54,000	µg/L	
699-98-43	B1X5H9	11/7/08	N	Chloride	12,700	µg/L	D

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-98-43	B1X5H9	11/7/08	N	Chromium	60.9	µg/L	
699-98-43	B1X5H8	11/7/08	Y	Chromium	56.9	µg/L	
699-98-43	B1X5H8	11/7/08	Y	Cobalt	5	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Cobalt	5	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Copper	6	µg/L	U
699-98-43	B1X5H8	11/7/08	Y	Copper	6	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Fluoride	50	µg/L	UD
699-98-43	B1X5H9	11/7/08	N	Gross alpha	0.1	pCi/L	U
699-98-43	B1X5H9	11/7/08	N	Gross beta	7.6	pCi/L	
699-98-43	B1X5P1	11/7/08	N	Hexavalent chromium	66.7	µg/L	
699-98-43	B1X5H8	11/7/08	Y	Iron	20	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Iron	20	µg/L	U
699-98-43	B1X5H8	11/7/08	Y	Magnesium	11,000	µg/L	
699-98-43	B1X5H9	11/7/08	N	Magnesium	11,400	µg/L	
699-98-43	B1X5H8	11/7/08	Y	Manganese	4	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Manganese	4	µg/L	U
699-98-43	B1X5H8	11/7/08	Y	Nickel	6	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Nickel	11.6	µg/L	B
699-98-43	B1X5H9	11/7/08	N	Nitrate	21,300	µg/L	D
699-98-43	B1X5H9	11/7/08	N	Nitrite	98.5	µg/L	UD
699-98-43	B1X5J0	11/7/08	N	pH measurement	7.57	unit-less	
699-98-43	B1X5H8	11/7/08	Y	Potassium	4,960	µg/L	
699-98-43	B1X5H9	11/7/08	N	Potassium	5,140	µg/L	
699-98-43	B1X5H8	11/7/08	Y	Silver	5	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Silver	5	µg/L	U
699-98-43	B1X5H8	11/7/08	Y	Sodium	16,000	µg/L	
699-98-43	B1X5H9	11/7/08	N	Sodium	16,600	µg/L	
699-98-43	B1X5J0	11/7/08	N	Specific conductance	412	µS/cm	
699-98-43	B1X5H8	11/7/08	Y	Strontium	342	µg/L	
699-98-43	B1X5H9	11/7/08	N	Strontium	352	µg/L	
699-98-43	B1X5H9	11/7/08	N	Sulfate	57,500	µg/L	D
699-98-43	B1X5J0	11/7/08	N	Temperature	15.5	°C	
699-98-43	B1X5H9	11/7/08	N	Tritium	1,800	pCi/L	
699-98-43	B1X5J0	11/7/08	N	Turbidity	1.04	NTU	
699-98-43	B1X5H8	11/7/08	Y	Vanadium	10	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Vanadium	10	µg/L	U
699-98-43	B1X5H9	11/7/08	N	Zinc	9	µg/L	U
699-98-43	B1X5H8	11/7/08	Y	Zinc	9	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-48C	B1X5H6	11/7/08	N	Antimony	60	µg/L	U
699-97-48C	B1X5H5	11/7/08	Y	Antimony	60	µg/L	U
699-97-48C	B1X5H5	11/7/08	Y	Barium	84.2	µg/L	
699-97-48C	B1X5H6	11/7/08	N	Barium	87.1	µg/L	
699-97-48C	B1X5H6	11/7/08	N	Beryllium	4	µg/L	U
699-97-48C	B1X5H5	11/7/08	Y	Beryllium	4	µg/L	U
699-97-48C	B1X5H5	11/7/08	Y	Cadmium	4	µg/L	U
699-97-48C	B1X5H6	11/7/08	N	Cadmium	4	µg/L	U
699-97-48C	B1X5H5	11/7/08	Y	Calcium	31,500	µg/L	
699-97-48C	B1X5H6	11/7/08	N	Calcium	32,700	µg/L	
699-97-48C	B1X5H6	11/7/08	N	Chloride	7,760	µg/L	D
699-97-48C	B1X5H5	11/7/08	Y	Chromium	10.1	µg/L	B
699-97-48C	B1X5H6	11/7/08	N	Chromium	13.1	µg/L	B
699-97-48C	B1X5H6	11/7/08	N	Cobalt	5	µg/L	U
699-97-48C	B1X5H5	11/7/08	Y	Cobalt	5	µg/L	U
699-97-48C	B1X5H5	11/7/08	Y	Copper	6	µg/L	U
699-97-48C	B1X5H6	11/7/08	N	Copper	6	µg/L	U
699-97-48C	B1X5H6	11/7/08	N	Fluoride	66.6	µg/L	BD
699-97-48C	B1X5H6	11/7/08	N	Gross alpha	0.414	pCi/L	U
699-97-48C	B1X5H6	11/7/08	N	Gross beta	5.32	pCi/L	
699-97-48C	B1X5P0	11/7/08	N	Hexavalent chromium	17	µg/L	
699-97-48C	B1X5H5	11/7/08	Y	Iron	20	µg/L	U
699-97-48C	B1X5H6	11/7/08	N	Iron	200	µg/L	
699-97-48C	B1X5H6	11/7/08	N	Magnesium	10,500	µg/L	
699-97-48C	B1X5H5	11/7/08	Y	Magnesium	10,100	µg/L	
699-97-48C	B1X5H5	11/7/08	Y	Manganese	76.4	µg/L	
699-97-48C	B1X5H6	11/7/08	N	Manganese	79.9	µg/L	
699-97-48C	B1X5H6	11/7/08	N	Nickel	6	µg/L	U
699-97-48C	B1X5H5	11/7/08	Y	Nickel	6	µg/L	U
699-97-48C	B1X5H6	11/7/08	N	Nitrate	2,780	µg/L	D
699-97-48C	B1X5H6	11/7/08	N	Nitrite	98.5	µg/L	UDN
699-97-48C	B1X5H7	11/7/08	N	pH measurement	7.74	unit-less	
699-97-48C	B1X5H6	11/7/08	N	Potassium	4,840	µg/L	
699-97-48C	B1X5H5	11/7/08	Y	Potassium	4,640	µg/L	
699-97-48C	B1X5H5	11/7/08	Y	Silver	5	µg/L	U
699-97-48C	B1X5H6	11/7/08	N	Silver	5	µg/L	U
699-97-48C	B1X5H5	11/7/08	Y	Sodium	4,630	µg/L	
699-97-48C	B1X5H6	11/7/08	N	Sodium	4,690	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-48C	B1X5H7	11/7/08	N	Specific conductance	282	µS/cm	
699-97-48C	B1X5H5	11/7/08	Y	Strontium	276	µg/L	
699-97-48C	B1X5H6	11/7/08	N	Strontium	292	µg/L	
699-97-48C	B1X5H6	11/7/08	N	Sulfate	31,400	µg/L	D
699-97-48C	B1X5H7	11/7/08	N	Temperature	18.2	°C	
699-97-48C	B1X5H6	11/7/08	N	Tritium	390	pCi/L	
699-97-48C	B1X5H7	11/7/08	N	Turbidity	0.63	NTU	
699-97-48C	B1X5H5	11/7/08	Y	Vanadium	23.3	µg/L	B
699-97-48C	B1X5H6	11/7/08	N	Vanadium	21.3	µg/L	B
699-97-48C	B1X5H6	11/7/08	N	Zinc	9	µg/L	U
699-97-48C	B1X5H5	11/7/08	Y	Zinc	9	µg/L	U
699-97-48B	B1X5H2	11/7/08	Y	Antimony	60	µg/L	U
699-97-48B	B1X5H3	11/7/08	N	Antimony	60	µg/L	U
699-97-48B	B1X5H3	11/7/08	N	Barium	59.2	µg/L	
699-97-48B	B1X5H2	11/7/08	Y	Barium	55.9	µg/L	
699-97-48B	B1X5H3	11/7/08	N	Beryllium	4	µg/L	U
699-97-48B	B1X5H2	11/7/08	Y	Beryllium	4	µg/L	U
699-97-48B	B1X5H3	11/7/08	N	Cadmium	4	µg/L	U
699-97-48B	B1X5H2	11/7/08	Y	Cadmium	4	µg/L	U
699-97-48B	B1X5H3	11/7/08	N	Calcium	48,400	µg/L	
699-97-48B	B1X5H2	11/7/08	Y	Calcium	47,200	µg/L	
699-97-48B	B1X5H3	11/7/08	N	Chloride	12,800	µg/L	D
699-97-48B	B1X5H2	11/7/08	Y	Chromium	25.6	µg/L	
699-97-48B	B1X5H3	11/7/08	N	Chromium	33.1	µg/L	
699-97-48B	B1X5H3	11/7/08	N	Cobalt	5	µg/L	U
699-97-48B	B1X5H2	11/7/08	Y	Cobalt	5	µg/L	U
699-97-48B	B1X5H3	11/7/08	N	Copper	6	µg/L	U
699-97-48B	B1X5H2	11/7/08	Y	Copper	6	µg/L	U
699-97-48B	B1X5H3	11/7/08	N	Fluoride	55.2	µg/L	BD
699-97-48B	B1X5H3	11/7/08	N	Gross alpha	1.17	pCi/L	U
699-97-48B	B1X5H3	11/7/08	N	Gross beta	3.66	pCi/L	
699-97-48B	B1X5N9	11/7/08	N	Hexavalent chromium	37.9	µg/L	
699-97-48B	B1X5H3	11/7/08	N	Iron	61.7	µg/L	B
699-97-48B	B1X5H2	11/7/08	Y	Iron	20	µg/L	U
699-97-48B	B1X5H2	11/7/08	Y	Magnesium	9,940	µg/L	
699-97-48B	B1X5H3	11/7/08	N	Magnesium	10,400	µg/L	
699-97-48B	B1X5H3	11/7/08	N	Manganese	4	µg/L	U
699-97-48B	B1X5H2	11/7/08	Y	Manganese	4	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-48B	B1X5H2	11/7/08	Y	Nickel	6	µg/L	U
699-97-48B	B1X5H3	11/7/08	N	Nickel	6	µg/L	U
699-97-48B	B1X5H3	11/7/08	N	Nitrate	14,300	µg/L	D
699-97-48B	B1X5H3	11/7/08	N	Nitrite	98.5	µg/L	UDN
699-97-48B	B1X5H4	11/7/08	N	pH measurement	7.64	unit-less	
699-97-48B	B1X5H3	11/7/08	N	Potassium	4,800	µg/L	
699-97-48B	B1X5H2	11/7/08	Y	Potassium	4,440	µg/L	
699-97-48B	B1X5H2	11/7/08	Y	Silver	5	µg/L	U
699-97-48B	B1X5H3	11/7/08	N	Silver	5	µg/L	U
699-97-48B	B1X5H3	11/7/08	N	Sodium	15,700	µg/L	
699-97-48B	B1X5H2	11/7/08	Y	Sodium	14,800	µg/L	
699-97-48B	B1X5H4	11/7/08	N	Specific conductance	388	µS/cm	
699-97-48B	B1X5H3	11/7/08	N	Strontium	315	µg/L	
699-97-48B	B1X5H2	11/7/08	Y	Strontium	301	µg/L	
699-97-48B	B1X5H3	11/7/08	N	Sulfate	54,500	µg/L	D
699-97-48B	B1X5H4	11/7/08	N	Temperature	17.5	°C	
699-97-48B	B1X5H3	11/7/08	N	Tritium	2,100	pCi/L	
699-97-48B	B1X5H4	11/7/08	N	Turbidity	1.48	NTU	
699-97-48B	B1X5H3	11/7/08	N	Vanadium	10	µg/L	U
699-97-48B	B1X5H2	11/7/08	Y	Vanadium	10	µg/L	U
699-97-48B	B1X5H3	11/7/08	N	Zinc	9	µg/L	U
699-97-48B	B1X5H2	11/7/08	Y	Zinc	9	µg/L	U
699-97-45B	B1X5F8	11/13/08	N	Antimony	56	µg/L	U
699-97-45B	B1X5F7	11/13/08	Y	Antimony	56	µg/L	U
699-97-45B	B1X5F6	11/13/08	N	Antimony	4	µg/L	U
699-97-45B	B1X5F5	11/13/08	Y	Antimony	4	µg/L	U
699-97-45B	B1X5F5	11/13/08	Y	Barium	88.1	µg/L	B
699-97-45B	B1X5F6	11/13/08	N	Barium	88.5	µg/L	B
699-97-45B	B1X5F7	11/13/08	Y	Barium	75.1	µg/L	
699-97-45B	B1X5F8	11/13/08	N	Barium	75.9	µg/L	
699-97-45B	B1X5F8	11/13/08	N	Beryllium	4	µg/L	U
699-97-45B	B1X5F7	11/13/08	Y	Beryllium	4	µg/L	U
699-97-45B	B1X5F6	11/13/08	N	Beryllium	0.5	µg/L	U
699-97-45B	B1X5F5	11/13/08	Y	Beryllium	0.5	µg/L	U
699-97-45B	B1X5F5	11/13/08	Y	Cadmium	0.45	µg/L	U
699-97-45B	B1X5F6	11/13/08	N	Cadmium	0.45	µg/L	U
699-97-45B	B1X5F7	11/13/08	Y	Cadmium	4	µg/L	U
