

Pacific Gas and Electric Company

**April 2006 Monitoring Report for
the Floodplain Reductive Zone In-
Situ Pilot Test**

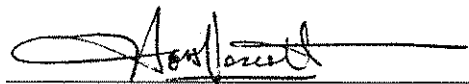
Waste Discharge Requirements
Order No. R7-2006-0008
PG&E Topock Compressor Station
San Bernardino County, California

15 May 2006

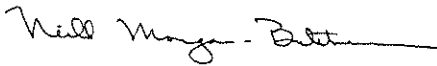
This report was prepared under the supervision of a California
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Zone In-Situ Pilot Test**

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Pacific Gas and Electric Company

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disclosure under applicable law.*

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Acronyms and Abbreviations

RWQCB	California Regional Water Quality Control Board, Colorado River Basin Region
COC	Chain-of-Custody
ISPT	In-Situ Pilot Test
IDW	Investigation Derived Waste
MRP	Monitoring and Reporting Program
PG&E	Pacific Gas and Electric
SAFPM	Sampling, Analysis, and Field Procedures Manual, PG&E Topock Program, Revision 1
STL	Severn Trent Laboratories, Inc.
TOC	Total Organic Carbon
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency

1. Introduction

Pacific Gas and Electric (PG&E) is implementing a floodplain reductive zone in-situ pilot test (ISPT) to address chromium concentrations in groundwater at the Topock Compressor Station near Needles, California. The purpose of the floodplain ISPT is to evaluate the efficacy of using a food-grade reagent mixture to reduce hexavalent chromium in groundwater to form stable, insoluble trivalent chromium. The floodplain ISPT consists of injecting the reagent mixture into a well cluster (PTI-1S/M/D) and monitoring the results in six three-level well nests (PT-1 through PT-6). Figure 1 provides a map of the PG&E Topock Compressor Station and ISPT area. (All figures are provided at the end of the report).

California Regional Water Quality Control Board, Colorado River Basin Region (RWQCB) Order No. R7-2006-0008 authorizes PG&E to inject 6,000 gallons of blended groundwater and reagent mixture into the shallow, middle and deep depths of injection well cluster (PTI-1S/M/D) located in the Colorado River floodplain. Injection of the reagent mixture may occur one to four times during a six-month period.

The Monitoring and Reporting Program (MRP) under Order No. R7-2006-0008 requires monthly monitoring reports to be submitted by the 15th day of the following month. This report describes monitoring activities related to the floodplain ISPT for April 2006.

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2. In-Situ Pilot Test Sampling Locations

Table 1 summarizes the well construction details of the injection well cluster (PTI-1S/M/D) and monitoring well nests (PT-1 through PT-6). Figure 2 provides a map of the sampling locations, including extraction wells TW-2D, TW-3D, and PE-1. (All figures are provided at the end of the report).

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3. Description of Activities

The procedures and the refinements to the floodplain ISPT are outlined in the following documents: *The In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement* (Work Plan), dated August 2005, the *Final Addendum to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement* (Work Plan Addendum), dated December 5, 2005, and the *Addendum 2 to the In-Situ Hexavalent Chromium Reduction Pilot Test Work Plan, Floodplain Reductive Zone Enhancement* (Work Plan Addendum 2), dated April 14, 2006. In order to complete the ISPT and to act in accordance with the Work Plan, the Work Plan Addendum and the Work Plan Addendum 2, ARCADIS completed the second baseline sampling event the week of April 3, 2006. Associated field activities were performed in accordance with the applicable procedures contained within the Sampling, Analysis, and Field Procedures Manual, PG&E Topock Program, Revision 1 (SAFPM).

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Prior to injection activities, two baseline sampling events were planned. The first baseline monitoring event was performed in March 2006 and was discussed in the *March 2006 and First Quarter 2006 Monitoring Reports for the Floodplain Reductive Zone In-Situ Pilot Test*, dated April 15, 2006. The second baseline monitoring event was performed in April at the injection wells (PTI-1S/M/D), the monitoring wells (PT-1 through PT-6) and three extraction wells (TW-2D, TW-3D and PE-1) between April 3 and April 7, 2006. Groundwater samples from each well were analyzed for hexavalent chromium (United States Environmental Protection Agency [USEPA] Method 7199) by Truesdail Laboratories (Truesdail); fluorescein (in-house method) by Ozark Underground Laboratory (Ozark); iodide (USEPA Method 300) by Severn Trent Laboratories, Inc. (STL); chromium, dissolved and total iron, manganese, calcium, magnesium, arsenic, potassium, sodium (USEPA Method 6010B) nitrate, nitrite, sulfate, carbonate, bicarbonate alkalinity, chloride, bromide, phosphorous (USEPA Method 300) TOC (USEPA Method 415.5), and sulfide (USEPA Method 376.1) by EMAX Laboratories, Inc. (EMAX). EMAX also analyzed samples for total dissolved solids (USEPA 160.1) for consistency with other groundwater monitoring programs at Topock. Samples were collected, labeled and packaged according to the SAFPM.

Table 3 and 4 present the groundwater analytical results. As required under the MRP, calibration logs for field-monitoring instruments are included in Appendix A. Groundwater sampling logs are included in Appendix B.

4. Sampling and Analytical Procedures

Groundwater sampling, and associated tasks, were performed in accordance with the applicable procedures contained in the SAFPM.

Prior to groundwater sampling, depth to waters were recorded for each well. This data was used to evaluate the volume of standing water in the well. Each well was purged using an in-series whale pump with dedicated polyethylene tubing. During the purge process, field parameters such as pH, specific conductance, temperature, color, odor, and depth to water were recorded (Table 2). Purging continued until 3-casing volumes had been removed and the field parameters were stabilized (+/- 10%). After completion of purging, the groundwater samples were collected into the appropriate containers. Extraction well (TW-2D, TW-3D and PE-1) samples were collected from dedicated sampling ports. Water was purged from the sample port prior to sampling the extraction wells, to remove any stagnant water from the port.

The samples were stored in coolers at 4° Celsius and transported to Truesdail, EMAX, STL and Ozark via a courier service under COC documentation. Truesdail, EMAX, and STL are certified by the California Department of Health Services (Certification #1247, #02116CA, and #2496, respectively) under the State of California's Environmental Laboratory Accreditation Program.

Analyses were performed in accordance with the latest edition of the "Guidelines Establishing Test Procedures for Analysis Pollutants" (40 CFR Part 136), or equivalent methods promulgated by the USEPA, as well as applicable procedures contained in the SAFPM.

Sampling of the injection well cluster (PTI-1S/M/D), three-level well nests (PT-1 through PT-6), and extraction wells (TW-2, TW-3, and PE-1) was conducted in accordance with the sampling frequency required by the MRP, as shown in Tables 2, 3 and 4. Sample results are summarized in Tables 3 and 4. As required by the MRP, calibration logs for field-monitoring instruments are presented in Appendix A. Sampling logs are presented in Appendix B. Copies of laboratory analytical results are presented in Appendix C.

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5. Analytical Results

Laboratory reports prepared by the certified analytical laboratories are presented in Appendix C. Summaries of field parameters, primary baseline parameters and secondary baseline parameters are presented in Tables 2, 3 and 4, respectively, for the injection well cluster (PTI-1S/M/D), the six three-level well nests (PT-1 through PT-6), and three extraction wells (TW-2, TW-3, and PE-1).

