



**Pacific Gas and
Electric
Company**

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14 July 2006

Mr. Robert Perdue
Executive Officer
California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring Drive, Suite 100
Palm Desert, California 92260

Subject: Board Order R7-2006-0008
PG&E Topock Compressor Station, Needles, California
Floodplain Reductive Zone In Situ Pilot Test
June 2006 and Second Quarter Monitoring Report

Dear Mr. Perdue:

Enclosed is the Board Order R7-2006-0008 June 2006 Monitoring Report for the Pacific Gas and Electric Company (PG&E) Topock Compressor Station, floodplain reductive zone in situ pilot test. This report is being submitted in compliance with the Waste Discharge Requirements (WDRs) issued by the Colorado River Basin Regional Water Quality Control Board (Water Board) under Board Order R7-2006-0008. WDRs under Board Order R7-2006-0008 apply to the floodplain reductive zone in situ pilot test only.

This report also serves as the Second Quarter 2006 Report as required by Board Order R7-2006-0008. The sampling and analyses of the in situ pilot test that were collected during June is reported in this report. Other quarterly reporting requirements include the April 2006 Monthly Report (submitted May 15) and the May 2006 Monthly Report (submitted June 15).

If you have any questions regarding this report, please call me at (805) 546-5243.

Sincerely,

Yvonne Meeks
Topock Project Manager

Enclosures:

Board Order R7-2006-0008 June 2006 and Second Quarter 2006 Monitoring Report for
the Floodplain Reductive Zone In Situ Pilot Test.

cc:

José Cortez, Water Board

Liann Chavez, Water Board

Tom Vandenberg, Water Board

Christopher Guerre, DTSC (2 copies)

Pacific Gas and Electric Company

**June 2006 and Second Quarter
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

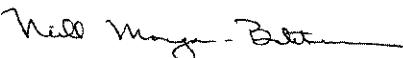
14 July 2006

ARCADIS

This report was prepared under the supervision of a California licensed Professional Engineer (PE)



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**June 2006 and Second Quarter
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

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Pacific Gas and Electric Company

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Our Ref.:
RC000689.0001.00007

Date:
14 July 2006

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of the individual or entity for which it was
prepared and may contain information that
is privileged, confidential, and exempt from
disclosure under applicable law.*

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(on Compact Disc)

ARCADIS

EMAX	EMAX Laboratories, Inc.
ISPT	In-Situ Pilot Test
MRP	Monitoring and Reporting Program
Ozark	Ozark Underground Laboratory
PG&E	Pacific Gas and Electric Company
RWQCB	California Regional Water Quality Control Board, Colorado River Basin Region
SAFPM	<i>Sampling, Analysis, and Field Procedures Manual, PG&E Topock Program, Revision 1</i>
STL	Severn Trent Laboratories, Inc.
TOC	Total Organic Carbon
Truesdail	Truesdail Laboratories
USEPA	United States Environmental Protection Agency
Work Plan	<i>In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement</i>
Work Plan Addendum	<i>Final Addendum to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement</i>
Work Plan Addendum 2	<i>Addendum 2 to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement</i>

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 each well 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 6-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 June 2006. This report also serves as the second quarter 2006 (April through June) report as required by the MRP.

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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: *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 Plan, Floodplain Reductive Zone Enhancement* (Work Plan Addendum 2), dated April 14, 2006. During June 2006, ARCADIS completed the last weekly and first monthly sampling events of the floodplain ISPT (Week 3 and Month 1 events, respectively). Associated field activities were performed in accordance with these documents and the applicable procedures contained within the *Sampling, Analysis, and Field Procedures Manual, PG&E Topock Program, Revision 1* (SAFPM).

Activities, including injection activities, baseline, daily, weekly, and monthly sampling events, were completed during the second quarter reporting period. The injection activities, baseline, daily, and weeks 1 and 2 sampling events were discussed in previous monthly reports, dated May 15 and June 15, 2006.

Week 3 post-injection sampling was performed from May 30 through June 1, 2006. Month 1 post-injection sampling was performed from June 5 through June 8, 2006. The post-injection groundwater sampling events were performed in accordance to the Work Plan and the Work Plan Addenda 1 and 2. In addition to the required wells, extraction well PE-1 was sampled during the Week 3 event to track potential tracer or total organic carbon (TOC) movement.

Groundwater samples 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). Samples were collected, labeled and packaged according to the SAFPM.

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Tables 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.

In addition to the required sampling under the groundwater monitoring program, pressure transducers were deployed in monitoring wells PT-2S/D, PT-5S/D and PT-6S/D from April 7 through May 2, 2006, to monitor groundwater levels across the area of the floodplain ISPT prior to the start of injections. Data from April 7 through 13, 2006 were combined with data from the Interim Measures performance monitoring for this period to produce figures depicting average groundwater elevations for the shallow and deep portions of the aquifer in the floodplain area (Appendix C).

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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, the depth to water was recorded for each well. This data was used to evaluate the volume of standing water in the well. The monitoring wells were purged using an Enviro-Tech ES-60 Whaler pump or a WaTerra® purge pump with dedicated polyethylene tubing. Purging continued until three casing volumes had been removed. The field parameters, such as pH, specific conductance, temperature, color, odor, and depth to water, were recorded (Table 2). After completion of purging, the groundwater samples were collected into the appropriate containers. Extraction well (PE-1) samples were collected from a dedicated sampling port. Water was purged from the sample port prior to sampling the extraction well, to remove any stagnant water from the port.

The samples were stored in coolers at 4 degrees Celsius and transported to Truesdail, EMAX, STL, and Ozark via a courier service under chain-of-custody 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 of Pollutants" (40 CFR Part 136), or equivalent methods promulgated by the USEPA.

Post-injection sampling 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 on compact disc in Appendix D.

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5. Analytical Results

Laboratory reports prepared by the certified analytical laboratories are presented on compact disc in Appendix D. Summaries of tracer test parameters, primary baseline parameters, and secondary baseline parameters are presented in Tables 2, 3, and 4, respectively.

The analytical results of post-injection sampling indicate that the injected tracers and TOC arrived at the PT-1 and PT-3 monitoring well nests within the first 3 days following the injections on May 3 through 6 (Table 3). The arrival of the tracers is indicative of the injection solution distribution. Indications of reducing conditions and hexavalent chromium reduction have been noted in PTI-1D, PT-1D, and PT-2D; however, more data is needed to evaluate temporal trends. Data trends will be assessed as 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

One sample collected for hexavalent chromium analysis at an off-site laboratory was analyzed outside the USEPA-recommended 24-hour holding time (Table 6); however,

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because the sample holding time exceedance is minor, no significant loss of target analyte is expected and the result is considered usable for assessing groundwater concentrations for the purposes of the pilot test. ARCADIS and Truesdail have taken measures to lessen the chances of hold time exceedances. Table 6 presents operational and maintenance issues and interruptions to remedial systems during the reporting period.

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6. Conclusions

This report summarizes the results of the month of June 2006 and the second quarter 2006. Indications of reducing conditions and hexavalent chromium reduction have been noted at PTI-1D, PT-2D, and PT-1D; however, more data is needed to evaluate temporal trends. Data trends will be evaluated as more data become available.

There were no incidents of non-compliance with respect to Order No. R7-2006-0008. One incident of a field variance occurred during this period (Section 5). This variance is not expected to affect the interpretation of the ISPT data.

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7. Certification

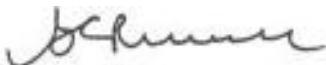
PG&E submitted a signature delegation letter to the RWQCB on July 5, 2006. The letter delegated PG&E's signature authority to Mr. Curt Russell and Ms. Yvonne Meeks.

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.

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Signature:



Name: Curt Russell

Company: PG&E

Title: Project Manager

Date: July 14, 2006

Table 1
Boring and Well Construction Detail Summary
PG&E Topock
Needles, California

June 2006 and Second Quarter 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Well or Boring Designation	Date Completed	Aquifer Zone	Ground Elevation*	TOC Elevation**	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	34° 43' 10.3"	114° 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	34° 43' 10.3"	114° 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	34° 43' 10.3"	114° 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	34° 43' 10.3"	114° 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	34° 43' 10.3 "	114° 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	34° 43' 10.3"	114° 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	34° 43' 10.2"	114° 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	34° 43' 10.2"	114° 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	34° 43' 10.2"	114° 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	34° 43' 10.1"	114° 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	34° 43' 10.1"	114° 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	34° 43' 10.1"	114° 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	34° 43' 10.1"	114° 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	34° 43' 10.2"	114° 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	34° 43' 10.2"	114° 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	34° 43' 10.6"	114° 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	34° 43' 10.6"	114° 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	34° 43' 10.6"	114° 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	34° 43' 10.4"	114° 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	34° 43' 10.4"	114° 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	34° 43' 10.4"	114° 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	34° 43' 10.3"	114° 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	34° 43' 10.2"	114° 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	34° 43' 9.3"	114° 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	Sample Type	ORP (mV)	pH	Specific Conductance ($\mu\text{S}/\text{cm}$)	Temperature (C°)	Hexavalent Chromium Field ($\mu\text{g}/\text{L}$)
PT-1S	17-Mar-06	N	35-45	-150.7	7.05	6,565	26.62	<10
	06-Apr-06	N		-173	7.06	6,892	26.92	<10
	04-May-06	N		-100.6	8.06	8,889	25.64	<10
	05-May-06	N		-107.2	7.55	7,457	26.82	<10
	06-May-06	N		-88.4	7.09	7,318	26.45	<10
	07-May-06	N		-98.6	7.31	7,097	26.59	<10
	08-May-06	N		-82.7	7.35	6,976	26.65	<10
	09-May-06	N		-30.7	7.12	7,550	26.63	<10
	10-May-06	N		-102.2	7.15	6,735	26.72	<10
	11-May-06	N		-97.7	7.22	6,369	26.72	<10
	12-May-06	N		-73	7.08	6,594	26.72	<10
	13-May-06	N		-47.2	7.18	5,961	26.61	---
	23-May-06	N		14.1	7.34	5,830	27.01	<10
	01-Jun-06	N		567.9	7.03	3,636	26.54	<10
PT-1M	06-Jun-06	N		-173.5	7.39	6,546	26.88	<10
	17-Mar-06	N	60-70	-211	7.46	7,000	26.21	<10
	06-Apr-06	N		-211.1	9	7,506	26.54	<10
	04-May-06	N		-88.7	8.45	6,824	25.1	<10
	06-May-06	N		-93.1	7.48	7,221	25.8	---
	07-May-06	N		-98.2	7.62	7,202	26.1	38
	08-May-06	N		-77.6	7.07	4,593	26.16	42
	09-May-06	N		-19.6	7.62	7,273	26.23	<10
	10-May-06	N		-118.8	7.69	6,657	26.55	15
	11-May-06	N		-92.1	7.61	6,539	26.29	11
	12-May-06	N		-77.3	7.54	6,877	26.3	<10
	13-May-06	N		-39.2	7.47	5,933	26.26	---
	24-May-06	N		-16.2	7.67	5,837	26.24	<10
	31-May-06	N		-59.6	7.36	4,549	27.59	<10
	06-Jun-06	N		-176.9	7.62	7,071	26.27	<10