699-97-45B	B1X5F8	11/13/08	N	Cadmium	4	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-45B	B1X5F7	11/13/08	Y	Calcium	31,600	µg/L	
699-97-45B	B1X5F6	11/13/08	N	Calcium	32,000	µg/L	
699-97-45B	B1X5F5	11/13/08	Y	Calcium	33,200	µg/L	
699-97-45B	B1X5F8	11/13/08	N	Calcium	31,200	µg/L	
699-97-45B	B1X5F8	11/13/08	N	Chloride	4,010	µg/L	D
699-97-45B	B1X5F8	11/13/08	N	Chromium	13	µg/L	U
699-97-45B	B1X5F7	11/13/08	Y	Chromium	13	µg/L	U
699-97-45B	B1X5F6	11/13/08	N	Chromium	3.6	µg/L	B
699-97-45B	B1X5F5	11/13/08	Y	Chromium	3.1	µg/L	U
699-97-45B	B1X5F5	11/13/08	Y	Cobalt	4	µg/L	U
699-97-45B	B1X5F6	11/13/08	N	Cobalt	4	µg/L	U
699-97-45B	B1X5F7	11/13/08	Y	Cobalt	4	µg/L	U
699-97-45B	B1X5F8	11/13/08	N	Cobalt	4	µg/L	U
699-97-45B	B1X5F7	11/13/08	Y	Copper	6	µg/L	U
699-97-45B	B1X5F5	11/13/08	Y	Copper	4.6	µg/L	U
699-97-45B	B1X5F6	11/13/08	N	Copper	4.6	µg/L	U
699-97-45B	B1X5F8	11/13/08	N	Copper	6	µg/L	U
699-97-45B	B1X5F8	11/13/08	N	Fluoride	361	µg/L	D
699-97-45B	B1X5F8	11/13/08	N	Gross alpha	0.75	pCi/L	U
699-97-45B	B1X5H0	11/13/08	N	Gross alpha	2.08	pCi/L	
699-97-45B	B1X5F8	11/13/08	N	Gross beta	4.2	pCi/L	
699-97-45B	B1X5H0	11/13/08	N	Gross beta	6.15	pCi/L	
699-97-45B	B1X5H0	11/13/08	N	Hexavalent chromium	3.7	µg/L	U
699-97-45B	B1X5N8	11/13/08	N	Hexavalent chromium	2	µg/L	U
699-97-45B	B1X5F5	11/13/08	Y	Iron	28.1	µg/L	B
699-97-45B	B1X5F6	11/13/08	N	Iron	203	µg/L	
699-97-45B	B1X5F7	11/13/08	Y	Iron	33.2	µg/L	B
699-97-45B	B1X5F8	11/13/08	N	Iron	113	µg/L	B
699-97-45B	B1X5F8	11/13/08	N	Magnesium	8,700	µg/L	
699-97-45B	B1X5F7	11/13/08	Y	Magnesium	8,850	µg/L	
699-97-45B	B1X5F6	11/13/08	N	Magnesium	9,080	µg/L	
699-97-45B	B1X5F5	11/13/08	Y	Magnesium	9,380	µg/L	
699-97-45B	B1X5F5	11/13/08	Y	Manganese	213	µg/L	
699-97-45B	B1X5F8	11/13/08	N	Manganese	278	µg/L	
699-97-45B	B1X5F7	11/13/08	Y	Manganese	198	µg/L	
699-97-45B	B1X5F6	11/13/08	N	Manganese	289	µg/L	
699-97-45B	B1X5F6	11/13/08	N	Nickel	13.3	µg/L	U
699-97-45B	B1X5F7	11/13/08	Y	Nickel	4	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-45B	B1X5F8	11/13/08	N	Nickel	4	µg/L	U
699-97-45B	B1X5F5	11/13/08	Y	Nickel	13.3	µg/L	U
699-97-45B	B1X5F8	11/13/08	N	Nitrate	1,290	µg/L	D
699-97-45B	B1X5F8	11/13/08	N	Nitrite	84.1	µg/L	DU
699-97-45B	B1X5H1	11/10/08	N	pH measurement	8.05	unit-less	
699-97-45B	B1X5F5	11/13/08	Y	Potassium	4,180	µg/L	B
699-97-45B	B1X5F8	11/13/08	N	Potassium	5,130	µg/L	
699-97-45B	B1X5F7	11/13/08	Y	Potassium	5,320	µg/L	
699-97-45B	B1X5F6	11/13/08	N	Potassium	3,550	µg/L	B
699-97-45B	B1X5F6	11/13/08	N	Silver	6	µg/L	U
699-97-45B	B1X5F7	11/13/08	Y	Silver	5	µg/L	U
699-97-45B	B1X5F8	11/13/08	N	Silver	5	µg/L	U
699-97-45B	B1X5F5	11/13/08	Y	Silver	6	µg/L	U
699-97-45B	B1X5F5	11/13/08	Y	Sodium	5,470	µg/L	
699-97-45B	B1X5F8	11/13/08	N	Sodium	5,040	µg/L	
699-97-45B	B1X5F7	11/13/08	Y	Sodium	5,280	µg/L	
699-97-45B	B1X5F6	11/13/08	N	Sodium	5,290	µg/L	
699-97-45B	B1X5H1	11/10/08	N	Specific conductance	248	µS/cm	
699-97-45B	B1X5F5	11/13/08	Y	Strontium	236	µg/L	
699-97-45B	B1X5F6	11/13/08	N	Strontium	228	µg/L	
699-97-45B	B1X5F7	11/13/08	Y	Strontium	282	µg/L	
699-97-45B	B1X5F8	11/13/08	N	Strontium	276	µg/L	
699-97-45B	B1X5F8	11/13/08	N	Sulfate	15,200	µg/L	D
699-97-45B	B1X5H1	11/10/08	N	Temperature	17.2	°C	
699-97-45B	B1X5F8	11/13/08	N	Tritium	-71	pCi/L	U
699-97-45B	B1X5H0	11/13/08	N	Tritium	-36.2	pCi/L	U
699-97-45B	B1X5H1	11/10/08	N	Turbidity	1.02	NTU	
699-97-45B	B1X5F6	11/13/08	N	Vanadium	9	µg/L	B
699-97-45B	B1X5F5	11/13/08	Y	Vanadium	10.9	µg/L	B
699-97-45B	B1X5F7	11/13/08	Y	Vanadium	17	µg/L	B
699-97-45B	B1X5F8	11/13/08	N	Vanadium	12	µg/L	U
699-97-45B	B1X5F7	11/13/08	Y	Zinc	12.4	µg/L	B
699-97-45B	B1X5F5	11/13/08	Y	Zinc	7.6	µg/L	BC
699-97-45B	B1X5F6	11/13/08	N	Zinc	36.6	µg/L	C
699-97-45B	B1X5F8	11/13/08	N	Zinc	24.9	µg/L	B
699-97-45	B1X5F3	11/7/08	N	Antimony	60	µg/L	U
699-97-45	B1X5F2	11/7/08	Y	Antimony	60	µg/L	U
699-97-45	B1X5F3	11/7/08	N	Barium	45.7	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-45	B1X5F2	11/7/08	Y	Barium	45.9	µg/L	
699-97-45	B1X5F3	11/7/08	N	Beryllium	4	µg/L	U
699-97-45	B1X5F2	11/7/08	Y	Beryllium	4	µg/L	U
699-97-45	B1X5F3	11/7/08	N	Cadmium	4	µg/L	U
699-97-45	B1X5F2	11/7/08	Y	Cadmium	4	µg/L	U
699-97-45	B1X5F2	11/7/08	Y	Calcium	50,800	µg/L	
699-97-45	B1X5F3	11/7/08	N	Calcium	50,100	µg/L	
699-97-45	B1X5F3	11/7/08	N	Chloride	13,400	µg/L	D
699-97-45	B1X5F2	11/7/08	Y	Chromium	50.4	µg/L	
699-97-45	B1X5F3	11/7/08	N	Chromium	50	µg/L	
699-97-45	B1X5F2	11/7/08	Y	Cobalt	5	µg/L	U
699-97-45	B1X5F3	11/7/08	N	Cobalt	5	µg/L	U
699-97-45	B1X5F2	11/7/08	Y	Copper	6	µg/L	U
699-97-45	B1X5F3	11/7/08	N	Copper	6	µg/L	U
699-97-45	B1X5F3	11/7/08	N	Fluoride	53.1	µg/L	BD
699-97-45	B1X5F3	11/7/08	N	Gross alpha	1.62	pCi/L	U
699-97-45	B1X5F3	11/7/08	N	Gross beta	5.4	pCi/L	
699-97-45	B1X5N7	11/7/08	N	Hexavalent chromium	60	µg/L	
699-97-45	B1X5F3	11/7/08	N	Iron	24.8	µg/L	B
699-97-45	B1X5F2	11/7/08	Y	Iron	22.3	µg/L	B
699-97-45	B1X5F3	11/7/08	N	Magnesium	11,300	µg/L	
699-97-45	B1X5F2	11/7/08	Y	Magnesium	11,200	µg/L	
699-97-45	B1X5F3	11/7/08	N	Manganese	4	µg/L	U
699-97-45	B1X5F2	11/7/08	Y	Manganese	4	µg/L	U
699-97-45	B1X5F3	11/7/08	N	Nickel	6	µg/L	U
699-97-45	B1X5F2	11/7/08	Y	Nickel	6	µg/L	U
699-97-45	B1X5F3	11/7/08	N	Nitrate	19,100	µg/L	D
699-97-45	B1X5F3	11/7/08	N	Nitrite	98.5	µg/L	UDN
699-97-45	B1X5F4	11/7/08	N	pH measurement	7.72	unit-less	
699-97-45	B1X5F3	11/7/08	N	Potassium	4,880	µg/L	
699-97-45	B1X5F2	11/7/08	Y	Potassium	4,790	µg/L	
699-97-45	B1X5F3	11/7/08	N	Silver	5	µg/L	U
699-97-45	B1X5F2	11/7/08	Y	Silver	5	µg/L	U
699-97-45	B1X5F2	11/7/08	Y	Sodium	21,000	µg/L	
699-97-45	B1X5F3	11/7/08	N	Sodium	21,500	µg/L	
699-97-45	B1X5F4	11/7/08	N	Specific conductance	443	µS/cm	
699-97-45	B1X5F2	11/7/08	Y	Strontium	334	µg/L	
699-97-45	B1X5F3	11/7/08	N	Strontium	335	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-45	B1X5F3	11/7/08	N	Sulfate	61,500	µg/L	D
699-97-45	B1X5F4	11/7/08	N	Temperature	16.3	°C	
699-97-45	B1X5F3	11/7/08	N	Tritium	3300	pCi/L	
699-97-45	B1X5F4	11/7/08	N	Turbidity	3.89	NTU	
699-97-45	B1X5F2	11/7/08	Y	Vanadium	10	µg/L	U
699-97-45	B1X5F3	11/7/08	N	Vanadium	10	µg/L	U
699-97-45	B1X5F2	11/7/08	Y	Zinc	9	µg/L	U
699-97-45	B1X5F3	11/7/08	N	Zinc	9	µg/L	U
699-97-43C	B1X5D9	11/7/08	Y	Antimony	60	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Antimony	60	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Barium	57.4	µg/L	
699-97-43C	B1X5D9	11/7/08	Y	Barium	59	µg/L	
699-97-43C	B1X5D9	11/7/08	Y	Beryllium	4	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Beryllium	4	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Cadmium	4	µg/L	U
699-97-43C	B1X5D9	11/7/08	Y	Cadmium	4	µg/L	U
699-97-43C	B1X5D9	11/7/08	Y	Calcium	31,000	µg/L	
699-97-43C	B1X5F0	11/7/08	N	Calcium	30,700	µg/L	
699-97-43C	B1X5F0	11/7/08	N	Chloride	5,040	µg/L	D
699-97-43C	B1X5D9	11/7/08	Y	Chromium	10	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Chromium	10	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Cobalt	5	µg/L	U
699-97-43C	B1X5D9	11/7/08	Y	Cobalt	5	µg/L	U
699-97-43C	B1X5D9	11/7/08	Y	Copper	6	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Copper	6	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Fluoride	158	µg/L	BD
699-97-43C	B1X5F0	11/7/08	N	Gross alpha	0.866	pCi/L	U
699-97-43C	B1X5F0	11/7/08	N	Gross beta	5.87	pCi/L	
699-97-43C	B1X5N6	11/7/08	N	Hexavalent chromium	2	µg/L	U
699-97-43C	B1X5D9	11/7/08	Y	Iron	446	µg/L	
699-97-43C	B1X5F0	11/7/08	N	Iron	471	µg/L	
699-97-43C	B1X5D9	11/7/08	Y	Magnesium	9,520	µg/L	
699-97-43C	B1X5F0	11/7/08	N	Magnesium	9,520	µg/L	
699-97-43C	B1X5D9	11/7/08	Y	Manganese	45.1	µg/L	
699-97-43C	B1X5F0	11/7/08	N	Manganese	48.5	µg/L	
699-97-43C	B1X5D9	11/7/08	Y	Nickel	6	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Nickel	6	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Nitrate	2,090	µg/L	D