The results of the second baseline sampling event were generally comparable to the first baseline event. Data trends will be assessed once the injections have been performed and more data are available.

Table 5 identifies the laboratory that performed each analysis and lists the following required monitoring information:

- Sample Location
- Sample identification
- Sampler name
- Sample date
- Sample time
- Laboratory performing the analysis
- Analysis method
- Analysis date
- Laboratory technician

The Work Plan Addendum states that hexavalent chromium samples shall be taken for field analysis at the IM-3 laboratory. Although samples were collected during the sampling event, five of the samples (PT-3M, PT-4M, and PT-5S/M/D) were not able to be analyzed within the required holding times. Because these samples were also submitted to Truesdail for analysis, the required hexavalent chromium data were still

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obtained. No maintenance problems or other interruptions to remedial systems occurred during the reporting period. Table 6 presents the operation issues during the reporting period.

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6. Conclusions

This report summarizes the results of the month of April 2006, which included the second baseline sampling event. No temporal trends were noted because this was the second groundwater monitoring event. Trends will be evaluated as more data become available.

There were no incidents of non-compliance with respect to the Order.

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7. Certification

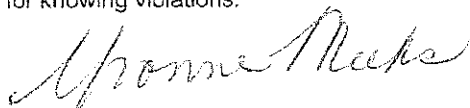
PG&E submitted a signature delegation letter to the RWQCB on August 12, 2005. The letter delegated PG&E's signature authority to Mr. Curt Russell and Ms. Yvonne Meeks.

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Certification Statement:

I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Signature:



Name: Yvonne Meeks

Company: PG&E

Title: Project Manager

Date: May 15, 2006

Appendix A

Calibration Log for Field Monitoring
Instruments

Table 1
Boring and Well Construction Detail Summary
PG&E Topock
Needles, California
April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Well or Boring Designation	Date Completed	Aquifer Zone	Ground Elevation* (feet msl)	TOC Elevation** (feet msl)	Total Depth of Boring (feet bgs)	Casing Diameter (inches)	Boring Diameter (inches)	Well Completion Depth (feet bgs)	Well Completion Elevation (feet msl)	Screen Depth Interval (feet bgs)	Screen Elevation Interval (feet msl)	Sand Pack Depth Interval (feet bgs)	Sand Pack Elevation Interval (feet msl)	Bentonite Depth Interval (feet bgs)	Bentonite Elevation Interval (feet msl)	Well Permit Number	Distance From PTI-1 (feet)	Latitude	Longitude
PT-1S	31-Jan-06	S	472.239	474.644	125	2	10	45	430	35-45	440-430	32-47	443-428	28-32	447-443	2006010013	20	34º 43' 10.3"	114º 29' 25.8"
PT-1M	31-Jan-06	M	472.239	474.622	125	2	10	70	405	60-70	415-405	57-72	428-403	46-57	429-418	2006010013	23	34º 43' 10.3"	114º 29' 25.8"
PT-1D	31-Jan-06	D	472.239	474.627	125	2	10	105	370	95-105	380-370	92-125	383-350	72-92	403-383	2006010013	24	34º 43' 10.3"	114º 29' 25.8"
PT-2S	8-Feb-06	S	471.627	473.487	127	2	10	45	428	35-45	438-428	32-47	441-426	28-32	445-441	2006010012	45	34º 43' 10.3"	114º 29' 26.1"
PT-2M	8-Feb-06	M	471.627	473.587	127	2	10	70	404	60-70	414-404	57-72	423-402	46-57	428-417	2006010012	47	34º 43' 10.3 "	114º 29' 26.1"
PT-2D	8-Feb-06	D	471.627	473.522	127	2	10	105	369	95-105	379-369	92-127	382-347	72-92	402-382	2006010012	49	34º 43' 10.3"	114º 29' 26.1"
PT-3S	14-Feb-06	S	471.698	473.584	129	2	10	45	429	35-45	439-429	32-47	442-427	28-32	446-442	2006010011	12	34º 43' 10.2"	114º 29' 25.6"
PT-3M	14-Feb-06	M	471.698	473.520	129	2	10	70	404	60-70	414-404	57-72	427-402	46-57	428-417	2006010011	15	34º 43' 10.2"	114º 29' 25.6"
PT-3D	14-Feb-06	D	471.698	473.525	129	2	10	105	369	95-105	379-369	92-127	382-347	72-92	402-382	2006010011	13	34º 43' 10.2"	114º 29' 25.6"
PT-4S	12-Feb-06	S	471.79	474.430	127	2	10	45	429	35-45	439-429	32-47	442-427	28-32	446-442	2006010010	27	34º 43' 10.1"	114º 29' 25.4"
PT-4M	12-Feb-06	M	471.79	474.331	127	2	10	70	404	60-70	414-404	57-72	423-403	46-57	428-417	2006010010	29	34º 43' 10.1"	114º 29' 25.4"
PT-4D	12-Feb-06	D	471.79	474.299	127	2	10	105	369	95-105	379-369	92-127	382-347	72-92	402-382	2006010010	24	34º 43' 10.1"	114º 29' 25.4"
PT-5S	10-Feb-06	S	471.262	473.611	127	2	10	45	429	35-45	439-429	32-47	442-427	28-32	446-442	2006010009	54	34º 43' 10.1"	114º 29' 25.0"
PT-5M	10-Feb-06	M	471.262	473.630	127	2	10	70	404	60-70	414-404	57-72	427-402	46-57	428-417	2006010009	53	34º 43' 10.2"	114º 29' 25.0"
PT-5D	10-Feb-06	D	471.262	473.625	127	2	10	105	369	95-105	379-369	92-127	382-347	72-92	402-382	2006010009	49	34º 43' 10.2"	114º 29' 25.0"
PT-6S	28-Jan-06	S	474.441	475.981	137	2	10	45	431	35-45	441-431	32-47	444-429	28-32	448-444	2006010008	27	34º 43' 10.6"	114º 29' 25.4"
PT-6M	28-Jan-06	M	474.441	476.025	137	2	10	70	406	60-70	416-406	57-72	425-404	46-57	430-419	2006010008	23	34º 43' 10.6"	114º 29' 25.4"
PT-6D	28-Jan-06	D	474.441	476.013	137	2	10	105	371	95-105	381-381	92-137	384-339	72-92	444-384	2006010008	25	34º 43' 10.6"	114º 29' 25.4"
PTI-1S	28-Jan-06	S	472.751	475.035	47	4	10	45	430	35-45	440-430	32-47	443-428	28-32	447-443	2006010006	0	34º 43' 10.4"	114º 29' 25.5"
PTI-1M	26-Jan-06	M	472.938	475.087	77	4	10	70	405	60-70	415-405	57-72	428-403	46-57	429-418	2006010007	0	34º 43' 10.4"	114º 29' 25.6"
PTI-1D	26-Jan-06	D	472.573	474.762	137	4	10	105	370	95-105	380-370	92-137	383-338	72-92	403-383	2006010005	0	34º 43' 10.4"	114º 29' 25.6"
TW-2D	1-Apr-04	D	496.932	496.932	180	6	12	153	344	113-148	384-349	108-153	389-344	153-180, 101-108	344-317, 396-394	-	205	34º 43' 10.3"	114º 29' 28.0"
TW-3D	24-Oct-05	D	497.415	497.415	157	6	10	153	344	111-156	386-341	105-157	392-340	50-105	447-392	-	217	34º 43' 10.2"	114º 29' 28.1"
PE-1	2-Mar-05	D	466.879	496.549	105	6	10	110	387	79-89	418-408	76-99	421-398	99-105, 72-76	398-425, 392-421	2005101057	296	34º 43' 9.3"	114º 29' 22.2"