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

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Location Name	Sample Date	Sample Type	Sample Type	ORP (mV)	pH	Specific Conductance ($\mu\text{S}/\text{cm}$)	Temperature (C°)	Hexavalent Chromium Field ($\mu\text{g}/\text{L}$)
PT-1D	17-Mar-06	N	95-105	-129.5	7.36	13,149	26.06	1900
	06-Apr-06	N		112	6.66	14,027	26	3,040
	05-May-06	N		47.6	7.86	12,918	26.03	---
	06-May-06	N		69.3	7.36	14,048	26.18	4,660
	07-May-06	N		79.3	7.62	13,536	26.07	3,680
	08-May-06	N		85.6	7.71	12,334	26.14	4,980
	09-May-06	N		-145.2	7.59	12,058	26.18	2,960
	10-May-06	N		5.7	7.54	11,794	26.19	2,840
	11-May-06	N		-7.1	7.71	10,586	26.1	1,740
	12-May-06	N		-6	7.56	10,653	26.5	2,260
	13-May-06	N		41.9	7.6	9,215	25.9	---
	24-May-06	N		90.2	6.6	10,570	26.25	1,420
	31-May-06	N		358.1	5.89	5,935	29.21	980
	05-Jun-06	N		403.4	8.41	10,776	27.13	840
PT-2S	17-Mar-06	N	35-45	-204	7.27	6,273	26.87	<10
	06-Apr-06	N		-175.9	6.14	6,867	26.79	<10
	24-May-06	N		-6.5	7.57	5,405	27.13	<10
	01-Jun-06	N		-88.7	7.25	6,678	26.74	10
	07-Jun-06	N		-168.6	7.57	6,268	26.37	<10
PT-2M	17-Mar-06	N		-170.9	7.29	7,304	26.3	<10
	06-Apr-06	N		-173.8	8.01	7,752	26.9	<10
	24-May-06	N		44.3	7.61	5,902	2,647	<10
	31-May-06	N		-65	7.14	7,271	25.94	<10
	07-Jun-06	N		-99.7	7.62	6,825	26.71	<10
PT-2D	17-Mar-06	N	95-105	-100.5	7.21	12,626	26.17	1600
	06-Apr-06	N		-71.3	7.04	13,924	26.03	2,300
	24-May-06	N		180.9	7.39	9,229	26.45	1,640
	31-May-06	N		-51.2	7.39	11,157	25.95	1,160
	07-Jun-06	N		403.3	7.61	10,386	26.21	840

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

June 2006 and Second Quarter 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Sample Type	ORP (mV)	pH	Specific Conductance ($\mu\text{S}/\text{cm}$)	Temperature (C°)	Hexavalent Chromium Field ($\mu\text{g}/\text{L}$)
PT-3S	16-Mar-06	N	35-45	-218.9	7.14	6,353	26.67	<10
	03-Apr-06	N		-238.1	7.38	6,846	26.68	<10
	04-May-06	N		-119.3	8.1	6,380	27.1	<10
	05-May-06	N		-130.6	7.44	6,690	26.46	<10
	06-May-06	N		-130.7	7.1	6,363	26.6	<10
	07-May-06	N		-115.2	7.25	6,846	26.56	<10
	09-May-06	N		-43.9	7.27	6,976	26.55	<10
	10-May-06	N		-135.7	7.35	6,419	26.81	11
	11-May-06	N		-20.1	7.39	6,218	26.77	<10
	12-May-06	N		-92.7	7.14	6,169	26.69	<10
	13-May-06	N		-90.5	7.28	6,358	26.7	---
	23-May-06	N		1.37	7.13	5,944	26.82	<10
	30-May-06	N		-162.7	12.28	5,971	27.5	13
PT-3M	06-Jun-06	N		-177.7	7.57	5,295	26.72	12
	18-Mar-06	N	60-70	-249.1	7.96	7,232	26.19	<10
	07-Apr-06	N		-218.3	7.33	8,041	26.06	---
	04-May-06	N		-101.8	8.68	7,193	24.31	---
	05-May-06	N		-106	7.99	7,665	26.05	<10
	06-May-06	N		-96.6	7.53	7,613	25.83	<10
	07-May-06	N		-82	7.64	7,681	26.23	<10
	09-May-06	N		-8.4	7.58	7,718	25.98	<10
	10-May-06	N		-103	7.61	7,176	26.41	14
	11-May-06	N		-86.4	7.7	6,879	26.32	<10
	12-May-06	N		-71.8	7.54	6,927	26.27	13
	13-May-06	N		6.9	7.49	7,130	26.12	---
	23-May-06	N		42.8	7.38	7,475	26.13	<10
	30-May-06	N		-70.3	12.31	7,977	26.69	16
	06-Jun-06	N		-112.8	7.68	7,026	25.75	<10

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

June 2006 and Second Quarter 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Sample Type	ORP (mV)	pH	Specific Conductance ($\mu\text{S}/\text{cm}$)	Temperature (C°)	Hexavalent Chromium Field ($\mu\text{g}/\text{L}$)
PT-3D	18-Mar-06	N	95-105	-54.4	7.38	13,782	25.98	4620
	05-Apr-06	N		51.8	7.51	14,347	26.71	7760
	05-May-06	N		66.7	7.87	13,263	25.96	3,140
	06-May-06	N		71.7	7.54	11,437	26.03	3,440
	07-May-06	N		76.8	7.81	9,027	26.14	4,200
	09-May-06	N		168.5	7.62	12,715	26.08	3,960
	10-May-06	N		2.6	6.66	10,771	26.33	3,960
	11-May-06	N		-11.9	7.86	11,767	26.28	3,780
	12-May-06	N		-6.1	7.65	12,290	26.18	3,720
	13-May-06	N		144.5	7.72	12,139	26.33	---
	23-May-06	N		129.1	7.31	13,111	27.37	3,900
	30-May-06	N		30.7	12.4	13,907	27.29	3,800
	06-Jun-06	N		12.6	7.71	12,310	25.82	3,380
PT-4S	15-Mar-06	N	35-45	-257	7.32	7,072	26.16	<10
	06-Apr-06	N		-159.9	7.8	7,783	26.11	<10
	04-May-06	N		-117	8.33	6,585	25.39	<10
	05-May-06	N		-126.6	7.7	7,325	25.82	<10
	09-May-06	N		-93.5	7.21	7,752	25.75	<10
	10-May-06	N		-119.8	7.41	4,939	26.33	<10
	11-May-06	N		6.2	7.62	7,180	27.26	<10
	12-May-06	N		-71.2	7.35	6,997	26.08	14
	13-May-06	N		-68.7	7.6	7,305	26.09	---
	23-May-06	N		20.4	7.53	6,411	27.13	<10
	30-May-06	N		-121.7	7.1	7,504	25.93	<10
	06-Jun-06	N		-230.2	7.78	7,377	27.56	<10
PT-4M	15-Mar-06	N	60-70	-246.1	7.9	6,784	25.99	<10
	07-Apr-06	N		-210.5	7.48	7,566	26.28	---
	04-May-06	N		-119.6	8.74	7,031	24.95	<10
	08-May-06	N		-113.4	7.97	7,384	26.14	11
	09-May-06	N		-58.9	7.74	7,588	25.84	<10
	10-May-06	N		-134	7.73	7,022	26.24	<10
	11-May-06	N		-115.2	7.92	6,991	26.21	<10
	12-May-06	N		-95.1	7.73	7,084	25.79	<10
	13-May-06	N		-68.6	7.85	6,265	25.93	---
	23-May-06	N		25.9	7.81	6,267	26.82	<10
	30-May-06	N		-113.1	7.48	7,467	25.61	11
	06-Jun-06	N		-211.3	7.89	7,258	26.68	<10

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

June 2006 and Second Quarter 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Sample Type	ORP (mV)	pH	Specific Conductance ($\mu\text{S}/\text{cm}$)	Temperature (C°)	Hexavalent Chromium Field ($\mu\text{g}/\text{L}$)
PT-4D	15-Mar-06	N	95-105	-98.4	7.4	15,180	26.02	5800
	05-Apr-06	N		-30	7.58	162,310	26.61	5840
	08-May-06	N		62.7	7.93	14,947	26.1	5,920
	09-May-06	N		48.3	7.45	14,719	25.92	6,520
	10-May-06	N		42.1	7.68	14,351	26.14	6,160
	11-May-06	N		-10.2	7.84	13,923	26.15	5,920
	12-May-06	N		-4.5	7.72	14,580	25.97	7,480
	13-May-06	N		28.1	7.69	12,744	26	---
	23-May-06	N		50	7.91	13,640	31.2	4,840
	30-May-06	N		-81.3	7.43	15,116	25.97	5,800
	06-Jun-06	N		-174.3	7.81	15,010	26.65	4,780
PT-5S	16-Mar-06	N	35-45	-204.9	7.33	7,714	25.81	<10
	07-Apr-06	N		-177.3	7	8,640	25.75	---
	01-Jun-06	N		-88.9	7.17	8,682	25.46	<10
PT-5M	16-Mar-06	N	60-70	-184.6	7.29	6,989	25.48	<10
	07-Apr-06	N		-183.5	6.97	8,609	25.8	---
	01-Jun-06	N		-49.9	7.05	6,191	24.82	<10
PT-5D	16-Mar-06	N	95-105	-191.1	7.71	8,304	25.85	6200
	07-Apr-06	N		-181.1	7.05	8,561	25.78	---
	12-May-06	N		-1.2	7.7	13,620	26.62	5,240
	01-Jun-06	N		-45.5	7.47	14,037	25.5	3,660
PT-6S	18-Mar-06	N	35-45	-91.7	6.99	10,053	25.49	<10
	04-Apr-06	N		-187.9	7.22	10,379	26.56	<10
	13-May-06	N		-48.4	7.31	7,353	26.62	---
	22-May-06	N		-14	7.21	7,476	26.59	<10
	01-Jun-06	N		556.8	6.52	4,423	27.56	<10
	06-Jun-06	N		-164.1	7.65	8,564	26.25	14
PT-6M	16-Mar-06	N	60-70	-120.1	7.25	7,221	26.13	<10
	04-Apr-06	N		-114.1	7.45	7,761	26.18	<10
	13-May-06	N		22.6	7.46	6,212	26.22	---
	23-May-06	N		85.6	7.57	5,988	26.51	<10
	01-Jun-06	N		675.3	6.84	3,952	27.04	<10
	06-Jun-06	N		-197.1	7.98	6,832	2,610	<10

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

June 2006 and Second Quarter 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Sample Type	ORP (mV)	pH	Specific Conductance ($\mu\text{S}/\text{cm}$)	Temperature (C°)	Hexavalent Chromium Field ($\mu\text{g}/\text{L}$)
PT-6D	16-Mar-06	N	95-105	-118.9	7.73	13,489	25.9	3380
	04-Apr-06	N		-91.1	7.72	12,784	26.95	2,580
	13-May-06	N		28.7	7.77	9,829	25.87	---
	22-May-06	N		79.4	7.9	9,631	26.37	2,040
	01-Jun-06	N		692.8	7.08	6,017	26.42	1,360
	06-Jun-06	N		-170.6	8	10,470	25.84	1,000
PTI-1S	15-Mar-06	N	35-45	-203.1	7.1	6,390	26.83	<10
	05-Apr-06	N		-184	7.28	6,964	27.06	<10
	06-May-06	N		---	---	---	---	620
	07-May-06	N		-137.8	6.73	4,936	33.59	600
	09-May-06	N		-54.8	6.57	5,627	32.39	---
	10-May-06	N		-155.1	6.29	5,313	25.6	290
	11-May-06	N		-156.5	6.27	5,326	28.93	20
	12-May-06	N		-71.9	6.8	4,457	28.07	70
	13-May-06	N		-132.8	6.58	4,582	28.42	---
	23-May-06	N		-21.3	6.66	4,262	27.04	<10
	31-May-06	N		-146	6.93	4,313	28.09	28
	05-Jun-06	N		-240.5	7.88	4,144	27.51	<10
PTI-1M	15-Mar-06	N	60-70	-220.1	7.38	7,338	26.17	14
	04-Apr-06	N		-173.8	7.71	7,919	27.06	<10
	06-May-06	N		-6.8	6.82	6,623	29.31	74
	07-May-06	N		-17.2	7.08	6,244	28.96	55
	09-May-06	N		-2.3	7.22	7,559	28.03	430
	10-May-06	N		57	7.26	6,179	29.4	28
	11-May-06	N		-149.5	7.02	7,325	27.56	27
	12-May-06	N		-72.4	7.52	6,066	27.05	29
	13-May-06	N		-229	7.45	6,745	27.13	---
	23-May-06	N		-231.7	6.66	6,204	27.57	11
	31-May-06	N		-120.2	7.2	6,824	26.76	57
	05-Jun-06	N		-254	8.13	7,092	26.94	<10