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-43C	B1X5F0	11/7/08	N	Nitrite	98.5	µg/L	UD
699-97-43C	B1X5F1	11/7/08	N	pH measurement	7.6	unit-less	
699-97-43C	B1X5D9	11/7/08	Y	Potassium	4,940	µg/L	
699-97-43C	B1X5F0	11/7/08	N	Potassium	4,980	µg/L	
699-97-43C	B1X5D9	11/7/08	Y	Silver	5	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Silver	5	µg/L	U
699-97-43C	B1X5D9	11/7/08	Y	Sodium	6,080	µg/L	
699-97-43C	B1X5F0	11/7/08	N	Sodium	6,090	µg/L	
699-97-43C	B1X5F1	11/7/08	N	Specific conductance	261	µS/cm	
699-97-43C	B1X5D9	11/7/08	Y	Strontium	245	µg/L	
699-97-43C	B1X5F0	11/7/08	N	Strontium	244	µg/L	
699-97-43C	B1X5F0	11/7/08	N	Sulfate	25,700	µg/L	D
699-97-43C	B1X5F1	11/7/08	N	Temperature	17.1	°C	
699-97-43C	B1X5F0	11/7/08	N	Tritium	-48	pCi/L	U
699-97-43C	B1X5F1	11/7/08	N	Turbidity	0.95	NTU	
699-97-43C	B1X5F0	11/7/08	N	Vanadium	19.7	µg/L	B
699-97-43C	B1X5D9	11/7/08	Y	Vanadium	14	µg/L	B
699-97-43C	B1X5D9	11/7/08	Y	Zinc	9	µg/L	U
699-97-43C	B1X5F0	11/7/08	N	Zinc	9	µg/L	U
699-97-43B	B1X5D6	11/7/08	Y	Antimony	60	µg/L	U
699-97-43B	B1X5D7	11/7/08	N	Antimony	60	µg/L	U
699-97-43B	B1X5D6	11/7/08	Y	Barium	53.4	µg/L	
699-97-43B	B1X5D7	11/7/08	N	Barium	53.3	µg/L	
699-97-43B	B1X5D6	11/7/08	Y	Beryllium	4	µg/L	U
699-97-43B	B1X5D7	11/7/08	N	Beryllium	4	µg/L	U
699-97-43B	B1X5D6	11/7/08	Y	Cadmium	4	µg/L	U
699-97-43B	B1X5D7	11/7/08	N	Cadmium	4	µg/L	U
699-97-43B	B1X5D6	11/7/08	Y	Calcium	49,000	µg/L	
699-97-43B	B1X5D7	11/7/08	N	Calcium	49,900	µg/L	
699-97-43B	B1X5D7	11/7/08	N	Chloride	9,360	µg/L	D
699-97-43B	B1X5D7	11/7/08	N	Chromium	82.5	µg/L	
699-97-43B	B1X5D6	11/7/08	Y	Chromium	79.3	µg/L	
699-97-43B	B1X5D6	11/7/08	Y	Cobalt	5	µg/L	U
699-97-43B	B1X5D7	11/7/08	N	Cobalt	5	µg/L	U
699-97-43B	B1X5D6	11/7/08	Y	Copper	6	µg/L	U
699-97-43B	B1X5D7	11/7/08	N	Copper	6	µg/L	U
699-97-43B	B1X5D7	11/7/08	N	Fluoride	50	µg/L	UD
699-97-43B	B1X5D7	11/7/08	N	Gross alpha	2.43	pCi/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-43B	B1X5D7	11/7/08	N	Gross beta	2.54	pCi/L	U
699-97-43B	B1X5N5	11/7/08	N	Hexavalent chromium	91.5	µg/L	
699-97-43B	B1X5D6	11/7/08	Y	Iron	20	µg/L	U
699-97-43B	B1X5D7	11/7/08	N	Iron	68.3	µg/L	B
699-97-43B	B1X5D7	11/7/08	N	Magnesium	11,000	µg/L	
699-97-43B	B1X5D6	11/7/08	Y	Magnesium	11,000	µg/L	
699-97-43B	B1X5D7	11/7/08	N	Manganese	4	µg/L	U
699-97-43B	B1X5D6	11/7/08	Y	Manganese	4	µg/L	U
699-97-43B	B1X5D7	11/7/08	N	Nickel	6	µg/L	U
699-97-43B	B1X5D6	11/7/08	Y	Nickel	6	µg/L	U
699-97-43B	B1X5D7	11/7/08	N	Nitrate	20,200	µg/L	D
699-97-43B	B1X5D7	11/7/08	N	Nitrite	98.5	µg/L	UDN
699-97-43B	B1X5D8	11/7/08	N	pH measurement	7.87	unit-less	
699-97-43B	B1X5D7	11/7/08	N	Potassium	4,970	µg/L	
699-97-43B	B1X5D6	11/7/08	Y	Potassium	4,910	µg/L	
699-97-43B	B1X5D7	11/7/08	N	Silver	5	µg/L	U
699-97-43B	B1X5D6	11/7/08	Y	Silver	5	µg/L	U
699-97-43B	B1X5D7	11/7/08	N	Sodium	22,400	µg/L	
699-97-43B	B1X5D6	11/7/08	Y	Sodium	22,500	µg/L	
699-97-43B	B1X5D8	11/7/08	N	Specific conductance	449	µS/cm	
699-97-43B	B1X5D7	11/7/08	N	Strontium	342	µg/L	
699-97-43B	B1X5D6	11/7/08	Y	Strontium	341	µg/L	
699-97-43B	B1X5D7	11/7/08	N	Sulfate	45,600	µg/L	D
699-97-43B	B1X5D8	11/7/08	N	Temperature	16.1	°C	
699-97-43B	B1X5D7	11/7/08	N	Tritium	4,800	pCi/L	
699-97-43B	B1X5D8	11/7/08	N	Turbidity	4.61	NTU	
699-97-43B	B1X5D7	11/7/08	N	Vanadium	10	µg/L	U
699-97-43B	B1X5D6	11/7/08	Y	Vanadium	10	µg/L	U
699-97-43B	B1X5D6	11/7/08	Y	Zinc	9	µg/L	U
699-97-43B	B1X5D7	11/7/08	N	Zinc	9	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Antimony	60	µg/L	U
699-97-41	B1X5D2	11/4/08	N	Antimony	60	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Barium	36.1	µg/L	
699-97-41	B1X5D2	11/4/08	N	Barium	4	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Beryllium	4	µg/L	U
699-97-41	B1X5D2	11/4/08	N	Beryllium	4	µg/L	U
699-97-41	B1X5D2	11/4/08	N	Cadmium	4	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Cadmium	4	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-41	B1X5D1	11/4/08	Y	Calcium	56,700	µg/L	
699-97-41	B1X5D2	11/4/08	N	Calcium	115	µg/L	B
699-97-41	B1X5D2	11/4/08	N	Chloride	18,300	µg/L	D
699-97-41	B1X5D1	11/4/08	Y	Chromium	77.1	µg/L	
699-97-41	B1X5D2	11/4/08	N	Chromium	10	µg/L	U
699-97-41	B1X5D2	11/4/08	N	Cobalt	5	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Cobalt	5	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Copper	6	µg/L	U
699-97-41	B1X5D2	11/4/08	N	Copper	6	µg/L	U
699-97-41	B1X5D2	11/4/08	N	Fluoride	50	µg/L	UD
699-97-41	B1X5D2	11/4/08	N	Gross alpha	1.54	pCi/L	U
699-97-41	B1X5D2	11/4/08	N	Gross beta	11.1	pCi/L	
699-97-41	B1X5N3	11/4/08	N	Hexavalent chromium	57.7	µg/L	
699-97-41	B1X5D1	11/4/08	Y	Iron	25	µg/L	B
699-97-41	B1X5D2	11/4/08	N	Iron	20	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Magnesium	13,700	µg/L	
699-97-41	B1X5D2	11/4/08	N	Magnesium	50	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Manganese	4	µg/L	U
699-97-41	B1X5D2	11/4/08	N	Manganese	4	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Nickel	6	µg/L	U
699-97-41	B1X5D2	11/4/08	N	Nickel	6	µg/L	U
699-97-41	B1X5D2	11/4/08	N	Nitrate	30,500	µg/L	D
699-97-41	B1X5D2	11/4/08	N	Nitrite	98.5	µg/L	UD
699-97-41	B1X5D5	11/4/08	N	pH measurement	7.44	unit-less	
699-97-41	B1X5D1	11/4/08	Y	Potassium	6,150	µg/L	
699-97-41	B1X5D2	11/4/08	N	Potassium	200	µg/L	U
699-97-41	B1X5D2	11/4/08	N	Silver	5	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Silver	5	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Sodium	21,800	µg/L	
699-97-41	B1X5D2	11/4/08	N	Sodium	87.8	µg/L	B
699-97-41	B1X5D5	11/4/08	N	Specific conductance	488	µS/cm	
699-97-41	B1X5D2	11/4/08	N	Strontium	4	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Strontium	394	µg/L	
699-97-41	B1X5D2	11/4/08	N	Sulfate	65,700	µg/L	D
699-97-41	B1X5D5	11/4/08	N	Temperature	17.7	°C	
699-97-41	B1X5D2	11/4/08	N	Tritium	3,900	pCi/L	
699-97-41	B1X5D5	11/4/08	N	Turbidity	0.42	NTU	
699-97-41	B1X5D1	11/4/08	Y	Vanadium	10	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-97-41	B1X5D2	11/4/08	N	Vanadium	10	µg/L	U
699-97-41	B1X5D2	11/4/08	N	Zinc	9	µg/L	U
699-97-41	B1X5D1	11/4/08	Y	Zinc	9	µg/L	U
699-96-52B	B1X5C8	11/7/08	Y	Antimony	60	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Antimony	60	µg/L	U
699-96-52B	B1X5C8	11/7/08	Y	Barium	41.9	µg/L	
699-96-52B	B1X5C9	11/7/08	N	Barium	44.9	µg/L	
699-96-52B	B1X5C8	11/7/08	Y	Beryllium	4	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Beryllium	4	µg/L	U
699-96-52B	B1X5C8	11/7/08	Y	Cadmium	4	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Cadmium	4	µg/L	U
699-96-52B	B1X5C8	11/7/08	Y	Calcium	54,900	µg/L	
699-96-52B	B1X5C9	11/7/08	N	Calcium	58,900	µg/L	
699-96-52B	B1X5C9	11/7/08	N	Chloride	16,600	µg/L	D
699-96-52B	B1X5C8	11/7/08	Y	Chromium	42.2	µg/L	
699-96-52B	B1X5C9	11/7/08	N	Chromium	50	µg/L	
699-96-52B	B1X5C8	11/7/08	Y	Cobalt	5	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Cobalt	5	µg/L	U
699-96-52B	B1X5C8	11/7/08	Y	Copper	6	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Copper	6	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Fluoride	50	µg/L	UD
699-96-52B	B1X5C9	11/7/08	N	Gross alpha	1.92	pCi/L	
699-96-52B	B1X5C9	11/7/08	N	Gross beta	10.7	pCi/L	
699-96-52B	B1X5N2	11/7/08	N	Hexavalent chromium	53	µg/L	
699-96-52B	B1X5C8	11/7/08	Y	Iron	20	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Iron	90.3	µg/L	B
699-96-52B	B1X5C8	11/7/08	Y	Magnesium	8,620	µg/L	
699-96-52B	B1X5C9	11/7/08	N	Magnesium	8,870	µg/L	
699-96-52B	B1X5C8	11/7/08	Y	Manganese	4	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Manganese	4	µg/L	U
699-96-52B	B1X5C8	11/7/08	Y	Nickel	6	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Nickel	6	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Nitrate	24,300	µg/L	D
699-96-52B	B1X5C9	11/7/08	N	Nitrite	98.5	µg/L	UDN
699-96-52B	B1X5D0	11/7/08	N	pH measurement	7.75	unit-less	
699-96-52B	B1X5C8	11/7/08	Y	Potassium	4,680	µg/L	
699-96-52B	B1X5C9	11/7/08	N	Potassium	4,830	µg/L	
699-96-52B	B1X5C8	11/7/08	Y	Silver	5	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-96-52B	B1X5C9	11/7/08	N	Silver	5	µg/L	U
699-96-52B	B1X5C8	11/7/08	Y	Sodium	7,710	µg/L	
699-96-52B	B1X5C9	11/7/08	N	Sodium	7,760	µg/L	
699-96-52B	B1X5D0	11/7/08	N	Specific conductance	404	µS/cm	
699-96-52B	B1X5C8	11/7/08	Y	Strontium	343	µg/L	
699-96-52B	B1X5C9	11/7/08	N	Strontium	359	µg/L	
699-96-52B	B1X5C9	11/7/08	N	Sulfate	60,100	µg/L	D
699-96-52B	B1X5D0	11/7/08	N	Temperature	18.4	°C	
699-96-52B	B1X5C9	11/7/08	N	Tritium	1,700	pCi/L	
699-96-52B	B1X5D0	11/7/08	N	Turbidity	4.3	NTU	
699-96-52B	B1X5C8	11/7/08	Y	Vanadium	10	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Vanadium	10	µg/L	U
699-96-52B	B1X5C8	11/7/08	Y	Zinc	9	µg/L	U
699-96-52B	B1X5C9	11/7/08	N	Zinc	9	µg/L	U
699-95-51	B1X5C5	11/7/08	Y	Antimony	60	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Antimony	60	µg/L	U
699-95-51	B1X5C5	11/7/08	Y	Barium	38.6	µg/L	
699-95-51	B1X5C6	11/7/08	N	Barium	39.4	µg/L	
699-95-51	B1X5C5	11/7/08	Y	Beryllium	4	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Beryllium	4	µg/L	U
699-95-51	B1X5C5	11/7/08	Y	Cadmium	4	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Cadmium	4	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Calcium	67,500	µg/L	
699-95-51	B1X5C5	11/7/08	Y	Calcium	66,400	µg/L	
699-95-51	B1X5C6	11/7/08	N	Chloride	22,400	µg/L	D
699-95-51	B1X5C5	11/7/08	Y	Chromium	21	µg/L	
699-95-51	B1X5C6	11/7/08	N	Chromium	18	µg/L	B
699-95-51	B1X5C5	11/7/08	Y	Cobalt	5	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Cobalt	5	µg/L	U
699-95-51	B1X5C5	11/7/08	Y	Copper	6	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Copper	6	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Fluoride	50	µg/L	UD
699-95-51	B1X5C6	11/7/08	N	Gross alpha	0.989	pCi/L	U
699-95-51	B1X5C6	11/7/08	N	Gross beta	9.27	pCi/L	
699-95-51	B1X5N1	11/7/08	N	Hexavalent chromium	24.5	µg/L	
699-95-51	B1X5C5	11/7/08	Y	Iron	27.8	µg/L	B
699-95-51	B1X5C6	11/7/08	N	Iron	78.5	µg/L	B
699-95-51	B1X5C5	11/7/08	Y	Magnesium	12,600	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-51	B1X5C6	11/7/08	N	Magnesium	12,600	µg/L	
699-95-51	B1X5C5	11/7/08	Y	Manganese	4	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Manganese	4	µg/L	U
699-95-51	B1X5C5	11/7/08	Y	Nickel	6	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Nickel	6	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Nitrate	21,400	µg/L	D
699-95-51	B1X5C6	11/7/08	N	Nitrite	98.5	µg/L	UDN
699-95-51	B1X5C7	11/7/08	N	pH measurement	7.9	unit-less	
699-95-51	B1X5C5	11/7/08	Y	Potassium	6,090	µg/L	
699-95-51	B1X5C6	11/7/08	N	Potassium	6,000	µg/L	