Notes:

feet bgs	Feet below ground surface
feet msl	Feet mean sea level
PTI-	Pilot test injection well
PT-	Pilot test monitoring well
S	Shallow
M	Middle
D	Deep
TOC	Top of casing
*	Elevations are in feet, North American Vertical Datum of 1988 (NAVD 88), NGS data sheet EU0763.
**	Reference elevation
-	Not available

Table 2
Summary of Field Parameters
PG&E Topock
Needles, California

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-1S	17-Mar-06	N	35-45	-150.7	7.05	6,565	26.62	6
	06-Apr-06	N		-173	7.06	6,892	26.92	5
PT-1M	17-Mar-06	N	60-70	-211	7.46	7,000	26.21	3
	06-Apr-06	N		-211.1	9	7,506	26.54	3
PT-1D	17-Mar-06	N	95-105	-129.5	7.36	13,149	26.06	192
	06-Apr-06	N		112	6.66	14,027	26	3,040
PT-2S	17-Mar-06	N	35-45	-204	7.27	6,273	26.87	5
	06-Apr-06	N		-175.9	6.14	6,867	26.79	7
PT-2M	17-Mar-06	N	60-70	-170.9	7.29	7,304	26.3	6
	06-Apr-06	N		-173.8	8.01	7,752	26.9	2
PT-2D	17-Mar-06	N	95-105	-100.5	7.21	12,626	26.17	80
	06-Apr-06	N		-71.3	7.04	13,924	26.03	2,300
PT-3S	16-Mar-06	N	35-45	-218.9	7.14	6,353	26.67	3
	03-Apr-06	N		-238.1	7.38	6,846	26.68	5
PT-3M	18-Mar-06	N	60-70	-249.1	7.96	7,232	26.19	3
	07-Apr-06	N		-218.3	7.33	8,041	26.06	---
PT-3D	18-Mar-06	N	95-105	-54.4	7.38	13,782	25.98	231
	05-Apr-06	N		51.8	7.51	14,347	26.71	388
PT-4S	15-Mar-06	N	35-45	-257	7.32	7,072	26.16	3
	06-Apr-06	N		-159.9	7.8	7,783	26.11	4
PT-4M	15-Mar-06	N	60-70	-246.1	7.9	6,784	25.99	3
	07-Apr-06	N		-210.5	7.48	7,566	26.28	---
PT-4D	15-Mar-06	N	95-105	-98.4	7.4	15,180	26.02	293
	05-Apr-06	N		-30	7.58	162,310	26.61	292
PT-5S	16-Mar-06	N	35-45	-204.9	7.33	7,714	25.81	5
	07-Apr-06	N		-177.3	7	8,640	25.75	---
PT-5M	16-Mar-06	N	60-70	-184.6	7.29	6,989	25.48	4
	07-Apr-06	N		-183.5	6.97	8,609	25.8	---
PT-5D	16-Mar-06	N	95-105	-191.1	7.71	8,304	25.85	310
	07-Apr-06	N		-181.1	7.05	8,561	25.78	---

Table 2
Summary of Field Parameters
 PG&E Topock
 Needles, California

April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-6S	18-Mar-06	N	35-45	-91.7	6.99	10,053	25.49	7
	04-Apr-06	N		-187.9	7.22	10,379	26.56	6
PT-6M	16-Mar-06	N	60-70	-120.1	7.25	7,221	26.13	3
	04-Apr-06	N		-114.1	7.45	7,761	26.18	8
PT-6D	16-Mar-06	N	95-105	-118.9	7.73	13,489	25.9	169
	04-Apr-06	N		-91.1	7.72	12,784	26.95	2,580
PTI-1S	15-Mar-06	N	35-45	-203.1	7.1	6,390	26.83	4
	05-Apr-06	N		-184	7.28	6,964	27.06	5
PTI-1M	15-Mar-06	N	60-70	-220.1	7.38	7,338	26.17	140
	04-Apr-06	N		-173.8	7.71	7,919	27.06	10
PTI-1D	15-Mar-06	N	95-105	-89.9	7.37	13,018	26.04	89
	03-Apr-06	N		-87	7.68	13,811	26.07	3,520
PE-1	17-Mar-06	N	79-89	---	---	---	---	115
	05-Apr-06	N		---	---	---	---	144
TW-2D	17-Mar-06	N	113-148	---	---	---	---	810
	05-Apr-06	N		---	---	---	---	81
TW-3D	17-Mar-06	N	111-156	---	---	---	---	183
	05-Apr-06	N		---	---	---	---	173

Notes:

Most recent data indicated in **BOLD**

ft bgs Feet below ground surface
 µS/cm Microsiemens per centimeter
 µg/L Micrograms per liter
 mV Millivolts
 C° Degrees Celsius
 ORP Oxidation Reduction Potential
 N Normal
 --- Not available

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Hexavalent Chromium (µg/L)	Dissolved Chromium (µg/L)	Iodide (µg/L)	Bromide (mg/L)	Fluorescein (ppb)	Nitrate-N (mg/L)	Nitrite-N (mg/L)	Total Iron (µg/L)	Dissolved Iron (µg/L)	Dissolved Manganese (µg/L)	Sulfate (mg/L)	Total Organic Carbon
PT-1S	17-Mar-06	N	35-45	<1	1.3	<1000	<0.5	ND	<0.5	<.1	3,050	1,930	1,320	198	2.98
	06-Apr-06	N		<0.2	<1	<1000	<0.5	ND	<0.5	<0.5	1,910	1,860	779	181	3.04
PT-1M	17-Mar-06	N	60-70	<1	<1	<1000	<0.5	ND	<0.5	<.1	<500	<500	1,330	411	1.14
	06-Apr-06	N		<1	1	<1000	<0.5	ND	<0.5	<0.5	591	557	1,350	446	1.1
PT-1D	17-Mar-06	N	95-105	2,470	2,270	<1000	0.581	ND	1.84	<0.5	<500	<500	88.2	943	1.07
	17-Mar-06	FD		2,460	2,230	<1000	<0.5	ND	1.84	<0.5	<500	<500	85.7	941	1.18
	06-Apr-06	N		3,080	2,770	5,450	<0.5	ND	2.27	<0.5	<500	<500	51	978	1.09
	06-Apr-06	FD		2,960	2,690	6,150	<0.5	ND	2.26	<0.5	<500	<500	54.8	963	1.1
PT-2S	17-Mar-06	N	35-45	<1	<1	<1000	0.563	ND	<0.5	<.1	34,300	976	1,170	11.7	7.42
	06-Apr-06	N		<0.2	<1	<1000	<0.5	ND	<0.5	<0.5	30,200	1,850	1,240	8.91	8.57
PT-2M	17-Mar-06	N	60-70	<1	8.19	<1000	<0.5	ND	<0.5	<0.5	<500	<500	547	474	<1
	06-Apr-06	N		<0.2	7.58	<1000	<0.5	ND	<0.5	<.1	<500	<500	380	471	<1
PT-2D	17-Mar-06	N	95-105	1,660	1,580	<1000	<0.5	ND	1.23	<0.5	<500	<500	154	931	1.09
	17-Mar-06	FD		1,670	1,570	<1000	<0.5	ND	1.26	<0.5	<500	<500	161	924	1.24
	06-Apr-06	N		2,310	2,160	4,440	<0.5	ND	1.68	<0.5	<500	<500	79.7	924	1.02
	06-Apr-06	FD		2,290	2,170	4,100	<0.5	ND	1.84	<0.5	<500	<500	78.3	946	<1
PT-3S	16-Mar-06	N	35-45	<1	40.3	<1000	<0.5	ND	<0.5	<.1	6,370	4,860	1,160	217	4.27
	03-Apr-06	N		<1	1.48	<1000	<0.5	ND	<0.5	<0.5	5,510	4,990	988	221	4.66
PT-3M	18-Mar-06	N	60-70	<1	<1	<1000	<0.5	ND	<0.5	<0.5	<500	<500	1,670	571	1.33
	07-Apr-06	N		<1	<1	<1000	<0.5	ND	<0.5	<0.5	<500	<500	2,020	672	1.01
PT-3D	18-Mar-06	N	95-105	4,390	4,370	<1000	<0.5	ND	3.33	<0.5	<500	<500	16.7	984	<1
	05-Apr-06	N		4,440	4,680	8,870	<0.5	ND	3.28	<0.5	<500	<500	10.2	966	<1
PT-4S	15-Mar-06	N	35-45	<1	3.83	714 J	<0.5	ND	<0.5	<.1	4,060	713	919	474	1.69
	06-Apr-06	N		<1	5.84	<1000	<0.5	ND	<0.5	<0.5	2,510	1,350	707	450	1.69