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

June 2006 and Second Quarter 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Sample Type	ORP (mV)	pH	Specific Conductance ($\mu\text{S}/\text{cm}$)	Temperature (C°)	Hexavalent Chromium Field ($\mu\text{g}/\text{L}$)
PTI-1D	15-Mar-06	N	95-105	-89.9	7.37	13,018	26.04	1780
	03-Apr-06	N		-87	7.68	13,811	26.07	3,520
	07-May-06	N		43.5	6.99	6,659	27.75	61
	09-May-06	N		124.5	7.25	6,880	29.05	870
	10-May-06	N		181	7.68	13,066	29.78	3,320
	11-May-06	N		159.9	8.13	11,442	27.48	1,140
	12-May-06	N		47.8	6.43	4,888	28.17	122
	13-May-06	N		-6.4	7.35	6,626	26.74	---
	22-May-06	N		154.7	8.08	15,136	27.57	980
	31-May-06	N		-198.3	7.92	12,156	26.32	1,160
	05-Jun-06	N		-210.4	8.51	11,989	28.74	920
PE-1	17-Mar-06	N	79-89	---	---	---	---	115
	05-Apr-06	N		---	---	---	---	144
	01-Jun-06	N		---	---	---	---	116
TW-2D	17-Mar-06	N	113-148	---	---	---	---	1620
	05-Apr-06	N		---	---	---	---	1620
TW-3D	17-Mar-06	N	111-156	---	---	---	---	3660
	05-Apr-06	N		---	---	---	---	3460
INJ_SOLUTION_01	05-May-06	N	NA	---	---	---	---	<10
INJ_SOLUTION_03	06-May-06	N	NA	---	---	---	---	174

Notes:

Most recent data indicated in **BOLD**

ft bgs	Feet below ground surface
mV	Millivolts
$\mu\text{S}/\text{cm}$	Microsiemens per centimeter
C°	Degrees Celsius
$\mu\text{g}/\text{L}$	Micrograms per liter
ORP	Oxidation Reduction Potential
<	Symbol indicates not detected at or above the estimated reporting limit as noted.
N	Normal
ND	Not Detected
NA	Not applicable
---	Not available/Not analyzed

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

June 2006 and Second Quarter 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 (mg/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 (mg/L)
PT-1S	17-Mar-06	N	35-45	<1	1.3	<1	<.5	ND	<.5	<.1	3,050	1,930	1,320	198	2.98
	06-Apr-06	N		<0.2	<1	<1	<.5	ND	<.5	<.5	1,910	1,860	779	181	3.04
	04-May-06	N		<1	---	<1	<1	ND	---	---	---	---	---	---	---
	05-May-06	N		<1	---	<1	<1	ND	---	---	---	---	---	---	---
	06-May-06	N		<0.2	<1	<1	<.5	ND	<.5	<.1	5,560	2,960	947	90.1	6.66
	07-May-06	N		<1	---	<1	<1	ND	---	---	---	---	---	---	---
	08-May-06	N		<0.2	---	<1	<1	ND	---	---	---	---	---	---	---
	09-May-06	N		<1	<1	<1	0.846	ND	<.5	<.1	2,360	4,770	1,070	144	4.16
	10-May-06	N		<1	---	<1	<2.5	ND	---	---	---	---	---	---	---
	11-May-06	N		<1	---	<1	<2.5	ND	---	---	---	---	---	---	---
	12-May-06	N		<1 J/HD	---	<1	<1	ND	---	---	---	---	---	---	---
	13-May-06	N		<1 J/HD	4.48	<1	<1	ND	<1	<.2	3,900	3,220	800	122	4.58
	23-May-06	N		<1	<1	<1	<.5	ND	<.5	<.5	117,000	826	790	157	4.53
PT-1M	01-Jun-06	N		<1	<1	<1	<.5	ND	<.5	<.1	89,600	2,570	911	126	5.11
	06-Jun-06	N		<1	<1	<1	<.5	ND	<.5	<.5	43,400	3,020	857	125	5.77
PT-1M	17-Mar-06	N	60-70	<1	<1	<1	<.5	ND	<.5	<.1	<500	<500	1,330	411	1.14
	06-Apr-06	N		<1	1	<1	<.5	ND	<.5	<.5	591	557	1,350	446	1.1
	04-May-06	N		<1	---	<1	<.5	ND	---	---	---	---	---	---	---
	06-May-06	N		<1	<1	<1	258	0.452	<.5	<.1	554	535	1,230	397	27.9
	07-May-06	N		<1	---	<1	390	0.466	---	---	---	---	---	---	---
	08-May-06	N		<1	---	<1	377	0.429	---	---	---	---	---	---	---
	09-May-06	N		<1	<1	<1	341	0.232	<.5	<.1	543	550	2,430	391	25.4
	10-May-06	N		<1	---	<1	296	0.458	---	---	---	---	---	---	---
	11-May-06	N		<1	---	<1	273	0.433	---	---	---	---	---	---	---
	12-May-06	N		<1 J/HD	---	<1	245	0.423	---	---	---	---	---	---	---
	13-May-06	N		<1 J/HD	3.69	<1	216	0.354	<.5	<.1	696	668	4,390	451	5.39
	24-May-06	N		<1	10.8	<1	96	0.160	<.5	<.5	673	6,900	3,560	425	2.02
	31-May-06	N		<1	3.29	<1	48.9	0.101	<.5	<.5	7,360	577	3,950	430	2.4
	06-Jun-06	N		<1	<1	<1	36.7	0.083	<.5	<.5	5,230	637	3,450	501	1.82

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 (mg/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 (mg/L)
PT-1D	17-Mar-06	N	95-105	2,470	2,270	<1	0.581	ND	1.84	<.5	<500	<500	88.2	943	1.07
	17-Mar-06	FD		2,460	2,230	<1	<.5	ND	1.84	<.5	<500	<500	85.7	941	1.18
	06-Apr-06	N		3,080	2,770	5.45	<.5	ND	2.27	<.5	<500	<500	51	978	1.09
	06-Apr-06	FD		2,960	2,690	6.15	<.5	ND	2.26	<.5	<500	<500	54.8	963	1.1
	06-May-06	N		4,140	4,350	<1	<.5	ND	2.64	<.1	<500	<500	26.7	930	1.24
	07-May-06	N		3,560	---	50.9	<1	ND	---	---	---	---	---	---	---
	08-May-06	N		3,190	---	252	1.26	ND	---	---	---	---	---	---	---
	09-May-06	N		2,870	2,780	441	2.63	0.023	1.18	<.2	<500	<500	48.9	846	37.5
	10-May-06	N		2,670	---	464	2.92	0.029	---	---	---	---	---	---	---
	11-May-06	N		2,660	---	528	2.87	0.016	---	---	---	---	---	---	---
	12-May-06	N		2,520	---	578	3.01	0.022	---	---	---	---	---	---	---
	13-May-06	N	2,380 J/HD	2,390	613	3	0.016	<1	<.2	<500	<500	60.1	529	58.4	
	24-May-06	N		1,320	1,330	488	2.61	0.164	<.5	<.5	<500	<500	507	653	30.7
31-May-06	N	970	896	373	1.86	ND	<.5	<.5	<500	<500	992	665	16		
	N	931	859	371	1.71	ND	<.5	<.5	<500	<500	1,270	730	10.1		
PT-2S	17-Mar-06	N	35-45	<1	<1	<1	0.563	ND	<.5	<.1	34,300	976	1,170	11.7	7.42
	06-Apr-06	N		<0.2	<1	<1	<.5	ND	<.5	<.5	30,200	1,850	1,240	8.91	8.57
	24-May-06	N		<1	<1	<1	<.5	ND	<.5	<.5	164,000	<500	1,160	3.02	11
	01-Jun-06	N		<1	<1	<1	<.5	ND	<.5	<.1	91,900	934	1,300	3.06	9.65
	07-Jun-06	N		1	<1	<1	<.5	ND	<.5	<.5	42,300	950	1,280	2.77	10.8
PT-2M	17-Mar-06	N	60-70	<1	8.19	<1	<.5	ND	<.5	<.5	<500	<500	547	474	<1
	06-Apr-06	N		<0.2	7.58	<1	<.5	ND	<.5	<.1	<500	<500	380	471	<1
	24-May-06	N		<1	<1	<1	40	0.114	<.5	<.5	20,000	<500	431	423	1.76
	31-May-06	N		<1	<1	<1	12.1	0.033	<.5	<.5	3,430	<500	363	438	2.21
	31-May-06	FD		<1	<1	<1	12	0.038	<.5	<.5	4,150	<500	371	429	2.28
	07-Jun-06	N		1	<1	<1	5.29	0.024	<.5	<.5	1,220	<500	353	487	1.85

Table 3
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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Hexavalent Chromium (µg/L)	Dissolved Chromium (µg/L)	Iodide (mg/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 (mg/L)
PT-2D	17-Mar-06	N	95-105	1,660	1,580	<1	<.5	ND	1.23	<.5	<500	<500	154	931	1.09
	17-Mar-06	FD		1,670	1,570	<1	<.5	ND	1.26	<.5	<500	<500	161	924	1.24
	06-Apr-06	N		2,310	2,160	4.44	<.5	ND	1.68	<.5	<500	<500	79.7	924	1.02
	06-Apr-06	FD		2,290	2,170	4.1	<.5	ND	1.84	<.5	<500	<500	78.3	946	<1
	24-May-06	N		1,800	1,760	374	2.11	ND	<.5	<.5	507	<500	173	691	26.9
	31-May-06	N		1,180	1,170	388	1.85	ND	<.5	<.5	1,400	<500	320	689	17.6
	07-Jun-06	N		951	930	390	1.99	ND	<.5	<.5	<500	<500	423	724	14.4
PT-3S	16-Mar-06	N	35-45	<1	40.3	<1	<.5	ND	<.5	<.1	6,370	4,860	1,160	217	4.27
	03-Apr-06	N		<1	1.48	<1	<.5	ND	<.5	<.5	5,510	4,990	988	221	4.66
	04-May-06	N		<0.2	---	<1	<1	ND	---	---	---	---	---	---	---
	05-May-06	N		<0.2	---	<1	<1	ND	---	---	---	---	---	---	---
	06-May-06	N		<1	1.46	<1	<.5	ND	<.5	<.1	7,370	5,660	968	80.2	5.05
	06-May-06	FD		<1	1.01	<1	<.5	ND	<.5	<.1	6,500	5,820	950	80.4	5.26
	07-May-06	N		<0.2	---	<1	<1	ND	---	---	---	---	---	---	---
	09-May-06	N	<0.2 J/HD	1.54	<1	<1	9.61	<1	<.2	7,850	6,280	973	112	5.83	
	10-May-06	N		<1	---	<1	19	34.4	---	---	---	---	---	---	---
	11-May-06	N		<1	---	<1	1.07	5.49	---	---	---	---	---	---	---
	12-May-06	N		<0.2	---	<1	64.6	42.3	---	---	---	---	---	---	---
	13-May-06	N	<1 J/HD	2.38	<1	93.7	56.0	<1	<.2	6,710	5,890	872	112	14.6	
	23-May-06	N		<1	<1	<1	68.1	1,060	<1	<.5	130,000	1,750	830	30.5	49.9
	30-May-06	N		<1	1.36	<1	470	1,510	<2.5	<.5	27,600	695	762	24.4	93.5
	06-Jun-06	N		<1	<1	<1	749	1,220	<2.5	<.5	21,900	3,220	750	23.2	119