699-95-51	B1X5C5	11/7/08	Y	Silver	5	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Silver	5	µg/L	U
699-95-51	B1X5C5	11/7/08	Y	Sodium	13,500	µg/L	
699-95-51	B1X5C6	11/7/08	N	Sodium	13,300	µg/L	
699-95-51	B1X5C7	11/7/08	N	Specific conductance	507	µS/cm	
699-95-51	B1X5C5	11/7/08	Y	Strontium	440	µg/L	
699-95-51	B1X5C6	11/7/08	N	Strontium	448	µg/L	
699-95-51	B1X5C6	11/7/08	N	Sulfate	91,500	µg/L	D
699-95-51	B1X5C7	11/7/08	N	Temperature	19.7	°C	
699-95-51	B1X5C6	11/7/08	N	Tritium	1,600	pCi/L	
699-95-51	B1X5C7	11/7/08	N	Turbidity	3.17	NTU	
699-95-51	B1X5C5	11/7/08	Y	Vanadium	10.7	µg/L	B
699-95-51	B1X5C6	11/7/08	N	Vanadium	10	µg/L	U
699-95-51	B1X5C5	11/7/08	Y	Zinc	9	µg/L	U
699-95-51	B1X5C6	11/7/08	N	Zinc	9	µg/L	U
699-95-48	B1X5C2	11/6/08	Y	Antimony	60	µg/L	U
699-95-48	B1X5C3	11/6/08	N	Antimony	60	µg/L	U
699-95-48	B1X5C3	11/6/08	N	Barium	30.5	µg/L	
699-95-48	B1X5C2	11/6/08	Y	Barium	31.2	µg/L	
699-95-48	B1X5C3	11/6/08	N	Beryllium	4	µg/L	U
699-95-48	B1X5C2	11/6/08	Y	Beryllium	4	µg/L	U
699-95-48	B1X5C3	11/6/08	N	Cadmium	4	µg/L	U
699-95-48	B1X5C2	11/6/08	Y	Cadmium	4	µg/L	U
699-95-48	B1X5C2	11/6/08	Y	Calcium	41,000	µg/L	
699-95-48	B1X5C3	11/6/08	N	Calcium	40,900	µg/L	
699-95-48	B1X5C3	11/6/08	N	Chloride	12,100	µg/L	D
699-95-48	B1X5C2	11/6/08	Y	Chromium	28.2	µg/L	
699-95-48	B1X5C3	11/6/08	N	Chromium	24.6	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-48	B1X5C3	11/6/08	N	Cobalt	5	µg/L	U
699-95-48	B1X5C2	11/6/08	Y	Cobalt	5	µg/L	U
699-95-48	B1X5C3	11/6/08	N	Copper	6	µg/L	U
699-95-48	B1X5C2	11/6/08	Y	Copper	6	µg/L	U
699-95-48	B1X5C3	11/6/08	N	Fluoride	138	µg/L	BD
699-95-48	B1X5C3	11/6/08	N	Gross alpha	0.25	pCi/L	U
699-95-48	B1X5C3	11/6/08	N	Gross beta	7.13	pCi/L	
699-95-48	B1X5N0	11/6/08	N	Hexavalent chromium	32.1	µg/L	
699-95-48	B1X5C3	11/6/08	N	Iron	53.7	µg/L	B
699-95-48	B1X5C2	11/6/08	Y	Iron	20	µg/L	U
699-95-48	B1X5C2	11/6/08	Y	Magnesium	11,000	µg/L	
699-95-48	B1X5C3	11/6/08	N	Magnesium	10,700	µg/L	
699-95-48	B1X5C3	11/6/08	N	Manganese	4	µg/L	U
699-95-48	B1X5C2	11/6/08	Y	Manganese	4	µg/L	U
699-95-48	B1X5C2	11/6/08	Y	Nickel	6	µg/L	U
699-95-48	B1X5C3	11/6/08	N	Nickel	6	µg/L	U
699-95-48	B1X5C3	11/6/08	N	Nitrate	11,800	µg/L	D
699-95-48	B1X5C3	11/6/08	N	Nitrite	98.5	µg/L	UD
699-95-48	B1X5C4	11/6/08	N	pH measurement	7.65	unit-less	
699-95-48	B1X5C3	11/6/08	N	Potassium	5,380	µg/L	
699-95-48	B1X5C2	11/6/08	Y	Potassium	5,810	µg/L	
699-95-48	B1X5C2	11/6/08	Y	Silver	5	µg/L	U
699-95-48	B1X5C3	11/6/08	N	Silver	5	µg/L	U
699-95-48	B1X5C3	11/6/08	N	Sodium	21,000	µg/L	
699-95-48	B1X5C2	11/6/08	Y	Sodium	22,300	µg/L	
699-95-48	B1X5C4	11/6/08	N	Specific conductance	375	µS/cm	
699-95-48	B1X5C3	11/6/08	N	Strontium	319	µg/L	
699-95-48	B1X5C2	11/6/08	Y	Strontium	324	µg/L	
699-95-48	B1X5C3	11/6/08	N	Sulfate	51,400	µg/L	D
699-95-48	B1X5C4	11/6/08	N	Temperature	17.2	°C	
699-95-48	B1X5C3	11/6/08	N	Tritium	2,000	pCi/L	
699-95-48	B1X5C4	11/6/08	N	Turbidity	1.75	NTU	
699-95-48	B1X5C3	11/6/08	N	Vanadium	10	µg/L	U
699-95-48	B1X5C2	11/6/08	Y	Vanadium	12.4	µg/L	B
699-95-48	B1X5C3	11/6/08	N	Zinc	9	µg/L	U
699-95-48	B1X5C2	11/6/08	Y	Zinc	9	µg/L	U
699-95-45	B1X5C0	11/4/08	N	Antimony	60	µg/L	U
699-95-45	B1X5B9	11/4/08	Y	Antimony	60	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-45	B1X5B9	11/4/08	Y	Barium	49.8	µg/L	
699-95-45	B1X5C0	11/4/08	N	Barium	52.1	µg/L	
699-95-45	B1X5C0	11/4/08	N	Beryllium	4	µg/L	U
699-95-45	B1X5B9	11/4/08	Y	Beryllium	4	µg/L	U
699-95-45	B1X5B9	11/4/08	Y	Cadmium	4	µg/L	U
699-95-45	B1X5C0	11/4/08	N	Cadmium	4	µg/L	U
699-95-45	B1X5C0	11/4/08	N	Calcium	44,600	µg/L	
699-95-45	B1X5B9	11/4/08	Y	Calcium	44,700	µg/L	
699-95-45	B1X5C0	11/4/08	N	Chloride	14,800	µg/L	D
699-95-45	B1X5B9	11/4/08	Y	Chromium	56.3	µg/L	
699-95-45	B1X5C0	11/4/08	N	Chromium	62	µg/L	
699-95-45	B1X5C0	11/4/08	N	Cobalt	5	µg/L	U
699-95-45	B1X5B9	11/4/08	Y	Cobalt	5	µg/L	U
699-95-45	B1X5B9	11/4/08	Y	Copper	6	µg/L	U
699-95-45	B1X5C0	11/4/08	N	Copper	6	µg/L	U
699-95-45	B1X5C0	11/4/08	N	Fluoride	144	µg/L	BD
699-95-45	B1X5C0	11/4/08	N	Gross alpha	0.851	pCi/L	U
699-95-45	B1X5C0	11/4/08	N	Gross beta	8.56	pCi/L	
699-95-45	B1X5M9	11/4/08	N	Hexavalent chromium	37	µg/L	
699-95-45	B1X5B9	11/4/08	Y	Iron	26.5	µg/L	B
699-95-45	B1X5C0	11/4/08	N	Iron	58.7	µg/L	B
699-95-45	B1X5C0	11/4/08	N	Magnesium	11,400	µg/L	
699-95-45	B1X5B9	11/4/08	Y	Magnesium	10,900	µg/L	
699-95-45	B1X5B9	11/4/08	Y	Manganese	4	µg/L	U
699-95-45	B1X5C0	11/4/08	N	Manganese	4	µg/L	U
699-95-45	B1X5C0	11/4/08	N	Nickel	6	µg/L	U
699-95-45	B1X5B9	11/4/08	Y	Nickel	6	µg/L	U
699-95-45	B1X5C0	11/4/08	N	Nitrate	14,200	µg/L	D
699-95-45	B1X5C0	11/4/08	N	Nitrite	98.5	µg/L	UD
699-95-45	B1X5C1	11/4/08	N	pH measurement	7.58	unit-less	
699-95-45	B1X5B9	11/4/08	Y	Potassium	5,210	µg/L	
699-95-45	B1X5C0	11/4/08	N	Potassium	5,500	µg/L	
699-95-45	B1X5C0	11/4/08	N	Silver	5	µg/L	U
699-95-45	B1X5B9	11/4/08	Y	Silver	5	µg/L	U
699-95-45	B1X5B9	11/4/08	Y	Sodium	22,400	µg/L	
699-95-45	B1X5C0	11/4/08	N	Sodium	24,000	µg/L	
699-95-45	B1X5C1	11/4/08	N	Specific conductance	416	µS/cm	
699-95-45	B1X5B9	11/4/08	Y	Strontium	335	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-95-45	B1X5C0	11/4/08	N	Strontium	342	µg/L	
699-95-45	B1X5C0	11/4/08	N	Sulfate	50,000	µg/L	D
699-95-45	B1X5C1	11/4/08	N	Temperature	17.2	°C	
699-95-45	B1X5C0	11/4/08	N	Tritium	4,900	pCi/L	
699-95-45	B1X5C1	11/4/08	N	Turbidity	4.67	NTU	
699-95-45	B1X5C0	11/4/08	N	Vanadium	10	µg/L	U
699-95-45	B1X5B9	11/4/08	Y	Vanadium	10	µg/L	U
699-95-45	B1X5B9	11/4/08	Y	Zinc	9	µg/L	U
699-95-45	B1X5C0	11/4/08	N	Zinc	9	µg/L	U
699-94-43	B1X5B4	11/4/08	Y	Antimony	60	µg/L	U
699-94-43	B1X5B5	11/4/08	N	Antimony	60	µg/L	U
699-94-43	B1X5B6	11/4/08	Y	Antimony	60	µg/L	U
699-94-43	B1X5B7	11/4/08	N	Antimony	60	µg/L	U
699-94-43	B1X5B4	11/4/08	Y	Barium	68	µg/L	
699-94-43	B1X5B7	11/4/08	N	Barium	67.6	µg/L	
699-94-43	B1X5B6	11/4/08	Y	Barium	68	µg/L	
699-94-43	B1X5B5	11/4/08	N	Barium	68.7	µg/L	
699-94-43	B1X5B4	11/4/08	Y	Beryllium	4	µg/L	U
699-94-43	B1X5B5	11/4/08	N	Beryllium	4	µg/L	U
699-94-43	B1X5B6	11/4/08	Y	Beryllium	4	µg/L	U
699-94-43	B1X5B7	11/4/08	N	Beryllium	4	µg/L	U
699-94-43	B1X5B4	11/4/08	Y	Cadmium	4	µg/L	U
699-94-43	B1X5B7	11/4/08	N	Cadmium	4	µg/L	U
699-94-43	B1X5B6	11/4/08	Y	Cadmium	4	µg/L	U
699-94-43	B1X5B5	11/4/08	N	Cadmium	4	µg/L	U
699-94-43	B1X5B4	11/4/08	Y	Calcium	50,800	µg/L	
699-94-43	B1X5B5	11/4/08	N	Calcium	50,900	µg/L	
699-94-43	B1X5B6	11/4/08	Y	Calcium	52,700	µg/L	
699-94-43	B1X5B7	11/4/08	N	Calcium	50,500	µg/L	
699-94-43	B1X5B7	11/4/08	N	Chloride	16,000	µg/L	D
699-94-43	B1X5B5	11/4/08	N	Chloride	16,200	µg/L	D
699-94-43	B1X5B4	11/4/08	Y	Chromium	37.7	µg/L	
699-94-43	B1X5B5	11/4/08	N	Chromium	36.7	µg/L	
699-94-43	B1X5B7	11/4/08	N	Chromium	37.4	µg/L	
699-94-43	B1X5B6	11/4/08	Y	Chromium	35.4	µg/L	
699-94-43	B1X5B4	11/4/08	Y	Cobalt	5	µg/L	U
699-94-43	B1X5B6	11/4/08	Y	Cobalt	5	µg/L	U
699-94-43	B1X5B7	11/4/08	N	Cobalt	5	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-94-43	B1X5B5	11/4/08	N	Cobalt	5	µg/L	U
699-94-43	B1X5B4	11/4/08	Y	Copper	6	µg/L	U
699-94-43	B1X5B5	11/4/08	N	Copper	6	µg/L	U
699-94-43	B1X5B7	11/4/08	N	Copper	6	µg/L	U
699-94-43	B1X5B6	11/4/08	Y	Copper	6	µg/L	U
699-94-43	B1X5B7	11/4/08	N	Fluoride	174	µg/L	BD
699-94-43	B1X5B5	11/4/08	N	Fluoride	178	µg/L	BD
699-94-43	B1X5B5	11/4/08	N	Gross alpha	0.65	pCi/L	U
699-94-43	B1X5B7	11/4/08	N	Gross alpha	1.55	pCi/L	U
699-94-43	B1X5B7	11/4/08	N	Gross beta	10.2	pCi/L	
699-94-43	B1X5B5	11/4/08	N	Gross beta	10.5	pCi/L	
699-94-43	B1X5M7	11/4/08	N	Hexavalent chromium	2	µg/L	U
699-94-43	B1X5M8	11/4/08	N	Hexavalent chromium	37.7	µg/L	
699-94-43	B1X5B4	11/4/08	Y	Iron	22.8	µg/L	B
699-94-43	B1X5B5	11/4/08	N	Iron	20	µg/L	U
699-94-43	B1X5B6	11/4/08	Y	Iron	20	µg/L	U
699-94-43	B1X5B7	11/4/08	N	Iron	20	µg/L	U
699-94-43	B1X5B4	11/4/08	Y	Magnesium	15,200	µg/L	
699-94-43	B1X5B7	11/4/08	N	Magnesium	15,500	µg/L	
699-94-43	B1X5B6	11/4/08	Y	Magnesium	15,300	µg/L	
699-94-43	B1X5B5	11/4/08	N	Magnesium	15,700	µg/L	
699-94-43	B1X5B4	11/4/08	Y	Manganese	4	µg/L	U
699-94-43	B1X5B5	11/4/08	N	Manganese	4	µg/L	U
699-94-43	B1X5B6	11/4/08	Y	Manganese	4	µg/L	U
699-94-43	B1X5B7	11/4/08	N	Manganese	4	µg/L	U
699-94-43	B1X5B4	11/4/08	Y	Nickel	6	µg/L	U
699-94-43	B1X5B7	11/4/08	N	Nickel	6	µg/L	U
699-94-43	B1X5B6	11/4/08	Y	Nickel	6	µg/L	U
699-94-43	B1X5B5	11/4/08	N	Nickel	6	µg/L	U
699-94-43	B1X5B5	11/4/08	N	Nitrate	31,900	µg/L	D
699-94-43	B1X5B7	11/4/08	N	Nitrate	31,100	µg/L	D
699-94-43	B1X5B5	11/4/08	N	Nitrite	98.5	µg/L	UD
699-94-43	B1X5B7	11/4/08	N	Nitrite	98.5	µg/L	UD
699-94-43	B1X5B8	11/4/08	N	pH measurement	7.41	unit-less	
699-94-43	B1X5B4	11/4/08	Y	Potassium	6,390	µg/L	
699-94-43	B1X5B5	11/4/08	N	Potassium	6,630	µg/L	
699-94-43	B1X5B6	11/4/08	Y	Potassium	6,400	µg/L	
699-94-43	B1X5B7	11/4/08	N	Potassium	6,520	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-94-43	B1X5B4	11/4/08	Y	Silver	11.9	µg/L	B
699-94-43	B1X5B7	11/4/08	N	Silver	5	µg/L	U
699-94-43	B1X5B6	11/4/08	Y	Silver	11.4	µg/L	B
699-94-43	B1X5B5	11/4/08	N	Silver	5	µg/L	U
699-94-43	B1X5B4	11/4/08	Y	Sodium	31,200	µg/L	
699-94-43	B1X5B5	11/4/08	N	Sodium	32,200	µg/L	
699-94-43	B1X5B6	11/4/08	Y	Sodium	31,000	µg/L	
699-94-43	B1X5B7	11/4/08	N	Sodium	31,600	µg/L	
699-94-43	B1X5B8	11/4/08	N	Specific conductance	515	µS/cm	
699-94-43	B1X5B4	11/4/08	Y	Strontium	456	µg/L	
699-94-43	B1X5B5	11/4/08	N	Strontium	458	µg/L	
699-94-43	B1X5B6	11/4/08	Y	Strontium	463	µg/L	
699-94-43	B1X5B7	11/4/08	N	Strontium	458	µg/L	
699-94-43	B1X5B7	11/4/08	N	Sulfate	69,200	µg/L	D
699-94-43	B1X5B5	11/4/08	N	Sulfate	70,100	µg/L	D
699-94-43	B1X5B8	11/4/08	N	Temperature	17.7	°C	
699-94-43	B1X5B5	11/4/08	N	Tritium	4,300	pCi/L	
699-94-43	B1X5B7	11/4/08	N	Tritium	4,300	pCi/L	
699-94-43	B1X5B8	11/4/08	N	Turbidity	2.46	NTU	
699-94-43	B1X5B4	11/4/08	Y	Vanadium	10	µg/L	U
699-94-43	B1X5B5	11/4/08	N	Vanadium	11.1	µg/L	B
699-94-43	B1X5B6	11/4/08	Y	Vanadium	10	µg/L	U
699-94-43	B1X5B7	11/4/08	N	Vanadium	10	µg/L	U
699-94-43	B1X5B4	11/4/08	Y	Zinc	9	µg/L	U
699-94-43	B1X5B7	11/4/08	N	Zinc	9	µg/L	U
699-94-43	B1X5B6	11/4/08	Y	Zinc	9	µg/L	U
699-94-43	B1X5B5	11/4/08	N	Zinc	9	µg/L	U
699-94-41	B1X5B1	11/6/08	Y	Antimony	60	µg/L	U
699-94-41	B1X5B2	11/6/08	N	Antimony	60	µg/L	U
699-94-41	B1X5B2	11/6/08	N	Barium	27.6	µg/L	
699-94-41	B1X5B1	11/6/08	Y	Barium	28.2	µg/L	
699-94-41	B1X5B2	11/6/08	N	Beryllium	4	µg/L	U
699-94-41	B1X5B1	11/6/08	Y	Beryllium	4	µg/L	U
699-94-41	B1X5B2	11/6/08	N	Cadmium	4	µg/L	U
699-94-41	B1X5B1	11/6/08	Y	Cadmium	4	µg/L	U
699-94-41	B1X5B1	11/6/08	Y	Calcium	42,400	µg/L	
699-94-41	B1X5B2	11/6/08	N	Calcium	42,500	µg/L	
699-94-41	B1X5B2	11/6/08	N	Chloride	11,500	µg/L	D