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California

April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Hexavalent Chromium (µg/L)	Dissolved Chromium (µg/L)	Iodide (µg/L)	Bromide (mg/L)	Fluorescein (ppb)	Nitrate-N (mg/L)	Nitrite-N (mg/L)	Total Iron (µg/L)	Dissolved Iron (µg/L)	Dissolved Manganese (µg/L)	Sulfate (mg/L)	Total Organic Carbon
PT-04M	15-Mar-06	N	60-70	<1	<1	750 J	<0.5	ND	<0.5	<.1	<500	<500	966	609	<1
	07-Apr-06	N		<1	1.63	<1000	<0.5	ND	<0.5	<0.5	<500	<500	766	722	1.05
PT-4D	15-Mar-06	N	95-105	5,670	5,510	<1000	1.32	ND	4.28	<0.5	<500	<500	8.27	1,080	<1
	05-Apr-06	N		5,960	5,480	12,900	<0.5	ND	4.7	<0.5	<500	<500	<5	1,110	1
PT-5S	16-Mar-06	N	35-45	<1	2.71	<1000	<0.5	ND	<0.5	<.1	949	971	2,440	401	3.2
	07-Apr-06	N		<1	<1	<1000	<0.5	ND	<0.5	<0.5	995	1,030	1,850	490	2.76
PT-5M	16-Mar-06	N	60-70	<1	<1	<1000	<0.5	ND	<0.5	<.1	<500	<500	707	463	1.04
	07-Apr-06	N		<1	<1	<1000	<0.5	ND	<0.5	<0.5	1,850	1,820	1,770	443	3.31
PT-5D	16-Mar-06	N	95-105	6,150	5,650	<1000	<0.5	ND	4.86	0.258	<500	<500	355	1,080	<1
	07-Apr-06	N		<0.2	<1	<1000	<0.5	ND	<0.5	<0.5	2,280	2,200	1,700	403	3.49
PT-6S	16-Mar-06	N	35-45	<1	---	---	---	---	---	---	---	---	---	---	---
	18-Mar-06	N		---	4.6	<1000	1.18	ND	<0.5	<1	4,560	3,530	9,260	60	13.4
	04-Apr-06	N		<1	<1	<1000	1.3	ND	<0.5	<0.5	11,600	6,310	7,650	57.8	14.2
PT-6M	16-Mar-06	N	60-70	<1	<1	<1000	<0.5	ND	<0.5	<.1	<500	<500	56.1	486	<1
	04-Apr-06	N		<1	<1	<1000	<0.5	ND	<0.5	<0.5	<500	<500	55.2	498	1.22
PT-6D	16-Mar-06	N	95-105	3,310	3,140	<1000	<0.5	ND	2.5	0.218	<500	<500	361	844	<1
	04-Apr-06	N		2,270	2,180	4,230	<0.5	ND	1.73	<0.5	<500	<500	258	750	<1
PTI-1S	15-Mar-06	N	35-45	<1	19.8	708 J	<0.5	ND	<0.5	<.1	7,360	8,350	717	122	4.55
	05-Apr-06	N		<1	<1	<1000	<0.5	ND	<0.5	<0.5	7,730	3,320	606	120	4.84
PTI-1M	15-Mar-06	N	60-70	3.9	8.2	718 J	<0.5	ND	<0.5	<.1	<500	<500	141	510	<1
	04-Apr-06	N		3.3	11.1	<1000	<0.5	ND	<0.5	<0.5	<500	<500	99.5	529	<1
PTI-1D	15-Mar-06	N	95-105	1,620	1,580	<1000	2.63	ND	<0.5	<0.5	<500	<500	1,070	907	1.3
	03-Apr-06	N		3,350	3,370	6,420	<0.5	ND	2.59	<0.5	<500	<500	140	912	<1

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California

April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Hexavalent Chromium (µg/L)	Dissolved Chromium (µg/L)	Iodide (µg/L)	Bromide (mg/L)	Fluorescein (ppb)	Nitrate-N (mg/L)	Nitrite-N (mg/L)	Total Iron (µg/L)	Dissolved Iron (µg/L)	Dissolved Manganese (µg/L)	Sulfate (mg/L)	Total Organic Carbon
PE-1	17-Mar-06	N	79-89	148	138	<1000	<0.5	ND	<0.5	<0.5	<500	<500	12.7	900	2.14
	05-Apr-06	N		140	136	<1000	<0.5	ND	<0.5	<0.5	<500	<500	12.3	939	1.99
TW-2D	17-Mar-06	N	113-148	1,430	1,530	<1000	<0.5	ND	1.67	<0.5	<500	<500	<5	501	<1
	05-Apr-06	N		1,350	1,240	2,550	<0.5	ND	1.51	<0.5	<500	<500	<5	509	<1
TW-3D	17-Mar-06	N	111-156	3,350	3,070	<1000	<0.5	ND	4.87	<.2	<500	<500	<5	613	1.04
	05-Apr-06	N		3,140	2,980	6,120	<0.5	ND	4.61	<0.5	<500	<500	<5	645	<1
Field Blank	17-Mar-06	FB	NA	<0.21	<1	<1000	<0.5	ND	<0.5	<.1	<500	<500	<5	<0.5	<1
	04-Apr-06	FB		<0.2	<1	<1000	<0.5	ND	<0.5	<.1	<500	<500	<5	<0.5	<1
Equipment Blank	17-Mar-06	EB	NA	<0.21	2.91	<1000	<0.5	ND	<0.5	<.1	<500	<500	<5	<0.5	<1
	07-Apr-06	EB		<0.2	<1	<1000	<0.5	ND	<0.5	<.1	<500	<500	<5	<0.5	<1

Notes:

Most recent data indicated in **BOLD**

ft bgs	Feet below ground surface
mg/L	Milligrams per liter
µg/L	Micrograms per liter
ppb	Parts per billion
<	Symbol indicates not detected at or above laboratory detection limit as noted
N	Normal
EB	Equipment blank
FB	Field blank
FD	Field duplicate
J	Reported value is estimated
NA	Not applicable
ND	Not detected
Nitrate-N	Nitrate as Nitrogen
Nitrite-N	Nitrite as Nitrogen
---	Not analyzed
Dissolved	Samples were field filtered with a 0.45 micron filter

Table 4
Summary of Secondary Analytical Parameters

PG&E Topock
Needles, California

April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Dissolved Calcium (µg/L)	Dissolved Magnesium (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Potassium (µg/L)	Dissolved Sodium (µg/L)	Alkalinity bicarbonate (mg/L)	Alkalinity carbonate (mg/L)	Chloride-Cl (mg/L)	Orthophosphate-P (mg/L)	Sulfide (mg/L)
PT-1S	17-Mar-06	N	35-45	262,000	74,700	<5	15,400	1,040,000	367	<5	1,710	<0.5	<2
	06-Apr-06	N		267,000	70,500	<5	14,400	1,090,000	368	<5	1,740	<0.5	<2
PT-1M	17-Mar-06	N	60-70	229,000	40,100	<5	15,700	1,230,000	145	<5	1,790	<0.5	<2
	06-Apr-06	N		242,000	40,600	<5	15,000	1,290,000	144	<5	1,840	<0.5	<2
PT-1D	17-Mar-06	N	95-105	321,000	24,900	<5	24,600	2,540,000	107	<5	3,650	<0.5	<2
	17-Mar-06	FD		316,000	24,900	<5	24,800	2,550,000	110	<5	3,610	<0.5	<2
	06-Apr-06	N		332,000	24,000	<5	25,300	2,680,000	101	<5	3,780	<0.5	<2
	06-Apr-06	FD		334,000	23,600	<5	25,100	2,700,000	98.1	<5	3,700	<0.5	<2
PT-2S	17-Mar-06	N	35-45	273,000	92,700	<5	12,500	929,000	613	<5	1,630	<0.5	<2
	06-Apr-06	N		300,000	99,800	<5	12,100	1,030,000	635	<5	1,670	<0.5	<2
PT-2M	17-Mar-06	N	60-70	227,000	35,600	<5	14,700	1,340,000	264	<5	1,880	<0.5	<2
	06-Apr-06	N		232,000	35,600	<5	13,400	1,400,000	204	<5	1,920	<0.5	<2
PT-2D	17-Mar-06	N	95-105	314,000	25,700	<5	24,900	2,530,000	125	<5	3,530	<0.5	<2
	17-Mar-06	FD		315,000	26,300	<5	25,200	2,560,000	112	<5	3,560	<0.5	<2
	06-Apr-06	N		338,000	25,600	<5	25,100	2,640,000	109	<5	3,550	<0.5	<2
	06-Apr-06	FD		338,000	25,800	<5	25,300	2,650,000	109	<5	3,660	<0.5	<2
PT-3S	16-Mar-06	N	35-45	244,000	85,600	<5	10,000	942,000	334	<5	1,740	<0.5	<2
	03-Apr-06	N		236,000	80,600	5.08	10,300	930,000	369	<5	1,800	<0.5	<2
PT-3M	18-Mar-06	N	60-70	162,000	32,600	<5	19,900	1,360,000	112	<5	1,830	<0.5	<2
	07-Apr-06	N		184,000	30,500	<5	18,300	1,510,000	131	<5	1,910	<0.5	<2
PT-3D	18-Mar-06	N	95-105	273,000	19,200	<5	22,900	2,570,000	104	<5	3,920	<0.5	<2
	05-Apr-06	N		277,000	18,200	<5	22,200	2,720,000	87.2	<5	3,760	<0.5	<2

Table 4
Summary of Secondary Analytical Parameters
PG&E Topock
Needles, California

April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Dissolved Calcium (µg/L)	Dissolved Magnesium (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Potassium (µg/L)	Dissolved Sodium (µg/L)	Alkalinity bicarbonate (mg/L)	Alkalinity carbonate (mg/L)	Chloride-Cl (mg/L)	Orthophosphate-P (mg/L)	Sulfide (mg/L)
PT-4S	15-Mar-06	N	35-45	261,000	64,300	6.22	14,100	1,180,000	184	<5	1,800	1.35	<2
	06-Apr-06	N		282,000	61,800	6.56	13,400	1,300,000	188	<5	2,020	<0.5	<2
PT-4M	15-Mar-06	N	60-70	148,000	25,700	<5	18,700	1,370,000	144	<5	1,800	<0.5	<2
	07-Apr-06	N		155,000	28,900	<5	20,400	1,480,000	117	<5	1,800	<0.5	<2
PT-4D	15-Mar-06	N	95-105	334,000	20,700	5.13	24,800	3,150,000	79.4	<5	4,350	<0.5	<2
	05-Apr-06	N		339,000	21,100	<5	24,000	3,060,000	68.1	<5	4,450	<0.5	<2
PT-5S	16-Mar-06	N	35-45	315,000	72,300	8.86	14,200	1,320,000	279	<5	2,050	<0.5	<2
	07-Apr-06	N		323,000	65,700	9.36	13,800	1,460,000	237	<5	2,170	<0.5	<2
PT-5M	16-Mar-06	N	60-70	196,000	33,000	<5	11,000	1,220,000	237	<5	1,740	<0.5	<2
	07-Apr-06	N		332,000	72,200	11.1	14,500	1,420,000	270	<5	2,210	<0.5	<2
PT-5D	16-Mar-06	N	95-105	317,000	21,000	<5	24,500	3,150,000	62.3	<5	4,460	<0.5	<2
	07-Apr-06	N		337,000	73,200	11.5	14,500	1,400,000	289	<5	2,190	<0.5	<2
PT-6S	18-Mar-06	N	35-45	269,000	157,000	12.6	21,400	1,490,000	501	<5	2,870	<0.5	<2
	04-Apr-06	N		296,000	153,000	15.2	20,300	1,540,000	451	<5	2,900	<0.5	<2
PT-6M	16-Mar-06	N	60-70	230,000	39,700	<5	11,800	1,300,000	227	<5	1,840	<0.5	<2
	04-Apr-06	N		238,000	43,400	<5	12,800	1,392,000	227	<5	1,980	<0.5	<2
PT-6D	16-Mar-06	N	95-105	245,000	16,200	<5	19,900	2,600,000	102	<5	3,630	<0.5	<2
	04-Apr-06	N		239,000	17,500	<5	19,800	2,620,000	97.3	<5	3,420	<0.5	<2
PTI-1S	15-Mar-06	N	35-45	266,000	88,200	13.2	11,600	980,000	375	<5	1,730	<0.5	<2
	05-Apr-06	N		266,000	88,200	7.18	11,200	996,000	357	<5	1,760	<0.5	<2
PTI-1M	15-Mar-06	N	60-70	223,000	33,200	<5	12,200	1,360,000	179	<5	1,910	<0.5	<2
	04-Apr-06	N		226,000	37,700	<5	12,800	1,480,000	180	<5	2,050	<0.5	<2
PTI-1D	15-Mar-06	N	95-105	289,000	21,500	<5	23,600	2,470,000	134	<5	3,420	<0.5	<2