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Hexavalent Chromium (µg/L)	Dissolved Chromium (µg/L)	Iodide (mg/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 (mg/L)
PT-3M	18-Mar-06	N	60-70	<1	<1	<1	<.5	ND	<.5	<.5	<500	<500	1,670	571	1.33
	07-Apr-06	N		<1	<1	<1	<.5	ND	<.5	<.5	<500	<500	2,020	672	1.01
	04-May-06	N		<1	---	<1	<.5	ND	---	---	---	---	---	---	---
	05-May-06	N		<1	---	<1	<.5	ND	---	---	---	---	---	---	---
	06-May-06	N		<1 J/FD	<1	<1	<.5	ND	<.5	<.1	508	<500	1,720	597	1.11
	07-May-06	N		<1	---	<1	2.32	0.025	---	---	---	---	---	---	---
	09-May-06	N		<0.2 J/HD	<1	<1	28.8	0.075	<.5	<.1	518	<500	1,350	559	2.94
	10-May-06	N		<1	---	<1	60.2	0.148	---	---	---	---	---	---	---
	11-May-06	N		<1	---	<1	75.8	0.2	---	---	---	---	---	---	---
	12-May-06	N		<1 J/HD	---	<1	87.1	0.223	---	---	---	---	---	---	---
	13-May-06	N		<1 J/HD	2.46	<1	72.9	0.135	<.5	<.1	620	597	1,250	530	3.22
	13-May-06	FD		<0.2	9.68	<1	73.3	0.180	<.5	<.1	620	589	1,270	517	3.89
	23-May-06	N		<1	<1	<1	27.4	0.104	<.5	<.5	12,000	<500	1,550	573	1.59
	30-May-06	N		<1	3.09	<1	9.74	0.043	<.5	<.5	33,100	<500	1,260	533	1.94
	06-Jun-06	N		<1	<1	<1	4.86	0.031	<.5	<.5	5,140	<500	1,100	583	1.77
	06-Jun-06	FD		<1	1.61	<1	4.5	0.034	<.5	<.5	24,400	<500	1,130	575	2.41
PT-3D	18-Mar-06	N	95-105	4,390	4,370	<1	<.5	ND	3.33	<.5	<500	<500	16.7	984	<1
	05-Apr-06	N		4,440	4,680	8.87	<.5	ND	3.28	<.5	<500	<500	10.2	966	<1
	05-May-06	N		3,980	---	<1	<1	ND	---	---	---	---	---	---	---
	06-May-06	N		3,090 J/FD	3,420	666	2.93	0.031	1.73	<.1	<500	<500	28.4	699	80.3
	07-May-06	N		4,140	---	515	3.15	0.023	---	---	---	---	---	---	---
	09-May-06	N		3,900 J/HD	3,920	268	2.1	0.020	2.02	<.2	<500	<500	42	853	36
	10-May-06	N		3,680	---	199	<2.5	0.013	---	---	---	---	---	---	---
	11-May-06	N		3,700	---	159	---	ND	---	---	---	---	---	---	---
	12-May-06	N		1,940	---	127	<2.5	ND	---	---	---	---	---	---	---
	13-May-06	N		3,550 J/HD	3,630	96.8	3.07	0.151	2.1	<.2	<500	<500	309	909	9.41
	23-May-06	N		4,380	3,940	21.7	<.5	ND	2.73	<.5	671	<500	113	854	2.39
	30-May-06	N		3,880	4,030	<1	<1	ND	2.82	<.5	<500	<500	83.8	843	2.23
	06-Jun-06	N		3,730	3,770	2.92	<.5	ND	2.82	<.5	1,630	<500	67.5	985	1.31

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Hexavalent Chromium ($\mu\text{g/L}$)	Dissolved Chromium ($\mu\text{g/L}$)	Iodide (mg/L)	Bromide (mg/L)	Fluorescein (ppb)	Nitrate-N (mg/L)	Nitrite-N (mg/L)	Total Iron ($\mu\text{g/L}$)	Dissolved Iron ($\mu\text{g/L}$)	Dissolved Manganese ($\mu\text{g/L}$)	Sulfate (mg/L)	Total Organic Carbon (mg/L)
PT-4S	15-Mar-06	N	35-45	<1	3.83	0.714 J	<.5	ND	<.5	<.1	4,060	713	919	474	1.69
	06-Apr-06	N		<1	5.84	<1	<.5	ND	<.5	<.5	2,510	1,350	707	450	1.69
	04-May-06	N		<1	---	<1	<1	ND	---	---	---	---	---	---	---
	05-May-06	N		<1	---	<1	<1	ND	---	---	---	---	---	---	---
	09-May-06	N		<0.2 J/HD	<1	<1	<.5	ND	<.5	<.1	10,800	1,490	657	472	2.4
	10-May-06	N		<1	---	<1	<2.5	ND	---	---	---	---	---	---	---
	11-May-06	N		<1	---	<1	<.5	ND	---	---	---	---	---	---	---
	12-May-06	N		<1	---	<1	<1	ND	---	---	---	---	---	---	---
	13-May-06	N		<1 J/HD	3.18	<1	<1	ND	<1	<.2	2,320	1,940	673	415	2.02
	23-May-06	N		<1	<1	<1	<.5	ND	<.5	<.5	18,600	<500	683	436	2.29
	30-May-06	N		<1	1.15	<1	<.5	ND	<.5	<.5	20,000	<500	650	426	2.72
	06-Jun-06	N		<1	<1	<1	<.5	0.073	<.5	<.5	8,530	1,340	610	492	2.56
PT-4M	15-Mar-06	N	60-70	<1	<1	0.75 J	<.5	ND	<.5	<.1	<500	<500	966	609	<1
	07-Apr-06	N		<1	1.63	<1	<.5	ND	<.5	<.5	<500	<500	766	722	1.05
	04-May-06	N		<1	---	<1	<.5	ND	---	---	---	---	---	---	---
	08-May-06	N		<1	---	<1	<.5	ND	---	---	---	---	---	---	---
	09-May-06	N		<0.21 J/HD	<1	<1	<.5	ND	<.5	<.1	723	700	686	504	1.12
	10-May-06	N		<1	---	<1	<.5	ND	---	---	---	---	---	---	---
	11-May-06	N		<1 J/HD	---	<1	<.5	ND	---	---	---	---	---	---	---
	12-May-06	N		<1	---	<1	<.5	ND	---	---	---	---	---	---	---
	13-May-06	N		<1 J/HD	2.05	<1	<.5	ND	<.5	<.1	988	899	612	529	1.22
	23-May-06	N		<1	<1	<1	<.5	ND	<.5	<.5	3,700	<500	613	565	1.58
	30-May-06	N		<1	229	<1	<.5	ND	<.5	<.5	929	<500	492	534	2.05
	06-Jun-06	N		<1	2.24	<1	<.5	ND	<.5	<.5	1,330	<500	523	570	1.31

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Hexavalent Chromium (µg/L)	Dissolved Chromium (µg/L)	Iodide (mg/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 (mg/L)
PT-4D	15-Mar-06	N	95-105	5,670	5,510	<1	1.32	ND	4.28	<.5	<500	<500	8.27	1,080	<1
	05-Apr-06	N		5,960	5,480	12.9	<.5	ND	4.7	<.5	<500	<500	<5	1,110	1.05
	08-May-06	N		5,870	---	<1	<1	ND	---	---	---	---	---	---	---
	09-May-06	N		5,900 J/HD	5,900	<1	<2.5	ND	4.6	<.5	<500	<500	<5	1,110	1.16
	10-May-06	N		5,830	---	<1	<2.5	ND	---	---	---	---	---	---	---
	11-May-06	N		5,790	---	<1	<1	ND	---	---	---	---	---	---	---
	12-May-06	N		5,810	---	<1	<1	ND	---	---	---	---	---	---	---
	13-May-06	N		5,710 J/HD	5,900	<1	<1	ND	4.36	<.2	<500	<500	<5	1,050	1.21
	23-May-06	N		5,750	5,880	<1	<.5	ND	4.91	<.5	<500	<500	<5	1,010	1.6
	23-May-06	FD		---	5,970	<1	<.5	ND	4.89	<.5	<500	<500	<5	1,010	1.87
PT-5S	30-May-06	N		5,730	5,740	<1	<1	ND	4.75	<.5	2,390	<500	21	989	2.32
	06-Jun-06	N		5,800	5,560	<1	<.5	0.078	4.7	<.5	<500	<500	<5	1,130	1.44
PT-5M	16-Mar-06	N	35-45	<1	2.71	<1	<.5	ND	<.5	<.1	949	971	2,440	401	3.2
	07-Apr-06	N		<1	<1	<1	<.5	ND	<.5	<.5	995	1,030	1,850	490	2.76
	01-Jun-06	N		<1	<1	<1	<.5	ND	<.5	<.1	4,250	1,870	1,530	372	4.14
PT-5D	16-Mar-06	N	60-70	<1	<1	<1	<.5	ND	<.5	<.1	<500	<500	707	463	1.04
	07-Apr-06	N		<1	<1	<1	<.5	ND	<.5	<.5	1,850	1,820	1,770	443	3.31
	01-Jun-06	N		<1 J/HD	<1	<1	<.5	ND	<.5	<.1	4,570	<500	168	437	1.62
PT-5D	16-Mar-06	N	95-105	6,150	5,650	<1	<.5	ND	4.86	0.258	<500	<500	355	1,080	<1
	07-Apr-06	N		<0.2	<1	<1	<.5	ND	<.5	<.5	2,280	2,200	1,700	403	3.49
	12-May-06	N		4,250	4,680	<1	1.17	0.02	3.58	<1	<500	<500	209	1,020	1.34
	01-Jun-06	N		3,900	3,930	<1	<.5	ND	3.18	<.1	3,550	<500	132	919	1.27

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Hexavalent Chromium (µg/L)	Dissolved Chromium (µg/L)	Iodide (mg/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 (mg/L)
PT-6S	16-Mar-06	N	35-45	<1	---	---	---	---	---	---	---	---	---	---	---
	18-Mar-06	N		---	4.6	<1	1.18	ND	<.5	<1	4,560	3,530	9,260	60	13.4
	04-Apr-06	N		<1	<1	<1	1.3	ND	<.5	<.5	11,600	6,310	7,650	57.8	14.2
	13-May-06	N		<1 J/HD	2.83	<1	<1	ND	<1	<.2	33,000	13,400	4,400	3.03	13
	22-May-06	N		<1 J/HD	26	<1	<.5	ND	<.5	<.5	22,600	1,180	3,710	5.91	13.9
	01-Jun-06	N		<1 J/HD	1.38	<1	<.5	ND	<.5	<.1	17,000	12,600	3,710	6.96	13.4
	06-Jun-06	N		<1	1.44	<1	<2.5	ND	<2.5	<.5	19,000	17,100	3,250	4.57	14.8
PT-6M	16-Mar-06	N	60-70	<1	<1	<1	<.5	ND	<.5	<.1	<500	<500	56.1	486	<1
	04-Apr-06	N		<1	<1	<1	<.5	ND	<.5	<.5	<500	<500	55.2	498	1.22
	13-May-06	N		<1 J/HD	4.53	<1	<.5	ND	<.5	<.1	<500	<500	71.2	509	1.7
	23-May-06	N		<1	<1	<1	<.5	ND	<.5	<.5	1,690	<500	71.2	476	1.11
	01-Jun-06	N		<1	1.24	<1	<.5	ND	<.5	<.1	1,150	<500	77.6	479	1.4
	06-Jun-06	N		<1	1.66	<1	<.5	ND	<.5	<.5	1,650	<500	76.4	528	3.14
PT-6D	16-Mar-06	N	95-105	3,310	3,140	<1	<.5	ND	2.5	0.218	<500	<500	361	844	<1
	04-Apr-06	N		2,270	2,180	4.23	<.5	ND	1.73	<.5	<500	<500	258	750	<1
	13-May-06	N		1,760 J/HD	1,720	<1	<1	ND	1.49	<.2	1,320	<500	169	810	1.16
	22-May-06	N		1,610 J/HD	1,970	<1	<.5	ND	1.42	<.5	2,520	<500	168	719	1.96
	01-Jun-06	N		1,440	1,420	<1	<.5	ND	1.2	<.1	764	<500	152	711	1.08
	06-Jun-06	N		1,340	1,290	<1	1.85	0.105	1.38	<.5	1,130	<500	134	750	2.45