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-94-41	B1X5B1	11/6/08	Y	Chromium	10.5	µg/L	B
699-94-41	B1X5B2	11/6/08	N	Chromium	10	µg/L	U
699-94-41	B1X5B2	11/6/08	N	Cobalt	5	µg/L	U
699-94-41	B1X5B1	11/6/08	Y	Cobalt	5	µg/L	U
699-94-41	B1X5B2	11/6/08	N	Copper	6	µg/L	U
699-94-41	B1X5B1	11/6/08	Y	Copper	6	µg/L	U
699-94-41	B1X5B2	11/6/08	N	Fluoride	158	µg/L	BD
699-94-41	B1X5B2	11/6/08	N	Gross alpha	0.636	pCi/L	U
699-94-41	B1X5B2	11/6/08	N	Gross beta	11.4	pCi/L	
699-94-41	B1X5M6	11/6/08	N	Hexavalent chromium	13.3	µg/L	
699-94-41	B1X5B1	11/6/08	Y	Iron	20	µg/L	U
699-94-41	B1X5B2	11/6/08	N	Iron	33.1	µg/L	B
699-94-41	B1X5B2	11/6/08	N	Magnesium	13,500	µg/L	
699-94-41	B1X5B1	11/6/08	Y	Magnesium	13,800	µg/L	
699-94-41	B1X5B1	11/6/08	Y	Manganese	4	µg/L	U
699-94-41	B1X5B2	11/6/08	N	Manganese	4	µg/L	U
699-94-41	B1X5B2	11/6/08	N	Nickel	6	µg/L	U
699-94-41	B1X5B1	11/6/08	Y	Nickel	6	µg/L	U
699-94-41	B1X5B2	11/6/08	N	Nitrate	20,700	µg/L	D
699-94-41	B1X5B2	11/6/08	N	Nitrite	98.5	µg/L	UD
699-94-41	B1X5B3	11/6/08	N	pH measurement	7.51	unit-less	
699-94-41	B1X5B1	11/6/08	Y	Potassium	6,720	µg/L	
699-94-41	B1X5B2	11/6/08	N	Potassium	6,620	µg/L	
699-94-41	B1X5B2	11/6/08	N	Silver	5	µg/L	U
699-94-41	B1X5B1	11/6/08	Y	Silver	5	µg/L	U
699-94-41	B1X5B1	11/6/08	Y	Sodium	32,000	µg/L	
699-94-41	B1X5B2	11/6/08	N	Sodium	31,500	µg/L	
699-94-41	B1X5B3	11/6/08	N	Specific conductance	451	µS/cm	
699-94-41	B1X5B2	11/6/08	N	Strontium	394	µg/L	
699-94-41	B1X5B1	11/6/08	Y	Strontium	398	µg/L	
699-94-41	B1X5B2	11/6/08	N	Sulfate	62,600	µg/L	D
699-94-41	B1X5B3	11/6/08	N	Temperature	16	°C	
699-94-41	B1X5B2	11/6/08	N	Tritium	2,000	pCi/L	
699-94-41	B1X5B3	11/6/08	N	Turbidity	1.22	NTU	
699-94-41	B1X5B2	11/6/08	N	Vanadium	10	µg/L	U
699-94-41	B1X5B1	11/6/08	Y	Vanadium	10	µg/L	U
699-94-41	B1X5B2	11/6/08	N	Zinc	9	µg/L	U
699-94-41	B1X5B1	11/6/08	Y	Zinc	9	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-101-45	B1X599	11/7/08	N	Antimony	60	µg/L	U
699-101-45	B1X598	11/7/08	Y	Antimony	60	µg/L	U
699-101-45	B1X599	11/7/08	N	Barium	44.1	µg/L	
699-101-45	B1X598	11/7/08	Y	Barium	44.6	µg/L	
699-101-45	B1X599	11/7/08	N	Beryllium	4	µg/L	U
699-101-45	B1X598	11/7/08	Y	Beryllium	4	µg/L	U
699-101-45	B1X599	11/7/08	N	Cadmium	4	µg/L	U
699-101-45	B1X598	11/7/08	Y	Cadmium	4	µg/L	U
699-101-45	B1X598	11/7/08	Y	Calcium	46,200	µg/L	
699-101-45	B1X599	11/7/08	N	Calcium	46,200	µg/L	
699-101-45	B1X599	11/7/08	N	Chloride	11,600	µg/L	D
699-101-45	B1X599	11/7/08	N	Chromium	23.2	µg/L	
699-101-45	B1X598	11/7/08	Y	Chromium	31.3	µg/L	
699-101-45	B1X599	11/7/08	N	Cobalt	5	µg/L	U
699-101-45	B1X598	11/7/08	Y	Cobalt	5	µg/L	U
699-101-45	B1X599	11/7/08	N	Copper	6	µg/L	U
699-101-45	B1X598	11/7/08	Y	Copper	6	µg/L	U
699-101-45	B1X599	11/7/08	N	Fluoride	50	µg/L	UD
699-101-45	B1X599	11/7/08	N	Gross alpha	0.674	pCi/L	U
699-101-45	B1X599	11/7/08	N	Gross beta	8.83	pCi/L	
699-101-45	B1X5M5	11/7/08	N	Hexavalent chromium	37.4	µg/L	
699-101-45	B1X598	11/7/08	Y	Iron	20	µg/L	U
699-101-45	B1X599	11/7/08	N	Iron	25.6	µg/L	B
699-101-45	B1X599	11/7/08	N	Magnesium	10,100	µg/L	
699-101-45	B1X598	11/7/08	Y	Magnesium	10,100	µg/L	
699-101-45	B1X598	11/7/08	Y	Manganese	4	µg/L	U
699-101-45	B1X599	11/7/08	N	Manganese	4	µg/L	U
699-101-45	B1X599	11/7/08	N	Nickel	6	µg/L	U
699-101-45	B1X598	11/7/08	Y	Nickel	6	µg/L	U
699-101-45	B1X599	11/7/08	N	Nitrate	14,000	µg/L	D
699-101-45	B1X599	11/7/08	N	Nitrite	98.5	µg/L	UD
699-101-45	B1X5B0	11/7/08	N	pH measurement	7.28	unit-less	
699-101-45	B1X598	11/7/08	Y	Potassium	4,040	µg/L	
699-101-45	B1X599	11/7/08	N	Potassium	4,200	µg/L	
699-101-45	B1X599	11/7/08	N	Silver	5	µg/L	U
699-101-45	B1X598	11/7/08	Y	Silver	5	µg/L	U
699-101-45	B1X598	11/7/08	Y	Sodium	11,800	µg/L	
699-101-45	B1X599	11/7/08	N	Sodium	12,300	µg/L	

