ARCADIS
Infrastructure, environment, facilities

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ENVIRONMENT

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 2007 and Second Quarter 2007 Monitoring Report

Date:
18 July 2007

Contact:
Alison Jones

Phone:
415.374.2744 ext 20

Email:
Alison.Jones@arcadis-us.com

Our ref:
RC000689.0001

Dear Mr. Perdue:

On behalf of Pacific Gas and Electric Company (PG&E), ARCADIS is providing a corrected cover to the June 2007 Monitoring Report. This corrected cover sheet clarifies that the report is submitted as the June 2007 and Second Quarter 2007 Report for the PG&E Topock Compressor Station, Floodplain Reductive Zone In Situ Pilot Test (ISPT) 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. April, May, and June activities are summarized and results are tabulated in this report. Full supporting detail is provided on June field and monitoring activities; similar detail for April and May activities is provided in previously submitted monthly monitoring reports.

If you have any questions regarding this report, please call Yvonne Meeks of PG&E at (805) 546-5243, or me at (415) 374-2744 ext 20.

Sincerely,

ARCADIS U.S., Inc.

Alison Jones, PhD, PE
Senior Project Manager
Principal Engineer

Enclosure:

Cover (Revised), June 2007 and Second Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In Situ Pilot Test.

Copies:

Abdi Haile, Water Board
Cliff Raley, Water Board
Tom Vandenbery, State Water Resources Control Board
Aaron Yue, DTSC

Pacific Gas and Electric Company

Yvonne Meeks
Senior
Environmental Geologist
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July 13, 2007

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 and R7-2007-0014
PG&E Topock Compressor Station, Needles, California
Floodplain Reductive Zone In Situ Pilot Test
June 2007 Monitoring Report

Dear Mr. Perdue:

Enclosed is the Board Order R7-2006-0008 June 2007 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 and R7-2007-0014. WDRs under Board Order R7-2006-0008 and R7-2007-0014 apply to the floodplain reductive zone in situ pilot test only.

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 2007 Monitoring Report for the Floodplain Reductive Zone In Situ Pilot Test.

cc: Abdi Haile, Water Board
Cliff Raley, Water Board
Tom Vandenberg, State Water Resources Control Board
Aaron Yue, DTSC (2 copies)

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Pacific Gas and Electric Company

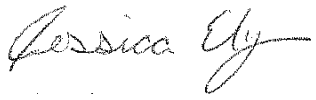
June 2007 and Second Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

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

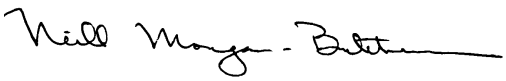
13 July 2007

ARCADIS

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



Jessica Ely
Staff Scientist



Neill Morgan-Butcher, PE
Principal Engineer

Alison Jones, PhD, PE
Senior Project Manager
Principal Engineer

DRAFT July 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Waste Discharge Requirements
Order No. R7-2006-0008 and
Order No. R7-2007-0014
PG&E Topock Compressor San Bernardino County, California

Prepared for:
Pacific Gas and Electric Company

Prepared by:
ARCADIS U.S., Inc.
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Suite 1500
San Francisco
California 94104
Tel 415 374 2744
Fax 415 374 2745

Our Ref.:
RC000689.0001.00007

Date:
13 July 2007

Table of Contents

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	*Sampling, Analysis, and Field Procedures Manual, PG&E Topock Program, Revision 1*
TOC	Total Organic Carbon
Truesdail	Truesdail Laboratories
USEPA	United States Environmental Protection Agency
Work Plan	*In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement* (August 2005)
Work Plan Addendum	*Final Addendum to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement* (December 5, 2005)
Work Plan Addendum 2	*Addendum 2 to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement* (April 14, 2006)
Work Plan Addendum 3	*Addendum 3 to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement (November 30, 2006)*

1.0 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. RWQCB Order No. R7-2007-0014 revises Order No. R7-2006-0008 to allow two additional injections of 18,000 gallons of reagent mixture into the PTI-1 injection well cluster.

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 2007.

2.0 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.