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Hexavalent Chromium (µg/L)	Dissolved Chromium (µg/L)	Iodide (mg/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 (mg/L)
PTI-1S	15-Mar-06	N	35-45	<1	19.8	0.708 J	<.5	ND	<.5	<.1	7,360	8,350	717	122	4.55
	05-Apr-06	N		<1	<1	<1	<.5	ND	<.5	<.5	7,730	3,320	606	120	4.84
	06-May-06	N		<1 J/FD	4.15	<1	1,130	1,950	<2.5	<.5	21,500	19,900	980	15	588
	07-May-06	N		<1 J/FD	---	<1	449	3,820	---	---	---	---	---	---	452
	09-May-06	N		<1	---	<1	360	3,820	---	---	---	---	---	---	474
	09-May-06	FD		<0.2	---	<1	360	3,770	---	---	---	---	---	---	467
	10-May-06	N		<1	---	<1	362	3,560	---	---	---	---	---	---	506
	11-May-06	N		<1	---	<1	316	3,760	---	---	---	---	---	---	543
	12-May-06	N		<1	---	<1	284	3,710	---	---	---	---	---	---	558
	13-May-06	N		---	---	<1	288	3,730	---	---	---	---	---	---	525
	23-May-06	N		---	---	<1	213	3,810	---	---	---	---	---	---	214
	31-May-06	N		---	---	<1	56.4	4,090	---	---	---	---	---	---	188
	05-Jun-06	N		---	---	<1	28.7	3,750	---	---	---	---	---	---	136
PTI-1M	15-Mar-06	N	60-70	3.9	8.2	0.718 J	<.5	ND	<.5	<.1	<500	<500	141	510	<1
	04-Apr-06	N		3.3	11.1	<1	<.5	ND	<.5	<.5	<500	<500	99.5	529	<1
	06-May-06	N		<1 J/FD	<1	<1	1,430	0.853	<.5	<.1	<500	<500	1,770	18.7	210
	07-May-06	N		<1 J/FD	---	<1	1,510	0.728	---	---	---	---	---	---	215
	09-May-06	N		<1	---	---	621	0.272	---	---	---	---	---	---	83.4
	10-May-06	N		<1	---	<1	1,080	0.746	---	---	---	---	---	---	111
	11-May-06	N		<1	---	<1	1,130	0.79	---	---	---	---	---	---	101
	12-May-06	N		<1	---	<1	1,090	0.934	---	---	---	---	---	---	77.6
	13-May-06	N		---	---	<1	1,060	1.04	---	---	---	---	---	---	67.6
	23-May-06	N		---	---	<1	1,490	1.58	---	---	---	---	---	---	77.8
	31-May-06	N		---	---	<1	169	0.298	---	---	---	---	---	---	3.56
	05-Jun-06	N		---	---	<1	125	0.281	---	---	---	---	---	---	2.18

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

June 2006 and Second Quarter 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 (mg/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 (mg/L)
PTI-1D	15-Mar-06	N	95-105	1,620	1,580	<1	2.63	ND	<.5	<.5	<500	<500	1,070	907	1.3
	03-Apr-06	N		3,350	3,370	6.42	<.5	ND	2.59	<.5	<500	<500	140	912	<1
	07-May-06	N		<1 J/FD	---	1,640	8.27	0.153	---	---	---	---	---	---	195
	09-May-06	N		<1	---	1,950	19.2	0.794	---	---	---	---	---	---	204
	10-May-06	N		937	---	672	4.56	0.087	---	---	---	---	---	---	46.4
	11-May-06	N		1,050	---	613	3.76	0.059	---	---	---	---	---	---	31.9
	12-May-06	N		<1 J/HD	---	2,400	12.6	0.603	---	---	---	---	---	---	215
	13-May-06	N		---	---	1,760	8.24	0.145	---	---	---	---	---	---	206
	22-May-06	N		---	---	57.9	0.942	ND	---	---	---	---	---	---	2.34
	31-May-06	N		---	---	<1	<.5	ND	---	---	---	---	---	---	3.26
	05-Jun-06	N		---	---	20	<.5	ND	---	---	---	---	---	---	2.45
PE-1	17-Mar-06	N	79-89	148	138	<1	<.5	ND	<.5	<.5	<500	<500	12.7	900	2.14
	05-Apr-06	N		140	136	<1	<.5	ND	<.5	<.5	<500	<500	12.3	939	1.99
	01-Jun-06	N		114	111	<1	<.5	ND	<.5	<.1	<500	<500	12.5	773	2.34
TW-2D	17-Mar-06	N	113-148	1,430	1,530	<1	<.5	ND	1.67	<.5	<500	<500	<5	501	<1
	05-Apr-06	N		1,350	1,240	2.55	<.5	ND	1.51	<.5	<500	<500	<5	509	<1
TW-3D	17-Mar-06	N	111-156	3,350	3,070	<1	<.5	ND	4.87	<.2	<500	<500	<5	613	1.04
	05-Apr-06	N		3,140	2,980	6.12	<.5	ND	4.61	<.5	<500	<500	<5	645	<1
INJ_SOLUTION_01	04-May-06	N	NA	---	---	---	---	5,620	---	---	---	---	---	---	265
	05-May-06	N		---	---	---	<5	---	---	---	---	---	---	---	---
INJ_SOLUTION_02	05-May-06	N	NA	---	---	---	---	1,790	---	---	---	---	---	---	276
INJ_SOLUTION_03	06-May-06	N	NA	---	---	1,960	---	---	---	---	---	---	---	---	258
Make_Up_Water	05-May-06	N	NA	---	---	<1	<.5	---	---	---	---	---	---	---	---

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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 (mg/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 (mg/L)
Field Blank	17-Mar-06	FB	NA	<0.21	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	04-Apr-06	FB		<0.2	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	09-May-06	EB		<0.2 J/HD	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	13-May-06	FB		<0.2	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	24-May-06	FB		0.25	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	2.45	1.53
	01-Jun-06	FB		<0.2	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	21.4
	05-Jun-06	FB		<0.2	<1	<1	<.5	0.027	<.5	<.1	<500	<500	<5	<.5	<1
Equipment Blank	17-Mar-06	EB	NA	<0.21	2.91	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	07-Apr-06	EB		<0.2	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	09-May-06	FB		<0.2 J/HD	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	13-May-06	EB		<0.2	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	1.33
	24-May-06	EB		0.23	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	2.47	1.17
	01-Jun-06	EB		<0.2	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	05-Jun-06	EB		<0.2	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	1.03

Notes:

Most recent data indicated in **BOLD**

ft bgs Feet below ground

mg/L Milligrams per liter

µg/L Micrograms per liter

ppb Parts per billion

< Symbol indicates not detected at or above the laboratory reporting limit as noted.

N Normal

EB Equipment blank

FB Field blank

FD Field duplicate

J Reported value is estimated

J/HD Sample analyzed beyond USEPA-recommended holding time. Results may still be used for their intended purpose.

NA Not applicable

ND Not detected

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

June 2006 and Second Quarter 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 (mg/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 (mg/L)
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Notes continued:

Nitrate-N Nitrate as Nitrogen

Nitrite-N Nitrite as Nitrogen

--- Not analyzed/Not sampled

USEPA United States Environmental Protection Agency

Dissolved Samples were field filtered with a 0.45 micron filter.

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

June 2006 and Second Quarter 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Dissolved Calcium ($\mu\text{g/L}$)	Dissolved Magnesium ($\mu\text{g/L}$)	Dissolved Arsenic ($\mu\text{g/L}$)	Dissolved Potassium ($\mu\text{g/L}$)	Dissolved Sodium ($\mu\text{g/L}$)	Alkalinity bicarbonate (mg/L)	Alkalinity carbonate (mg/L)	Chloride-cl (mg/L)	Orthophosphate-p (mg/L)	Sulfide (mg/L)	Total Dissolved Solids (mg/L)
PT-1S	17-Mar-06	N	35-45	262,000	74,700	<5	15,400	1,040,000	367	<5	1,710	<.5	<2	---
	06-Apr-06	N		267,000	70,500	<5	14,400	1,090,000	368	<5	1,740	<.5	<2	3,860
	06-May-06	N		287,000	83,200	<5	14,800	1,110,000	437	<5	2,180	<.5	<2	4,680
	09-May-06	N		298,000	89,100	<5	14,500	1,110,000	405	<5	1,910	<.5	<2	---
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	4,340
	13-May-06	N		260,000	79,100	<5	13,900	1,080,000	423	<5	2,140	<1	<2	---
	23-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	01-Jun-06	N		---	---	---	---	---	---	---	---	---	<2	---
	06-Jun-06	N		278,000	83,600	10.4	14,600	1,060,000	461	<5	1,960	<.5	<2	---
PT-1M	17-Mar-06	N	60-70	229,000	40,100	<5	15,700	1,230,000	145	<5	1,790	<.5	<2	---
	06-Apr-06	N		242,000	40,600	<5	15,000	1,290,000	144	<5	1,840	<.5	<2	4,250
	06-May-06	N		233,000	36,600	<5	13,200	1,370,000	168	<5	1,820	<.5	<2	4,340
	09-May-06	N		214,000	34,700	6.56	12,800	1,280,000	125	<5	1,790	<.5	<2	---
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	3,470
	13-May-06	N		207,000	35,800	9.84	12,500	1,380,000	192	<5	1,880	<.5	<2	---
	24-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	31-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	06-Jun-06	N		221,000	38,900	7.14	12,700	1,290,000	191	<5	2,140	<.5	<2	---
PT-1D	17-Mar-06	N	95-105	321,000	24,900	<5	24,600	2,540,000	107	<5	3,650	<.5	<2	---
	17-Mar-06	FD		316,000	24,900	<5	24,800	2,550,000	110	<5	3,610	<.5	<2	---
	06-Apr-06	N		332,000	24,000	<5	25,300	2,680,000	101	<5	3,780	<.5	<2	8,070
	06-Apr-06	FD		334,000	23,600	<5	25,100	2,700,000	98.1	<5	3,700	<.5	<2	8,260
	06-May-06	N		357,000	24,300	<5	25,300	2,930,000	85.2	<5	4,230	<.5	<2	8,260
	09-May-06	N		260,000	17,700	<5	20,800	2,360,000	130	<5	3,170	<1	<2	6,960
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	7,070
	13-May-06	N		223,000	16,600	<5	20,700	2,340,000	160	<5	2,170	<1	<2	---
	24-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	31-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	05-Jun-06	N		220,000	17,400	5.38	26,300	2,160,000	127	<5	3,210	<.5	<2	---