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-101-45	B1X5B0	11/7/08	N	Specific conductance	353	µS/cm	
699-101-45	B1X598	11/7/08	Y	Strontium	306	µg/L	
699-101-45	B1X599	11/7/08	N	Strontium	302	µg/L	
699-101-45	B1X599	11/7/08	N	Sulfate	49,900	µg/L	D
699-101-45	B1X5B0	11/7/08	N	Temperature	16.9	°C	
699-101-45	B1X599	11/7/08	N	Tritium	1,100	pCi/L	
699-101-45	B1X5B0	11/7/08	N	Turbidity	0.48	NTU	
699-101-45	B1X599	11/7/08	N	Vanadium	10	µg/L	U
699-101-45	B1X598	11/7/08	Y	Vanadium	10	µg/L	U
699-101-45	B1X599	11/7/08	N	Zinc	9	µg/L	U
699-101-45	B1X598	11/7/08	Y	Zinc	9	µg/L	U
699-100-43B	B1X5J2	11/10/08	N	Antimony	60	µg/L	U
699-100-43B	B1X5J1	11/10/08	Y	Antimony	60	µg/L	U
699-100-43B	B1X5J1	11/10/08	Y	Barium	25	µg/L	
699-100-43B	B1X5J2	11/10/08	N	Barium	24.2	µg/L	
699-100-43B	B1X5J2	11/10/08	N	Beryllium	4	µg/L	U
699-100-43B	B1X5J1	11/10/08	Y	Beryllium	4	µg/L	U
699-100-43B	B1X5J1	11/10/08	Y	Cadmium	4	µg/L	U
699-100-43B	B1X5J2	11/10/08	N	Cadmium	4	µg/L	U
699-100-43B	B1X5J1	11/10/08	Y	Calcium	28,900	µg/L	
699-100-43B	B1X5J2	11/10/08	N	Calcium	27,800	µg/L	
699-100-43B	B1X5J2	11/10/08	N	Chloride	3,670	µg/L	D
699-100-43B	B1X5J1	11/10/08	Y	Chromium	13.7	µg/L	B
699-100-43B	B1X5J2	11/10/08	N	Chromium	10	µg/L	U
699-100-43B	B1X5J2	11/10/08	N	Cobalt	5	µg/L	U
699-100-43B	B1X5J1	11/10/08	Y	Cobalt	5	µg/L	U
699-100-43B	B1X5J1	11/10/08	Y	Copper	6	µg/L	U
699-100-43B	B1X5J2	11/10/08	N	Copper	6	µg/L	U
699-100-43B	B1X5J2	11/10/08	N	Fluoride	50	µg/L	UD
699-100-43B	B1X5J2	11/10/08	N	Gross alpha	0.183	pCi/L	U
699-100-43B	B1X5J2	11/10/08	N	Gross beta	2.42	pCi/L	
699-100-43B	B1X5M3	11/10/08	N	Hexavalent chromium	8.8	µg/L	
699-100-43B	B1X5J1	11/10/08	Y	Iron	20	µg/L	U
699-100-43B	B1X5J2	11/10/08	N	Iron	28.6	µg/L	B
699-100-43B	B1X5J1	11/10/08	Y	Magnesium	5,870	µg/L	
699-100-43B	B1X5J2	11/10/08	N	Magnesium	5,690	µg/L	
699-100-43B	B1X5J2	11/10/08	N	Manganese	4	µg/L	U
699-100-43B	B1X5J1	11/10/08	Y	Manganese	4	µg/L	U