Table 4
Summary of Secondary Analytical Parameters

PG&E Topock
Needles, California

April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Dissolved Calcium (µg/L)	Dissolved Magnesium (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Potassium (µg/L)	Dissolved Sodium (µg/L)	Alkalinity bicarbonate (mg/L)	Alkalinity carbonate (mg/L)	Chloride-Cl (mg/L)	Orthophosphate-P (mg/L)	Sulfide (mg/L)
	03-Apr-06	N		267,000	18,000	<5	21,700	2,600,000	99.7	<5	3,620	<0.5	<2
PE-1	17-Mar-06	N	79-89	261,000	37,400	<5	19,700	2,200,000	277	<5	2,990	<0.5	<2
	05-Apr-06	N		263,000	36,400	<5	19,600	2,090,000	256	<5	3,110	<0.5	<2
TW-2D	17-Mar-06	N	113-148	207,000	23,600	<5	13,200	1,240,000	110	<5	1,920	<0.5	<2
	05-Apr-06	N		231,000	25,800	<5	14,700	1,400,000	112	<5	2,070	<0.5	<2
TW-3D	17-Mar-06	N	111-156	254,000	27,700	<5	15,900	1,540,000	97.3	<5	2,190	<0.5	<2
	05-Apr-06	N		283,000	28,800	<5	17,900	1,740,000	89.9	<5	2,580	<0.5	<2
Field Blank	17-Mar-06	FB	NA	<1000	<1000	<5	<1000	2,040	<5	<5	<0.5	<0.5	<2
	04-Apr-06	FB		<1000	<1000	<5	<1000	<1000	<5	<5	<0.5	<0.5	<2
Equipment Blank	17-Mar-06	EB	NA	<1000	<1000	<5	<1000	5,360	<5	<5	<0.5	<0.5	<2
	07-Apr-06	EB		<1000	<1000	<5	<1000	1,500	<5	<5	<0.5	<0.5	<2

Notes:

Most recent data indicated in **BOLD**

ft bgs surface
mg/L Milligrams per liter
µg/L Micrograms per liter
< Symbol indicates not detected at or above laboratory detection limit as noted
EB Equipment blank
FB Field blank
FD Field duplicate
N Normal
Dissolved Samples were field filtered with a 0.45 micron filter

Table 5
Monitoring Information
PG&E Topock
Needles, California

April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PT-1S	N	PT-01S-20060406	Jessica Ely	4/6/2006	10:45 AM	Emax	E160.1	Total Dissolved Solids	4/13/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/8/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/13/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/7/2006	Jorge Arriaga
PT-1M	N	PT-01M-20060406	Jessica Ely	4/6/2006	09:40 AM	Emax	E160.1	Total Dissolved Solids	4/13/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/8/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/13/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim

Table 5
Monitoring Information
PG&E Topock
Needles, California

April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PT-1D	N	PT-01D-20060406	Jessica Ely	4/6/2006	08:50 AM	Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/7/2006	Jorge Arriaga
						Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/8/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/13/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/7/2006	Jorge Arriaga

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Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PT-1D	FD	PT-01D-20060406D	Jessica Ely	4/6/2006	08:50 AM	Emax	E160.1	Total Dissolved Solids	4/13/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/8/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/13/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/7/2006	Jorge Arriaga
PT-2S	N	PT-02S-20060406	Jessica Ely	4/6/2006	12:25 PM	Emax	E160.1	Total Dissolved Solids	4/13/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/8/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/8/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/13/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		

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Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PT-2M	N	PT-02M-20060406	Jessica Ely	4/6/2006	11:30 AM	Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/7/2006	Jorge Arriaga
						Emax	E160.1	Total Dissolved Solids	4/13/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/8/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/13/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/7/2006	Jorge Arriaga

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Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PT-2D	N	PT-02D-20060406	Jessica Ely	4/6/2006	01:35 PM	Emax	E160.1	Total Dissolved Solids	4/13/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/8/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/13/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/7/2006	Jorge Arriaga
PT-2D	FD	PT-02D-20060406D	Jessica Ely	4/6/2006	01:35 PM	Emax	E160.1	Total Dissolved Solids	4/13/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/8/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/13/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim

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Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PT-3S	N	PT-03S-20060403	Jessica Ely	4/3/2006	02:55 PM	Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/7/2006	Jorge Arriaga
						Emax	E160.1	Total Dissolved Solids	4/6/2006	Kam Ng
						Emax	E300.0	Bromide	4/5/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/10/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/10/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/4/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/4/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/4/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/10/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/7/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/7/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/6/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/10/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/5/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/7/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/8/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/7/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/7/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/7/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/7/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/7/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/8/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/4/2006	Jorge Arriaga

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Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PT-3M	N	PT-03M-20060407	Jessica Ely	4/7/2006	09:35 AM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/9/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/14/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/8/2006	Jorge Arriaga
PT-3D	N	PT-03D-20060405	Jessica Ely	4/5/2006	02:15 PM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/7/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/7/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/7/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/7/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/12/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim

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Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PT-4S	N	PT-04S-20060406	Jessica Ely	4/6/2006	02:50 PM	Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/11/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/12/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/12/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/12/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/12/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/6/2006	Jorge Arriaga
						Emax	E160.1	Total Dissolved Solids	4/13/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/8/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/13/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/7/2006	Jorge Arriaga

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Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PT-4M	N	PT-04M-20060407	Jessica Ely	4/7/2006	08:20 AM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/9/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/14/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/8/2006	Jorge Arriaga
PT-4D	N	PT-04D-20060405	Jessica Ely	4/5/2006	11:35 AM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/7/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/7/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/7/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/7/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/12/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim

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PT-5S	N	PT-05S-20060407	Jessica Ely	4/7/2006	10:25 AM	Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/11/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/12/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/12/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/12/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/6/2006	Jorge Arriaga
						Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/9/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/14/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/8/2006	Jorge Arriaga

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Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PT-5M	N	PT-05M-20060407	Jessica Ely	4/7/2006	10:55 AM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/9/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/14/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/8/2006	Jorge Arriaga
PT-5D	N	PT-05D-20060407	Jessica Ely	4/7/2006	11:45 AM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/9/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/14/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim

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Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PT-6S	N	PT-06S-20060404	Jessica Ely	4/4/2006	08:00 AM	Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/8/2006	Jorge Arriaga
						Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/5/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/10/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/5/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/6/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/5/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/6/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/7/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/7/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/6/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/10/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/10/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/11/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/11/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/11/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/11/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/11/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/11/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/11/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/11/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/5/2006	Jorge Arriaga

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PT-6M	N	PT-06M-20060404	Jessica Ely	4/4/2006	08:40 AM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/5/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/10/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/5/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/6/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/5/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/7/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/7/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/6/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/10/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/10/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/11/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/11/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/11/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/11/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/11/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/11/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/11/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/11/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/5/2006	Jorge Arriaga
PT-6D	N	PT-06D-20060404	Jessica Ely	4/4/2006	12:40 PM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/5/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/10/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/5/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/6/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/5/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/7/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/7/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/6/2006	Jay Kim

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Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
PTI-1S	N	PTI-01S-20060405	Jessica Ely	4/5/2006	09:40 AM	Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/10/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/10/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/11/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/11/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/11/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/11/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/11/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/11/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/11/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/11/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/5/2006	Jorge Arriaga
						Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/7/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/7/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/7/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/7/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/12/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/11/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/12/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/12/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/12/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/12/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/12/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/12/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/12/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/12/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/6/2006	Jorge Arriaga