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

June 2006 and Second Quarter 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)	Total Dissolved Solids (mg/L)
PT-2S	17-Mar-06	N	35-45	273,000	92,700	<5	12,500	929,000	613	<5	1,630	<.5	<2	---
	06-Apr-06	N		300,000	99,800	<5	12,100	1,030,000	635	<5	1,670	<.5	<2	3,810
	24-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	01-Jun-06	N		---	---	---	---	---	---	---	---	---	<2	---
	07-Jun-06	N		324,000	105,000	5.77	11,600	1,000,000	691	<5	1,900	<.5	<2	---
PT-2M	17-Mar-06	N	60-70	227,000	35,600	<5	14,700	1,340,000	264	<5	1,880	<.5	<2	---
	06-Apr-06	N		232,000	35,600	<5	13,400	1,400,000	204	<5	1,920	<.5	<2	4,430
	24-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	31-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	31-May-06	FD		---	---	---	---	---	---	---	---	---	<2	---
PT-2D	07-Jun-06	N		220,000	36,500	<5	12,600	1,360,000	212	<5	2,020	<.5	<2	---
	17-Mar-06	N	95-105	314,000	25,700	<5	24,900	2,530,000	125	<5	3,530	<.5	<2	---
	17-Mar-06	FD		315,000	26,300	<5	25,200	2,560,000	112	<5	3,560	<.5	<2	---
	06-Apr-06	N		338,000	25,600	<5	25,100	2,640,000	109	<5	3,550	<.5	<2	8,120
	06-Apr-06	FD		338,000	25,800	<5	25,300	2,650,000	109	<5	3,660	<.5	<2	8,040
	24-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	31-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
PT-3S	07-Jun-06	N		231,000	18,100	5.36	21,700	2,310,000	154	<5	3,120	<.5	<2	---
	16-Mar-06	N	35-45	244,000	85,600	<5	10,000	942,000	334	<5	1,740	<.5	<2	---
	03-Apr-06	N		236,000	80,600	5.08	10,300	930,000	369	<5	1,800	<.5	<2	4,080
	06-May-06	N		270,000	86,300	6.06	10,100	1,080,000	378	<5	1,900	<.5	<2	3,770
	06-May-06	FD		265,000	85,100	5.96	10,100	1,060,000	367	<5	1,860	<.5	<2	3,610
	09-May-06	N		281,000	93,100	6.28	11,100	1,150,000	367	<5	1,850	<1	<2	4,030
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	3,950
	13-May-06	N		238,000	79,500	6.32	9,840	1,050,000	365	<5	1,820	<1	<2	---
	23-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	30-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	06-Jun-06	N		189,000	63,000	8.17	9,260	9,170,000	505	<5	1,250	<2.5	<2	---

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

June 2006 and Second Quarter 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)	Total Dissolved Solids (mg/L)
PT-3M	18-Mar-06	N	60-70	162,000	32,600	<5	19,900	1,360,000	112	<5	1,830	<.5	<2	---
	07-Apr-06	N		184,000	30,500	<5	18,300	1,510,000	131	<5	1,910	<.5	<2	4,420
	06-May-06	N		194,000	28,900	<5	15,100	1,490,000	157	<5	2,050	<.5	<2	4,120
	09-May-06	N		186,000	28,800	<5	14,100	1,440,000	170	<5	2,020	<.5	<2	4,410
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	4,370
	13-May-06	N		193,000	28,300	<5	13,800	1,500,000	176	<5	2,040	<.5	<2	---
	13-May-06	FD		193,000	28,300	<5	13,700	1,490,000	184	<5	1,970	<.5	<2	---
	23-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	30-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	06-Jun-06	N		184,000	27,100	<5	12,900	1,360,000	172	<5	2,170	<.5	<2	---
	06-Jun-06	FD		189,000	27,900	<5	13,400	1,410,000	196	<5	2,160	<.5	<2	---
PT-3D	18-Mar-06	N	95-105	273,000	19,200	<5	22,900	2,570,000	104	<5	3,920	<.5	<2	---
	05-Apr-06	N		277,000	18,200	<5	22,200	2,720,000	87.2	<5	3,760	<.5	<2	8,130
	06-May-06	N		218,000	13,400	<5	19,500	2,300,000	117	<5	3,080	<.5	<2	6,950
	09-May-06	N		243,000	16,000	<5	21,200	2,620,000	114	<5	3,330	<1	<2	7,500
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	7,070
	13-May-06	N		234,000	16,700	5.06	20,700	2,590,000	112	<5	3,660	<1	<2	---
	23-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	30-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	06-Jun-06	N		249,000	17,100	<5	22,000	2,670,000	98.1	<5	3,990	<.5	<2	---
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	<.5	<2	4,470
	09-May-06	N		276,000	61,500	7.84	12,100	1,270,000	197	<5	2,110	<.5	<2	4,580
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	4,510
	13-May-06	N		267,000	61,100	7.59	12,300	1,300,000	181	<5	2,210	<1	<2	---
	23-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	30-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	06-Jun-06	N		263,000	60,200	8.38	12,000	1,200,000	211	<5	2,270	<.5	<2	---

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	Dissolved Calcium ($\mu\text{g/L}$)	Dissolved Magnesium ($\mu\text{g/L}$)	Dissolved Arsenic ($\mu\text{g/L}$)	Dissolved Potassium ($\mu\text{g/L}$)	Dissolved Sodium ($\mu\text{g/L}$)	Alkalinity bicarbonate (mg/L)	Alkalinity carbonate (mg/L)	Chloride-cl (mg/L)	Orthophosphate-p (mg/L)	Sulfide (mg/L)	Total Dissolved Solids (mg/L)
PT-4M	15-Mar-06	N	60-70	148,000	25,700	<5	18,700	1,370,000	144	<5	1,800	<.5	<2	---
	07-Apr-06	N		155,000	28,900	<5	20,400	1,480,000	117	<5	1,800	<.5	<2	4,190
	09-May-06	N		176,000	27,200	<5	15,400	1,490,000	168	<5	2,020	<.5	<2	4,250
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	3,870
	13-May-06	N		174,000	25,700	<5	14,000	1,460,000	178	<5	2,010	<.5	<2	---
	23-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	30-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	06-Jun-06	N		176,000	25,900	<5	13,400	1,380,000	184	<5	2,170	<.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	<.5	<2	---
	05-Apr-06	N		339,000	21,100	<5	24,000	3,060,000	68.1	<5	4,450	<.5	<2	9,150
	09-May-06	N		339,000	21,100	5.36	24,300	3,200,000	69.2	<5	4,500	<2.5	<2	9,040
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	9,290
	13-May-06	N		339,000	21,000	5.19	24,500	3,200,000	69.2	<5	4,380	<1	<2	---
	23-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	23-May-06	FD		---	---	---	---	---	---	---	---	---	<2	---
	30-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	06-Jun-06	N		325,000	20,200	5.27	24,200	2,970,000	66.2	<5	4,850	<.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	<.5	<2	---
	07-Apr-06	N		323,000	65,700	9.36	13,800	1,460,000	237	<5	2,170	<.5	<2	5,080
	01-Jun-06	N		---	---	---	---	---	---	---	---	---	<2	---
PT-5M	16-Mar-06	N	60-70	196,000	33,000	<5	11,000	1,220,000	237	<5	1,740	<.5	<2	---
	07-Apr-06	N		332,000	72,200	11.1	14,500	1,420,000	270	<5	2,210	<.5	<2	5,050
	01-Jun-06	N		---	---	---	---	---	---	---	---	---	<2	---
PT-5D	16-Mar-06	N	95-105	317,000	21,000	<5	24,500	3,150,000	62.3	<5	4,460	<.5	<2	---
	07-Apr-06	N		337,000	73,200	11.5	14,500	1,400,000	289	<5	2,190	<.5	<2	5,030
	12-May-06	N		298,000	20,900	<5	24,400	3,300,000	93.2	<5	4,160	<.5	<2	---
	01-Jun-06	N		---	---	---	---	---	---	---	---	---	<2	---

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

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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)	Total Dissolved Solids (mg/L)
PT-6S	18-Mar-06	N	35-45	269,000	157,000	12.6	21,400	1,490,000	501	<5	2,870	<.5	<2	---
	04-Apr-06	N		296,000	153,000	15.2	20,300	1,540,000	451	<5	2,900	<.5	<2	5,940
	13-May-06	N		297,000	147,000	25.5	16,600	1,500,000	538	<5	2,740	<1	<2	---
	22-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	01-Jun-06	N		---	---	---	---	---	---	---	---	---	<2	---
	06-Jun-06	N		310,400	148,000	29.9	16,400	1,360,000	505	<5	2,820	<2.5	<2	---
PT-6M	16-Mar-06	N	60-70	230,000	39,700	<5	11,800	1,300,000	227	<5	1,840	<.5	<2	---
	04-Apr-06	N		238,000	43,400	<5	12,800	1,392,000	227	<5	1,980	<.5	<2	4,340
	13-May-06	N		224,000	39,100	<5	12,300	1,390,000	210	<5	2,030	<.5	<2	---
	23-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	01-Jun-06	N		228,000	38,700	<5	12,400	1,300,000	226	<5	2,080	<.5	<2	---
	06-Jun-06	N		187,000	13,200	<5	17,300	2,210,000	118	<5	3,380	<.5	<2	---
PT-6D	16-Mar-06	N	95-105	245,000	16,200	<5	19,900	2,600,000	102	<5	3,630	<.5	<2	---
	04-Apr-06	N		239,000	17,500	<5	19,800	2,620,000	97.3	<5	3,420	<.5	<2	7,140
	13-May-06	N		216,000	14,900	<5	19,100	2,590,000	104	<5	3,310	<1	<2	---
	22-May-06	N		---	---	---	---	---	---	---	---	---	<2	---
	01-Jun-06	N		---	---	---	---	---	---	---	---	---	<2	---
	06-Jun-06	N		187,000	13,200	<5	17,300	2,210,000	118	<5	3,380	<.5	<2	---
PTI-1S	15-Mar-06	N	35-45	266,000	88,200	13.2	11,600	980,000	375	<5	1,730	<.5	<2	---
	05-Apr-06	N		266,000	88,200	7.18	11,200	996,000	357	<5	1,760	<.5	<2	3,810
	06-May-06	N		155,000	14,100	<5	30,900	992,000	602	<5	798	<2.5	<2	3,930
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	3,040
PTI-1M	15-Mar-06	N	60-70	223,000	33,200	<5	12,200	1,360,000	179	<5	1,910	<.5	<2	---
	04-Apr-06	N		226,000	37,700	<5	12,800	1,480,000	180	<5	2,050	<.5	<2	4,450
	06-May-06	N		130,000	17,700	26.5	20,400	1,320,000	383	<5	1,080	<.5	<2	4,450
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	4,480

Table 4
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PG&E Topock
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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)	Total Dissolved Solids (mg/L)
PTI-1D	15-Mar-06	N	95-105	289,000	21,500	<5	23,600	2,470,000	134	<5	3,420	<.5	<2	---
	03-Apr-06	N		267,000	18,000	<5	21,700	2,600,000	99.7	<5	3,620	<.5	<2	8,080
	10-May-06	N		---	---	---	---	---	---	---	---	---	---	7,530
PE-1	17-Mar-06	N	79-89	261,000	37,400	<5	19,700	2,200,000	277	<5	2,990	<.5	<2	---
	05-Apr-06	N		263,000	36,400	<5	19,600	2,090,000	256	<5	3,110	<.5	<2	6,580
	01-Jun-06	N		---	---	---	---	---	---	---	---	---	<2	---
TW-2D	17-Mar-06	N	113-148	207,000	23,600	<5	13,200	1,240,000	110	<5	1,920	<.5	<2	---
	05-Apr-06	N		231,000	25,800	<5	14,700	1,400,000	112	<5	2,070	<.5	<2	4,390
TW-3D	17-Mar-06	N	111-156	254,000	27,700	<5	15,900	1,540,000	97.3	<5	2,190	<.5	<2	---
	05-Apr-06	N		283,000	28,800	<5	17,900	1,740,000	89.9	<5	2,580	<.5	<2	5,580
INJ_SOLUTION_01	04-May-06	N	NA	---	---	---	---	---	---	---	---	---	---	2,240
INJ_SOLUTION_02	05-May-06	N	NA	---	---	---	---	---	---	---	---	---	---	4,650
INJ_SOLUTION_03	06-May-06	N	NA	---	---	---	---	---	---	---	---	---	---	4,460
Field Blank	17-Mar-06	FB	NA	<1000	<1000	<5	<1000	2,040	<5	<5	<.5	<.5	<2	---
	04-Apr-06	FB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	<10
	09-May-06	FB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	---
	13-May-06	FB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	---
	24-May-06	FB		---	---	---	---	---	---	---	---	---	<2	---
	01-Jun-06	FB		---	---	---	---	---	---	---	---	---	<2	---
	05-Jun-06	FB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	---

Table 4
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PG&E Topock
Needles, California

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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)	Total Dissolved Solids (mg/L)
Equipment Blank	17-Mar-06	EB	NA	<1000	<1000	<5	<1000	5,360	<5	<5	<.5	<.5	<2	---
	07-Apr-06	EB		<1000	<1000	<5	<1000	1,500	<5	<5	<.5	<.5	<2	<10
	09-May-06	EB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	---
	13-May-06	EB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	---
	24-May-06	EB		---	---	---	---	---	---	---	---	---	<2	---
	01-Jun-06	EB		---	---	---	---	---	---	---	---	---	<2	---
	05-Jun-06	EB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	---

Notes:

Most recent data indicated in **BOLD**

ft bgs Feet below ground

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

NA Not applicable

Dissolved Samples were field filtered with a 0.45 micron filter.