Table B-4. Fourth Round Results for Groundwater Sampling of New Wells. (32 pages)

Well Name	Sample Number	Sample Date	Filtered?	Constituent	Reported Value	Units	Lab Qualifier
699-100-43B	B1X5J2	11/10/08	N	Nickel	6	µg/L	U
699-100-43B	B1X5J1	11/10/08	Y	Nickel	6	µg/L	U
699-100-43B	B1X5J2	11/10/08	N	Nitrate	5,710	µg/L	D
699-100-43B	B1X5J2	11/10/08	N	Nitrite	98.5	µg/L	UD
699-100-43B	B1X5J5	11/10/08	N	pH measurement	7.12	unit-less	
699-100-43B	B1X5J2	11/10/08	N	Potassium	1,790	µg/L	
699-100-43B	B1X5J1	11/10/08	Y	Potassium	1,820	µg/L	
699-100-43B	B1X5J2	11/10/08	N	Silver	5	µg/L	U
699-100-43B	B1X5J1	11/10/08	Y	Silver	6	µg/L	B
699-100-43B	B1X5J1	11/10/08	Y	Sodium	4,240	µg/L	
699-100-43B	B1X5J2	11/10/08	N	Sodium	4,030	µg/L	
699-100-43B	B1X5J5	11/10/08	N	Specific conductance	196.2	µS/cm	
699-100-43B	B1X5J2	11/10/08	N	Strontium	173	µg/L	
699-100-43B	B1X5J1	11/10/08	Y	Strontium	179	µg/L	
699-100-43B	B1X5J2	11/10/08	N	Sulfate	20,500	µg/L	D
699-100-43B	B1X5J5	11/10/08	N	Temperature	14.9	°C	
699-100-43B	B1X5J2	11/10/08	N	Tritium	245	pCi/L	
699-100-43B	B1X5J5	11/10/08	N	Turbidity	2.48	NTU	
699-100-43B	B1X5J1	11/10/08	Y	Vanadium	10	µg/L	U
699-100-43B	B1X5J2	11/10/08	N	Vanadium	10	µg/L	U
699-100-43B	B1X5J1	11/10/08	Y	Zinc	9	µg/L	U
699-100-43B	B1X5J2	11/10/08	N	Zinc	9	µg/L	U

Laboratory qualifiers:

B = Inorganics and Wetchem: The analyte was detected at a value less than the contract required detection limit, but greater than or equal to the instrument detection limit or method detection limit (as appropriate).