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PTI-1M	N	PTI-01M-20060404	Jessica Ely	4/4/2006	03:20 PM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/5/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/10/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/5/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/6/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/5/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/7/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/7/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/6/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/10/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/10/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/11/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/11/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/11/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/11/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/11/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/11/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/11/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/11/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/5/2006	Jorge Arriaga
PTI-1D	N	PTI-01D-20060403	Jessica Ely	4/3/2006	01:55 PM	Emax	E160.1	Total Dissolved Solids	4/6/2006	Kam Ng
						Emax	E300.0	Bromide	4/5/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/10/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/10/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/4/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/4/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/4/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/10/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/7/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/7/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/6/2006	Jay Kim

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PE-1	N	PE-01-20060405	Jessica Ely	4/5/2006	12:15 PM	Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/10/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/5/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/7/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/8/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/8/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/7/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/7/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/7/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/7/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/8/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/4/2006	Jorge Arriaga
						Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/7/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/7/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/7/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/7/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/12/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/11/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/12/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/12/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/12/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/6/2006	Jorge Arriaga

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Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
TW-2D	N	TW-02D-20060405	Jessica Ely	4/5/2006	12:20 PM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/7/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/7/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/7/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/7/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/12/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/11/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/12/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/12/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/12/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/6/2006	Jorge Arriaga
TW-3D	N	TW-03D-20060405	Jessica Ely	4/5/2006	12:25 PM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/7/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/11/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/7/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/7/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/7/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/11/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/12/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim

Table 5
Monitoring Information
PG&E Topock
Needles, California

April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
Field Blank	FB	FB-20060404	Jessica Ely	4/4/2006	02:10 PM	Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/11/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/12/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/12/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/12/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/6/2006	Jorge Arriaga
						Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/5/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/5/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/10/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/5/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/5/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/5/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/5/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/7/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/7/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/7/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/6/2006	Jay Kim
						Ozark	OHM In-House Method	Fluorescein	4/10/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/10/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/11/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/11/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/11/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/11/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/11/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/11/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/11/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/12/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/5/2006	Jorge Arriaga

Table 5
Monitoring Information
PG&E Topock
Needles, California

April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Sample Location	Sample Type	Laboratory Sample ID	Sampler Name	Sample Date	Sample Time	Laboratory	Analysis Method	Parameter	Analysis Date	Laboratory Technician
Equipment Blank	EB	EB-20060407	Jessica Ely	4/7/2006	08:30 AM	Emax	E160.1	Total Dissolved Solids	4/11/2006	Kam Ng
						Emax	E300.0	Bromide	4/8/2006	Cherry Dam
						Emax	E300.0	Chloride-cl	4/8/2006	Cherry Dam
						Severn Trent	E300.0	Iodide	4/12/2006	Kristen Sporleder
						Emax	E300.0	Nitrate-n	4/8/2006	Cherry Dam
						Emax	E300.0	Nitrite-n	4/8/2006	Cherry Dam
						Emax	E300.0	Orthophosphate-p	4/8/2006	Cherry Dam
						Emax	E300.0	Sulfate	4/8/2006	Cherry Dam
						Emax	E310.1	Alkalinity	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity bicarbonate	4/13/2006	Romy Marasigan
						Emax	E310.1	Alkalinity carbonate	4/13/2006	Romy Marasigan
						Emax	E376.1	Sulfide	4/14/2006	Kam Ng
						Emax	E415.1	Total Organic Carbon	4/13/2006	Jay Kim
						Ozark	OHM In-House Method	Fluorescein	4/13/2006	Margaret Ridinger
						Emax	SW6010B	Iron-Total	4/12/2006	Karen Hirakawa
						Emax	SW6020A	Arsenic	4/13/2006	Jon Elliot
						Emax	SW6020A	Calcium	4/13/2006	Jon Elliot
						Emax	SW6020A	Chromium	4/13/2006	Jon Elliot
						Emax	SW6020A	Iron-Dissolved	4/13/2006	Jon Elliot
						Emax	SW6020A	Magnesium	4/13/2006	Jon Elliot
						Emax	SW6020A	Manganese	4/13/2006	Jon Elliot
						Emax	SW6020A	Potassium	4/13/2006	Jon Elliot
						Emax	SW6020A	Sodium	4/13/2006	Jon Elliot
						Truesdail	SW7199	Chromium, hexavalent	4/8/2006	Jorge Arriaga

Notes:

N	Normal
EB	Equipment Blank
FB	Field Blank
FD	Field Duplicate
Emax	Emax Laboratories, Inc
Severn Trent	Severn Trent Laboratories, Inc.
Ozark	Ozark Underground Laboratory
Truesdail	Truesdail Laboratory

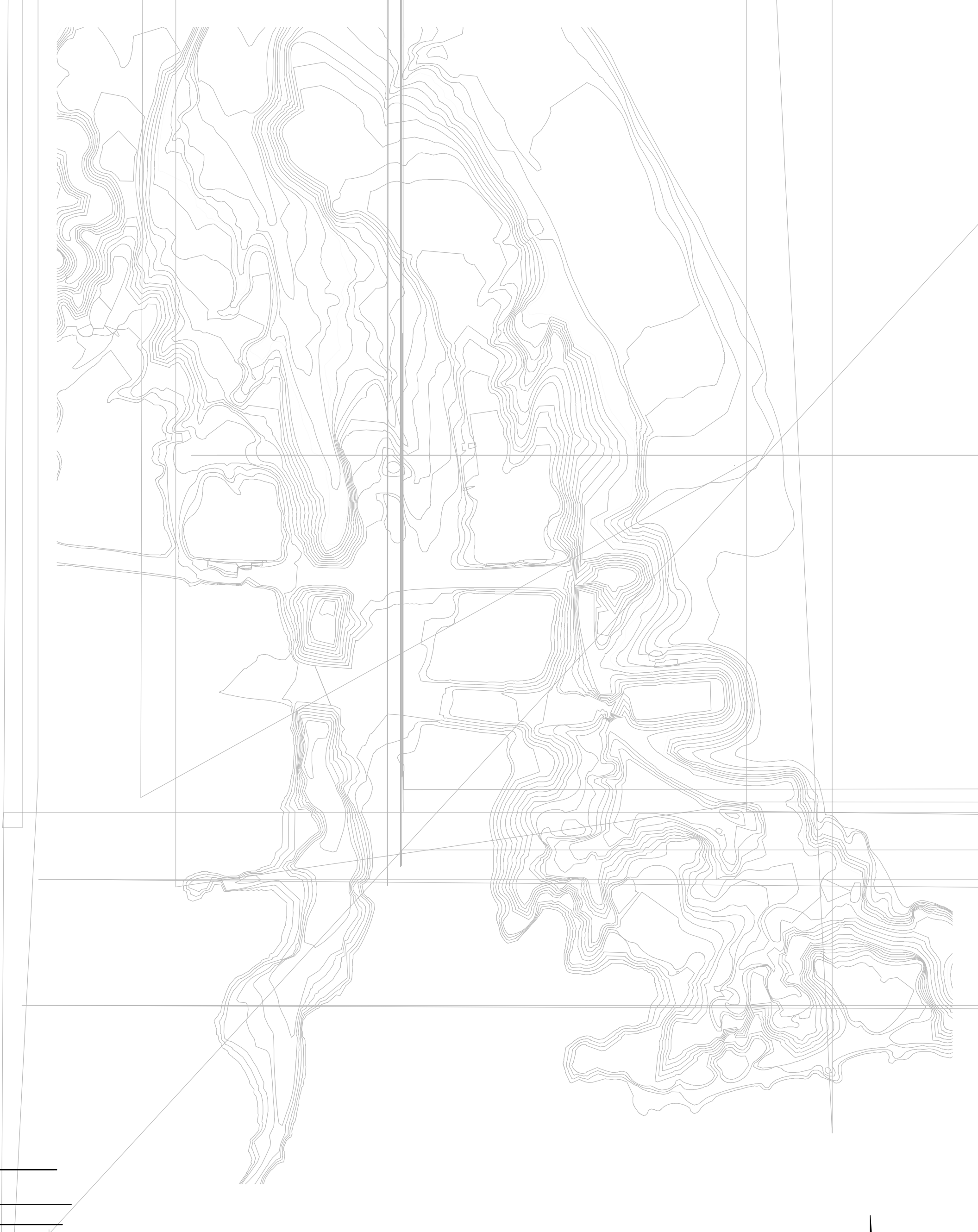
Table 6
Summary of Operational and Maintenance Interruptions
PG&E Topock
Needles, California