--- Not analyzed/not sampled

Table 5
Summary of Monitoring Information
PG&E Topock
Needles, California
June 2006 and Second Quarter 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-20060601	Gary Clift	6/1/2006	08:50 AM	Severn Trent	300.0A	Iodide	6/8/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/6/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/3/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/1/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/2/2006	Jorge Arriaga
PT-1S	N	PT-01S-20060606	Gary Clift	6/6/2006	09:30 AM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/7/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/7/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	Jorge Arriaga

Table 5
Summary of Monitoring Information
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June 2006 and Second Quarter 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-1M	N	PT-01M-20060531	Gary Clift	5/31/2006	03:25 PM	Severn Trent	300.0A	Iodide	6/5/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/6/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/4/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	5/31/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/1/2006	Jorge Arriaga
PT-1M	N	PT-01M-20060606	Gary Clift	6/6/2006	08:45 AM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/8/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/7/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	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	N	PT-01D-20060531	Gary Clift	5/31/2006	02:18 PM	Severn Trent	300.0A	Iodide	6/5/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/6/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/4/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	5/31/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/1/2006	Jorge Arriaga
PT-1D	N	PT-01D-20060605	Gary Clift	6/5/2006	02:55 PM	Severn Trent	300.0A	Iodide	6/13/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/6/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/6/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/6/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/6/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/7/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/7/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/7/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/5/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/10/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/10/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/10/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/10/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/10/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/6/2006	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
PT-2S	N	PT-02S-20060601	Gary Clift	6/1/2006	08:45 AM	Severn Trent	300.0A	Iodide	6/8/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/2/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/3/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/1/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/2/2006	Jorge Arriaga
PT-2S	N	PT-02S-20060607	Gary Clift	6/7/2006	09:10 AM	Severn Trent	300.0A	Iodide	6/13/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/8/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/9/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/8/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/8/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/12/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/12/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/12/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/13/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/7/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/13/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/20/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/20/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/8/2006	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-2M	N	PT-02M-20060531	Gary Clift	5/31/2006	03:20 PM	Severn Trent	300.0A	Iodide	6/3/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/6/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/4/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	5/31/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/1/2006	Jorge Arriaga
PT-2M	N	PT-02M-20060607	Gary Clift	6/7/2006	08:45 AM	Severn Trent	300.0A	Iodide	6/13/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/8/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/9/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/8/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/12/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/12/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/12/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/13/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/7/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/13/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/20/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/8/2006	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-2M	FD	PT-02M-20060531D	Gary Clift	5/31/2006	03:20 PM	Severn Trent	300.0A	Iodide	6/3/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/6/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/4/2006	Jay Kim
						Ozark	OHM In-House Method	Fluorescein	5/31/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/1/2006	Jorge Arriaga
PT-2D	N	PT-02D-20060531	Gary Clift	5/31/2006	02:15 PM	Severn Trent	300.0A	Iodide	6/5/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/6/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/4/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	5/31/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/1/2006	Jorge Arriaga

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PT-2D	N	PT-02D-20060607	Gary Clift	6/7/2006	08:15 AM	Severn Trent	300.0A	Iodide	6/15/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/8/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/9/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/8/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/12/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/12/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/12/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/13/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/7/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/13/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/20/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/8/2006	Jorge Arriaga
						Severn Trent	300.0A	Iodide	6/3/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/5/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	5/31/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	5/31/2006	Cherry Dam
						EMAX	E300.0	Sulfate	5/31/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/2/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	5/30/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	5/31/2006	Jorge Arriaga

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PT-3S	N	PT-03S-20060606	Gary Clift	6/6/2006	10:10 AM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/11/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/7/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/7/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/15/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	Jorge Arriaga
						Severn Trent	300.0A	Iodide	6/5/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/1/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/1/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/1/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/3/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/2/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	5/30/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	5/31/2006	Jorge Arriaga

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PT-3M	N	PT-03M-20060606	Gary Clift	6/6/2006	09:35 AM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/7/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/7/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	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-3M	FD	PT-03M-20060606D	Gary Clift	6/6/2006	09:35 AM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/7/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/7/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	Jorge Arriaga
PT-3D	N	PT-03D-20060530	Gary Clift	5/30/2006	12:47 PM	Severn Trent	300.0A	Iodide	6/3/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/1/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/1/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/1/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/3/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/2/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	5/30/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	5/31/2006	Jorge Arriaga

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PT-3D	N	PT-03D-20060606	Gary Clift	6/6/2006	08:50 AM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/7/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/7/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/20/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	Jorge Arriaga
						Severn Trent	300.0A	Iodide	6/5/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/1/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/1/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/1/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/3/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/2/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	5/30/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	5/31/2006	Jorge Arriaga

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PT-4S	N	PT-04S-20060606	Gary Clift	6/6/2006	01:45 PM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/7/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/7/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	Jorge Arriaga
						Severn Trent	300.0A	Iodide	6/3/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/1/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/1/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/1/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/3/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/2/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	5/30/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	5/31/2006	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-20060606	Gary Clift	6/6/2006	11:45 AM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/7/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/7/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	Jorge Arriaga
						Severn Trent	300.0A	Iodide	6/3/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/1/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/1/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/1/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/3/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/2/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	5/30/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	5/31/2006	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-4D	N	PT-04D-20060606	Gary Clift	6/6/2006	10:45 AM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/7/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/7/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	Jorge Arriaga
						Severn Trent	300.0A	Iodide	6/3/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/6/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/3/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/1/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/2/2006	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-20060601	Gary Clift	6/1/2006	10:25 AM	Severn Trent	300.0A	Iodide	6/3/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/7/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/3/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/1/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/2/2006	Jorge Arriaga
PT-5D	N	PT-05D-20060601	Gary Clift	6/1/2006	09:45 AM	Severn Trent	300.0A	Iodide	6/3/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/7/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/3/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/1/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/9/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/2/2006	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-6S	N	PT-06S-20060601	Gary Clift	6/1/2006	11:20 AM	Severn Trent	300.0A	Iodide	6/8/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/3/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/3/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/1/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/9/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/2/2006	Jorge Arriaga
PT-6S	N	PT-06S-20060606	Gary Clift	6/6/2006	01:50 PM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/8/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/8/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/8/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	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-6M	N	PT-06M-20060601	Gary Clift	6/1/2006	10:45 AM	Severn Trent	300.0A	Iodide	6/8/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/7/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/3/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/1/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/2/2006	Jorge Arriaga
PT-6M	N	PT-06M-20060606	Gary Clift	6/6/2006	11:55 AM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/7/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/7/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	Jorge Arriaga

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PT-6D	N	PT-06D-20060601	Gary Clift	6/1/2006	09:48 AM	Severn Trent	300.0A	Iodide	6/8/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/3/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/7/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/3/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/1/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/2/2006	Jorge Arriaga
PT-6D	N	PT-06D-20060606	Gary Clift	6/6/2006	11:00 AM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/7/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/11/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/7/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/8/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/7/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/11/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity bicarbonate	6/8/2006	Romy Marasigan
						EMAX	E310.1	Alkalinity carbonate	6/8/2006	Romy Marasigan
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						FieldAnalysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/6/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/12/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/16/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/16/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/16/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/16/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/16/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/7/2006	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
PTI-1S	N	PTI-01S-20060531	Gary Clift	5/31/2006	12:15 PM	Severn Trent EMAX EMAX FieldAnalysis Ozark	300.0A E300.0 E415.1 IM-3 OHM In-House Method	Iodide Bromide Total Organic Carbon Chromium, hexavalent-Field Fluorescein	6/3/2006 6/5/2006 6/3/2006 6/3/2006 5/31/2006	Kristen Sporleder Cherry Dam Jay Kim Margaret Ridinger
PTI-1S	N	PTI-01S-20060605	Gary Clift	6/5/2006	02:20 PM	Severn Trent EMAX EMAX FieldAnalysis Ozark	300.0A E300.0 E415.1 IM-3 OHM In-House Method	Iodide Bromide Total Organic Carbon Chromium, hexavalent-Field Fluorescein	6/9/2006 6/7/2006 6/15/2006 6/5/2006	Kristen Sporleder Cherry Dam Jay Kim Margaret Ridinger
PTI-1M	N	PTI-01M-20060531	Gary Clift	5/31/2006	11:25 AM	Severn Trent EMAX EMAX FieldAnalysis Ozark	300.0A E300.0 E415.1 IM-3 OHM In-House Method	Iodide Bromide Total Organic Carbon Chromium, hexavalent-Field Fluorescein	6/3/2006 6/2/2006 6/4/2006 6/5/2006	Kristen Sporleder Cherry Dam Jay Kim Margaret Ridinger
PTI-1M	N	PTI-01M-20060605	Gary Clift	6/5/2006	01:40 PM	Severn Trent EMAX EMAX FieldAnalysis Ozark	300.0A E300.0 E415.1 IM-3 OHM In-House Method	Iodide Bromide Total Organic Carbon Chromium, hexavalent-Field Fluorescein	6/9/2006 6/6/2006 6/10/2006 5/31/2006	Kristen Sporleder Cherry Dam Jay Kim Margaret Ridinger
PTI-1D	N	PTI-01D-20060531	Gary Clift	5/31/2006	10:25 AM	Severn Trent EMAX EMAX FieldAnalysis Ozark	300.0A E300.0 E415.1 IM-3 OHM In-House Method	Iodide Bromide Total Organic Carbon Chromium, hexavalent-Field Fluorescein	6/2/2006 6/4/2006 6/5/2006	Cherry Dam Jay Kim Margaret Ridinger
PTI-1D	N	PTI-01D-20060605	Gary Clift	6/5/2006	12:45 PM	Severn Trent EMAX EMAX FieldAnalysis Ozark	300.0A E300.0 E415.1 IM-3 OHM In-House Method	Iodide Bromide Total Organic Carbon Chromium, hexavalent-Field Fluorescein	6/6/2006 6/10/2006 5/31/2006	Cherry Dam Jay Kim Margaret Ridinger

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PE-1	N	PE-01-20060601	Gary Clift	6/1/2006	08:05 AM	Severn Trent	300.0A	Iodide	6/8/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/6/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/3/2006	Jay Kim
						Field Analysis	IM-3	Chromium, hexavalent-Field		
						Ozark	OHM In-House Method	Fluorescein	6/1/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/2/2006	Jorge Arriaga
Field Blank	FB	FB-20060601	Gary Clift	6/1/2006	08:25 AM	Severn Trent	300.0A	Iodide	6/8/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/2/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/3/2006	Jay Kim
						Ozark	OHM In-House Method	Fluorescein	6/1/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/2/2006	Jorge Arriaga

Table 5
Summary of Monitoring Information
PG&E Topock
Needles, California
June 2006 and Second Quarter 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-20060605	Gary Clift	6/5/2006	12:45 PM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/6/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/6/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/6/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/6/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/6/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/6/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/7/2006	Cherry Dam
						EMAX	E310.1	Alkalinity bicarbonate	6/7/2006	Cherry Dam
						EMAX	E310.1	Alkalinity carbonate	6/7/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						Ozark	OHM In-House Method	Fluorescein	6/5/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/10/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/10/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/10/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/10/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/10/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/6/2006	Jorge Arriaga
Equipment Blank	EB	EB-20060601	Gary Clift	6/1/2006	08:00 AM	Severn Trent	300.0A	Iodide	6/8/2006	Kristen Sporleder
						EMAX	E300.0	Bromide	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/2/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/2/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/6/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/3/2006	Jay Kim
						Ozark	OHM In-House Method	Fluorescein	6/1/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/6/2006	Karen Hirakawa
						EMAX	SW6020A	Chromium	6/8/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/8/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/8/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/2/2006	Jorge Arriaga