C = The analyte was detected in both the sample and the associated quality control blank, and the sample concentration was less than or equal to five times the blank concentration.

D = Analyte was reported at a secondary dilution factor, typically dilution factor greater than one (i.e., the primary preparation required dilution to either bring the analyte within the calibration range or to minimize interference). Required for organics/Wetchem if the sample was diluted.

U = Analyzed for but not detected above limiting criteria. Limiting criteria may be any of the following: reported value less than zero; reported value less than counting error; reported value less than total analytical error; reported value less than or equal to contract instrument detection limit/method detection limit/minimum detectable activity/practical quantitation limit. Note: When another qualifier accompanies a "U" qualifier the result is always considered non-detected. The qualifier combinations "UJ" and "UL" indicate that the result was non-detected, but the detection limit (i.e., value reported in the "Reported Value" column) was estimated.

Radionuclides: The associated quality control sample blank has a result greater than or equal to two times the minimum detectable activity and, after corrections, the result is greater than or equal to the minimum detectable activity for this sample.

Table B-3. New Aquifer Tube Sample Analyses. (4 pages)

Well Name	Sample Date	HEIS Sample No.	Conductivity (µS/cm)	Temp (°C)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)	Hexavalent chromium Value (µg/L)	Comments
C5632	11/1/07	B1R6L1	146.2	14.1	7.86	-37	8.15	5.38	3.8	
C5632	3/31/08	NA	155	7.4	7.02	204	11.02	9.35	NA	No sample (low conductivity).
C5632	5/14/08	B1V5T0	169	13.1	6.92	111	7.36	2.46	2U	Hexavalent chromium not detected.
C5632	8/14/08	B1WD60	203	30.2	7.24	205	6.81	2.33	2.9	B1WD61 (hexavalent chromium)
C5633	11/1/07	B1R6L2	283.3	14.5	7.94	-147	8.83	7.36	13.9	
C5633	3/31/08	B1T292	267	7.8	7.58	206	10.22	10.9	14.5	
C5633	5/14/08	B1V5T2	237	13.3	7.19	120	8.37	1.49	8.8	
C5633	8/14/08	B1WD62	241	25.3	7.64	168	5.62	2.25	6.7	B1WD63 (hexavalent chromium)
C5634	11/1/07	B1R6L3	220.6	14.5	7.98	-97	10.07	1.09	1.2	
C5634	3/31/08	B1T294	203	6.8	7.87	200	10.93	2.48	NA	Low yield.
C5634	5/14/08	B1V5T4	225	18.6	7.51	112	8.91	35	28.7	
C5634	8/14/08	B1WD64	227	37.5	8.14	130	6.06	9.91	2U	B1WD65 (hexavalent chromium): not detected.
C5635	11/1/07	B1R6L4	142.3	14.1	7.52	4	8.07	4.82	3.8	
C5635	3/31/08	NA	143	6.7	7.72	192	10.8	52.6	NA	No sample (low conductivity).
C5635	5/14/08	B1V5T6	161	12.3	7.82	116	6.87	3.51	2U	Hexavalent chromium not detected.
C5635	8/14/08	B1WD66	172	20.4	7.3	209	7.36	1.19	2U	B1WD67 (Hexavalent chromium): not detected.
C5636	11/1/07	B1R6L5	252.5	14	7.79	-18	5.22	22.1	24	
C5636	3/31/08	B1T298	234	6.4	7.89	206	6.42	96.1	10.7	
C5636	5/14/08	B1V5T8	249	13.9	7.51	136	7.4	0.71	14.1	
C5636	8/14/08	B1WD68	254	25.3	7.31	79	5.28	1.19	6.1	B1WD69 (hexavalent chromium)

Table B-3. New Aquifer Tube Sample Analyses. (4 pages)

Well Name	Sample Date	HEIS Sample No.	Conductivity (µS/cm)	Temp (°C)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)	Hexavalent chromium Value (µg/L)	Comments
C5637	11/1/07	B1R6L6	252.5	14.4	7.67	9	8.88	22.6	20.2	
C5637	3/31/08	B1T2B0	245	7.7	7.81	189	9.39	1.48	14.5	
C5637	5/14/08	B1V5V0	199	12.3	7.51	148	7.17	23.1	3.5	
C5637	8/14/08	B1WD70	235	23.4	7.43	127	7.92	1.19	6.9	B1WD71 (hexavalent chromium)
C5638	11/8/07	B1R6L7	255	13	6.12	160	10.56	10.5	27.4	
C5638	3/31/08	B1T2B2	257	9.3	7.71	181	9.43	15.4	32.5	
C5638	5/14/08	B1V5V2	250	13.5	7.41	148	9.19	23.1	20.7	
C5638	8/14/08	B1WD72	235	20.1	7.58	185	7.31	2.12	23.1	B1WD73 (hexavalent chromium)
C5641	11/7/07	B1R6M0	307	13	7.99	129	6.3	145	51.4	
C5641	3/31/08	B1T2B8	308	8.6	7.93	166	5.46	112	NA	
C5641	5/19/08	B1V5V8	316	18.2	6.32	142	5.64	35.1	45.9	
C5641	8/14/08	B1WD78	326	21.9	7.74	184	6.31	72.5	22.7	B1WD79 (hexavalent chromium)
C5644	11/7/07	B1R6M3	319	12.3	7.11	-17	9.77	679	52.6	
C5644	3/31/08	B1T2C4	280	8.7	7.74	174	7.95	7.18	22.2	
C5644	5/19/08	B1V5W4	292	19.8	7.04	129	7.4	4.44	36.6	
C5644	8/13/08	B1WD84	258	23.9	7.34	136	682	3.44	18.1	B1WD85 (hexavalent chromium)
C5673	11/7/07	B1R6M6	385	12	6.96	68	10.28	28.6	64	
C5673	3/31/08	B1T2D0	348	8.2	7.59	186	9.37	13.4	32.5	

Table B-3. New Aquifer Tube Sample Analyses. (4 pages)

Well Name	Sample Date	HEIS Sample No.	Conductivity (µS/cm)	Temp (°C)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)	Hexavalent chromium Value (µg/L)	Comments
C5673	5/19/08	B1V5X0	362	15.8	7.23	113	7.37	1.6	45.9	
C5673	8/13/08	B1WD90	276	22.5	7.16	158	6.96	5.96	24.4	B1WD91 (hexavalent chromium)
C5674	11/7/07	B1R6M7	360	11.7	6.62	20	8.29	129	37.5	
C5674	3/31/08	B1T2D2	304	8.2	7.81	205	8.08	21.9	26.1	
C5674	5/19/08	B1V5X2	338	13.7	7.34	120	7.77	60.1	73.7	
C5674	8/13/08	B1WD92	28.5	22.8	7.44	149	6.94	14.5	21.2	B1WD93 (hexavalent chromium)
C5676	11/7/07	B1R6M9	411	12.3	7.38	95	10.62	18.2	60.2	
C5676	3/31/08	B1T2D6	409	11.6	7.45	181	9.12	48.1	63.2	
C5676	5/19/08	B1V5X6	304	15.6	7.57	105	4.84	6.16	41.9	
C5676	8/13/08	B1WD96	261	20	7.32	145	7.45	14	20	B1WD97 (hexavalent chromium)
C5677	11/7/07	B1R6N0	400	13	7.54	36	8.54	5.7	46.3	
C5677	3/31/08	B1T2D8	412	11.8	7.64	190	8.36	25.5	58.1	
C5677	5/19/08	B1V5X8	339	14.7	7.45	114	6.26	17.5	57.8	
C5677	8/13/08	B1WD98	258	23	7.45	NA	7.57	8.21	18.7	B1WD99 (hexavalent chromium)
C5678	11/7/07	B1R6N1	370	12.6	7.68	186	4.45	126	33.7	
C5678	3/31/08	B1T2F0	364	11.3	7.72	184	6.78	12.1	40.2	
C5678	5/19/08	B1V5Y0	282	15.2	7.43	120	6.38	12.4	56.5	
C5678	8/13/08	B1WDB0	286	22.6	7.39	138	4.89	2.7	22.5	B1WDB1 (hexavalent chromium)
C5679	11/7/07	B1R6N2	284	12.3	6.57	51	4.94	13.8	8.4	
C5679	3/31/08	B1T2F2	218	11.6	7.57	177	6.44	129	NA	
C5679	5/19/08	B1V5Y2	186	13.7	7.49	136	2.83	1.9	11.5	
C5679	8/13/08	B1WDB2	186	23.7	7.02	143	1.74	1.87	2U	B1WD93 (hexavalent chromium); not detected.

Table B-3. New Aquifer Tube Sample Analyses. (4 pages)

Well Name	Sample Date	HEIS Sample No.	Conductivity (µS/cm)	Temp (°C)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)	Hexavalent chromium Value (µg/L)	Comments
C5680	11/7/07	B1R6N3	285	12.3	7.12	-11	5.01	9.8	10.9	
C5680	3/31/08	B1T2F4	232	11.8	7.8	183	6.68	1.59	3.0	
C5680	5/19/08	B1V5Y4	237	15.2	7.46	93	6.11	1.07	11.5	
C5680	8/13/08	B1WDB4	250	25.8	7.08	-57	5.45	0.71	5.9	B1WDB5 (hexavalent chromium)
C5681	11/7/07	B1R6N4	249	12.7	6.8	125	5.1	17.4	17.3	
C5681	3/31/08	B1T2F6	265	9.5	7.82	187	6.89	19.2	NA	
C5681	5/19/08	B1V5Y6	281	14.5	7.52	110	54.4	6.01	20.7	
C5681	8/13/08	B1WDB6	300	22.2	7.51	82	6.49	5.35	12.1	B1WDB7 (hexavalent chromium)
C5682	11/6/07	B1R6N5	355	12.9	7.22	35	6.47	80.9	11.4	
C5682	3/31/08	B1T2F8	167	10.5	7.68	166	7.7	7.72	NA	No river sample measured - nearest flowing water is more than approximately 300 ft away.
C5682	5/19/08	B1V5Y8	239	15.1	7.41	100	6.07	4.89	20.7	
C5682	8/13/08	B1WDB8	254	20.9	7.26	1.43	6.3	5.12	2.5	B1WDB9 (hexavalent chromium)

DO = dissolved oxygen
HEIS = Hanford Environmental Information System (database)
NA = not available
NTU = nephelometric turbidity unit
ORP = oxidation/reduction potential

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