April 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Designation	Date of Interruption	Type of Interruption	Explanation
PT-3M	7-Apr-06	OP	Groundwater sample was not analyzed for hexavalent chromium in the onsite field laboratory because of laboratory oversight.
PT-4M	7-Apr-06	OP	Groundwater sample was not analyzed for hexavalent chromium in the onsite field laboratory because of laboratory oversight.
PT-5S	7-Apr-06	OP	Groundwater sample was not analyzed for hexavalent chromium in the onsite field laboratory because of laboratory oversight.
PT-5M	7-Apr-06	OP	Groundwater sample was not analyzed for hexavalent chromium in the onsite field laboratory because of laboratory oversight.
PT-5D	7-Apr-06	OP	Groundwater sample was not analyzed for hexavalent chromium in the onsite field laboratory because of laboratory oversight.

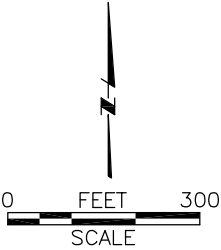
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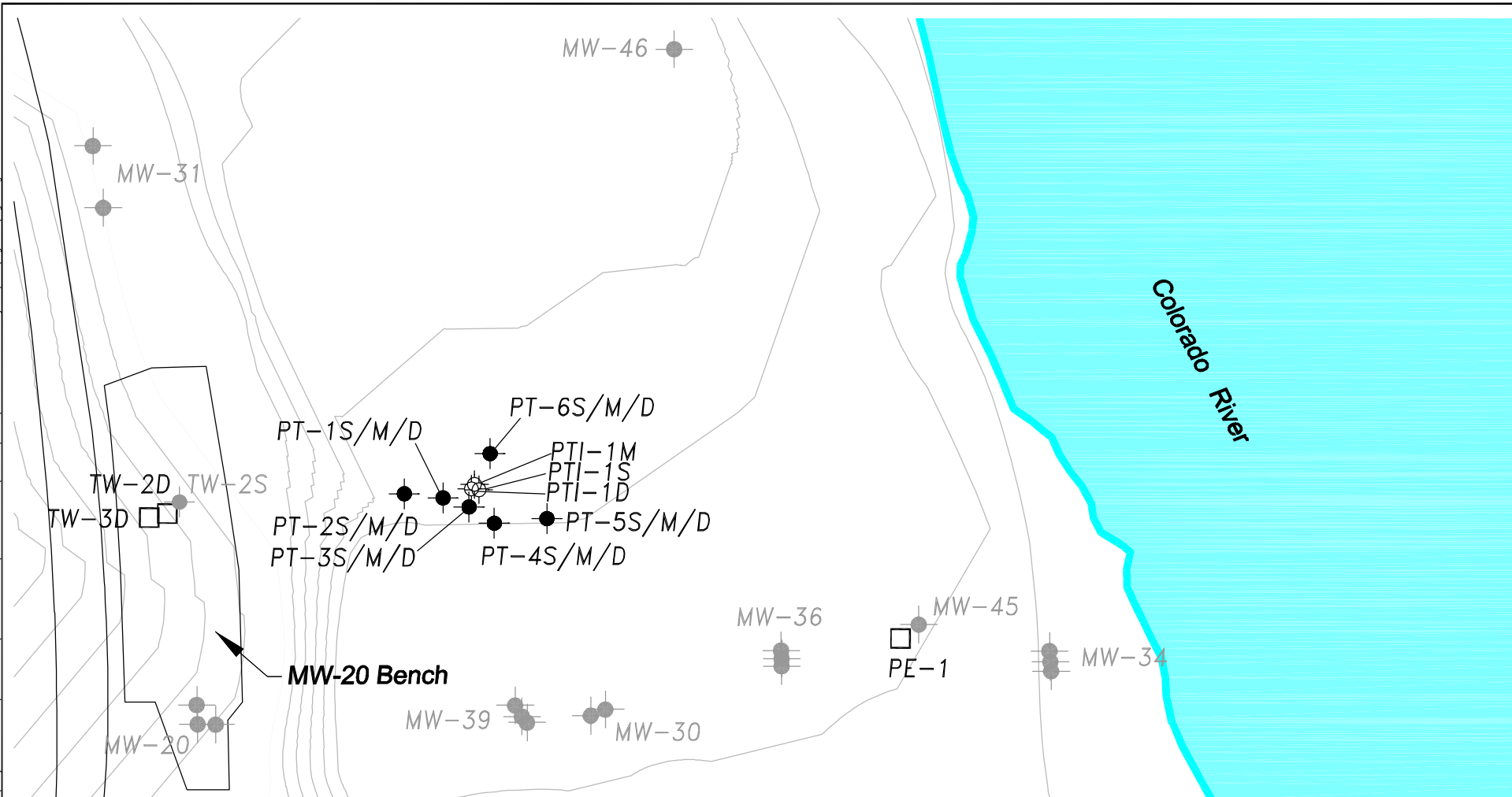
PT- Pilot test monitoring well
OP Operational Interruption



Legend

- Monitoring Well Locations
- Extraction Well Locations
- Injection Well Locations





Source: MWH Draft In-Situ Hexavalent Chromium Reduction Pilot Test Work Plan, Upland Plume Treatment, 2006.

Legend

- Monitoring Well Locations
- Extraction Well Locations
- Injection Well Locations



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SCALE

Project Director N. MORGAN-BUTCHER	Area Manager J. PETERS	 ARCADIS G&M, Inc. 1050 Marina Way South Richmond, CA 94804 Tel: 510-233-3200 Fax: 510-233-3204 www.arcadis-us.com	SAMPLE LOCATION MAP PG&E TOPOCK FACILITY NEEDLES, CALIFORNIA	Project Number RC000689.0001
Task Manager H. VOSCOTT	Technical Review			Figure 2
Drawing Date 05 APR 06	Drawn By M. CHIU			

Appendix B

Groundwater Sampling Logs

Appendix C

Analytical Reports and Chain-of-Custody Documentation