Table 5
Summary of Monitoring Information
PG&E Topock
Needles, California
June 2006 and Second Quarter 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-20060605	Gary Clift	6/5/2006	02:00 PM	Severn Trent	300.0A	Iodide	6/9/2006	Kristen Sporleider
						EMAX	E300.0	Bromide	6/6/2006	Cherry Dam
						EMAX	E300.0	Chloride-cl	6/6/2006	Cherry Dam
						EMAX	E300.0	Nitrate-n	6/6/2006	Cherry Dam
						EMAX	E300.0	Nitrite-n	6/6/2006	Cherry Dam
						EMAX	E300.0	Orthophosphate-p	6/6/2006	Cherry Dam
						EMAX	E300.0	Sulfate	6/6/2006	Cherry Dam
						EMAX	E310.1	Alkalinity	6/7/2006	Cherry Dam
						EMAX	E310.1	Alkalinity bicarbonate	6/7/2006	Cherry Dam
						EMAX	E310.1	Alkalinity carbonate	6/7/2006	Cherry Dam
						EMAX	E376.1	Sulfide	6/12/2006	Kam Ng
						EMAX	E415.1	Total Organic Carbon	6/10/2006	Jay Kim
						Ozark	OHM In-House Method	Fluorescein	6/5/2006	Margaret Ridinger
						EMAX	SW6010B	Iron-Total	6/10/2006	Karen Hirakawa
						EMAX	SW6020A	Arsenic	6/10/2006	Jon Elliott
						EMAX	SW6020A	Calcium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Chromium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Iron-Dissolved	6/10/2006	Jon Elliott
						EMAX	SW6020A	Magnesium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Manganese	6/10/2006	Jon Elliott
						EMAX	SW6020A	Potassium	6/10/2006	Jon Elliott
						EMAX	SW6020A	Sodium	6/10/2006	Jon Elliott
						Truesdail	SW7199	Chromium, hexavalent	6/6/2006	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

June 2006 and Second Quarter 2006 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

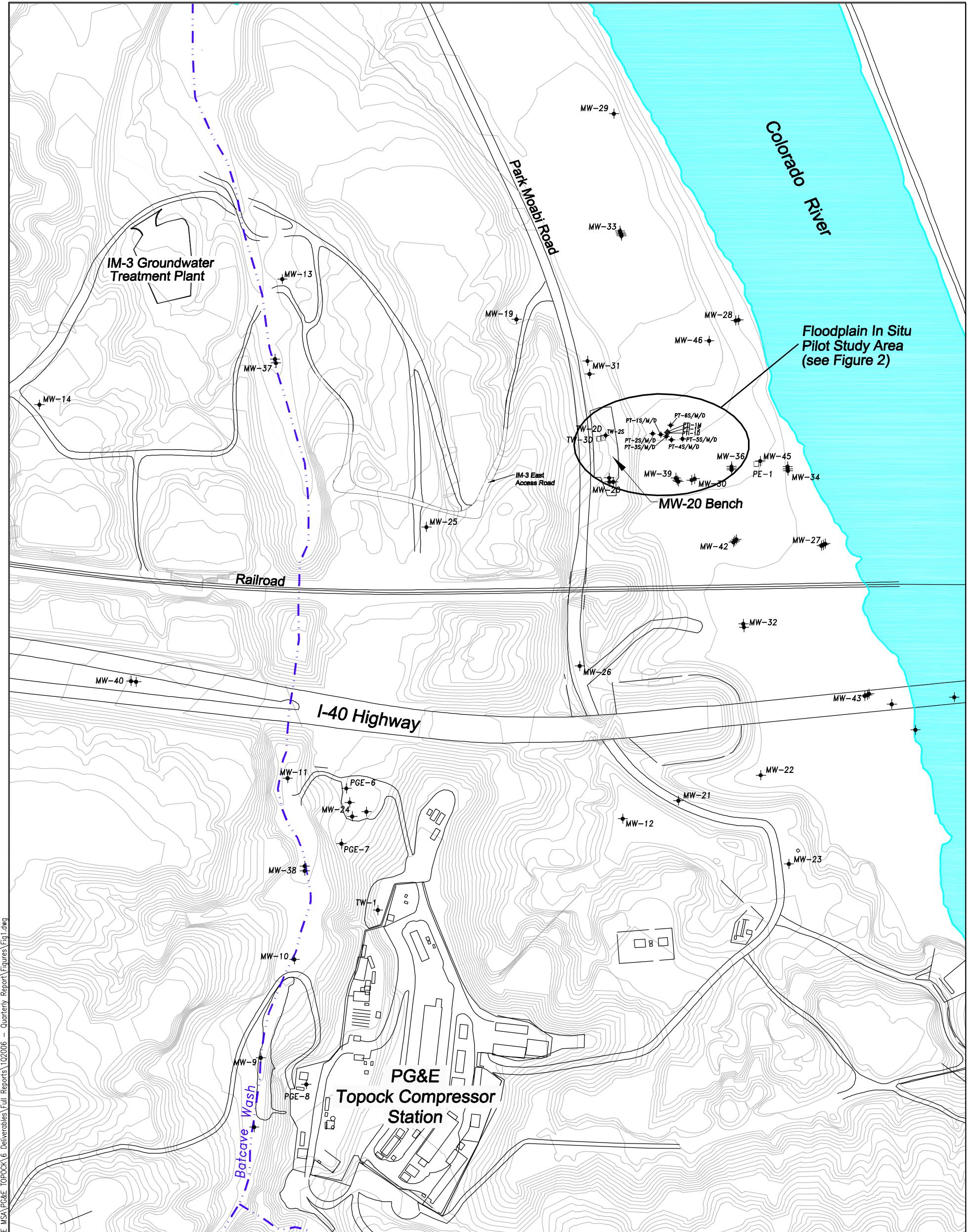
Location Designation	Date(s) of Interruption	Type of Interruption		Explanation
PT-6S	01-Jun-06	OP		Hexavalent Chromium analyzed outside USEPA-recommended 24-hour holding time. Results may still be used for their intended purpose.

Notes:

PT- Pilot test monitoring well

OP Operational Interruption

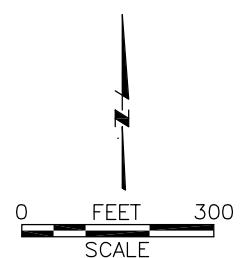
USEPA United States Environmental Protection Agency



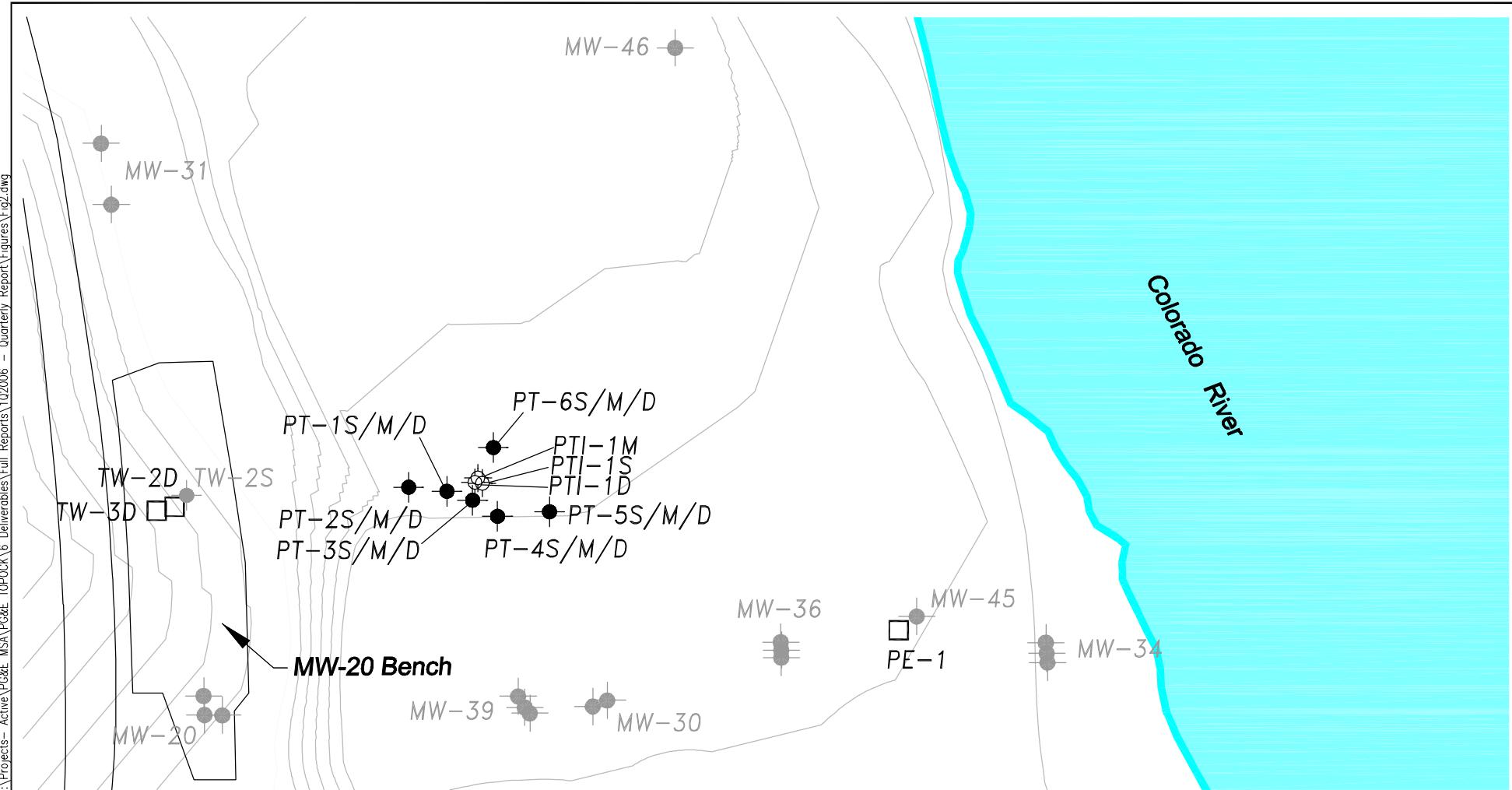
Source: MWH Draft In-Situ Hexavalent Chromium Reduction Pilot Test Work Plan, Upland Plume Treatment, 2006.

Legend

- ◆ Monitoring Well Locations
- Extraction Well Locations
- ◇ Injection Well Locations

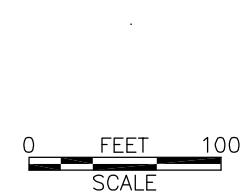


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Task Manager H. VOSCOTT	Technical Review		Figure
Drawing Date 05 APR 06	Drawn By M. CHIU		1



Legend

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



Project Director N. MORGAN-BUTCHER	Area Manager J. PETERS
Task Manager H. VOSCOTT	Technical Review
Drawing Date 05 APR 06	Drawn By M. CHIU



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SAMPLE LOCATION MAP
PG&E TOPOCK FACILITY
NEEDLES, CALIFORNIA

Project Number
RC000689.0001

Figure
2

Appendix A

Calibration Logs for Field Monitoring
Instruments

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Appendix B

Groundwater Sampling Logs

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Appendix C

Average Groundwater Elevations,
April 7 through 13, 2006

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Appendix D

Analytical Reports and Chain-of-Custody Documentation
(on Compact Disc)