3.0 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; MWH 2005), the *Final Addendum to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement* (Work Plan Addendum; ARCADIS 2005), the *Addendum 2 to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement* (Work Plan Addendum 2; ARCADIS 2006a), and the *Addendum 3 to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement* (Work Plan Addendum 3; ARCADIS 2006b). During June 2007, ARCADIS completed the thirteenth monthly post-injection sampling event and weekly post injection sampling events. Associated field activities were performed in accordance with the above documents and the applicable procedures contained within the *Sampling, Analysis, and Field Procedures Manual, PG&E Topock Program, Revision 1* (SAFPM) (CH2M Hill, 2005).

The month 13 sampling event was performed from June 5 through June 7, 2007. The weekly post-injection sampling events were performed on June 11 and 26, 2007. Data from the May 29 and 30, 2007 weekly post-injection sampling event are included in this report. The post-injection groundwater sampling events were performed in accordance with the Work Plan and Work Plan Addenda 1 and 2. Data from the June 26, 2007 weekly post-injection sampling event are not included in this report but will be reported in the July 2007 monthly report.

Samples were collected, labeled, and packaged according to the SAFPM and as summarized in Section 4.0. Table 2 presents the field parameter results. 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.

Groundwater samples for month 13 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); and chromium, dissolved and total iron, manganese, calcium, magnesium, arsenic, potassium, sodium (USEPA Method 6010B), nitrate, nitrite, sulfate, carbonate, bicarbonate alkalinity, chloride, bromide, phosphorous, iodide (USEPA Method 300), total organic carbon (TOC) (USEPA Method 415.5), and sulfide (USEPA Method 376.1) by EMAX Laboratories, Inc. (EMAX).

Groundwater samples for the weekly post injection events were analyzed for fluorescein (in-house method) by Ozark; iodide (USEPA Method 300), and TOC (USEPA Method 415.5) by EMAX. Hexavalent chromium was analyzed in the field.

4.0 Sampling and Analytical Procedures

Groundwater sampling and associated tasks were performed in accordance with the applicable procedures contained in the SAFPM (CH2M Hill, 2005) and as summarized below.

Prior to groundwater sampling, the depth to water was recorded for each well. These data were 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, TW-2D, TW-3D) 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, and Ozark via a courier service under chain-of-custody documentation. Truesdail and EMAX are certified by the California Department of Health Services (Certification #1247 and #02116CA, 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. Sample results are summarized in Tables 3 and 4. 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 C.

5.0 Analytical Results

Laboratory reports prepared by the certified analytical laboratories are presented on the compact disc in Appendix C. Summaries of the tracer test parameters, primary parameters, and secondary 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 initial injections on May 3 through 6, 2006 (Table 3). Data to date from the second injection on August 11, 2006, the third injection on September 7, 2006, the fourth injection on November 1, 2006, and the fifth injection on May 7 and 8, 2007 do not indicate any changes in groundwater flow relative to the initial injections. Indications of reducing conditions and hexavalent chromium reduction have been noted at wells PTI-1D, PT-1D, PT-2D, and PT-3D (Table 3).

Hexavalent chromium concentrations have declined in PTI-1D, PT-1D, PT-2D, and PT-3D over the course of the first four injection events (Table 3). On May 2, 2007, immediately preceding the fifth injection, concentrations in PTI-1D were reduced to 168 µg/L and concentrations in, PT-2D and PT-3D were 87.2 and 2,650 µg/L respectively. Concentrations in PT-1D were below the reporting limit of 0.2 µg/L.

Following the fifth injection event, hexavalent chromium concentrations remained below the reporting limit (0.2 µg/L) in PT-1D, dropped below the reporting limit in PTI-1D and PT-2D, and decreased to 509 µg/L in PT-3D. The lower hexavalent chromium concentrations in PT-2D and PT-3D following the fifth injection most likely reflect an increased radius of influence of the larger volume injection and the higher concentration of lactate when compared to previous injection events.

The middle zone wells were monitored to assess any mounding or communication with the deep zone during the larger volume fifth injection event. TOC and tracer concentrations did not significantly increase in PT-1M, PT-2M, or PT-3M following the fifth injection event, indicating that mounding did not occur and that the injection solution did not travel from the deep zone into the middle zone of the aquifer (Table 3).

Observed indications of reducing conditions in the pilot test area include a decrease in nitrate concentrations, and increases in iron concentrations and manganese concentrations (Table 3). With the use of in-situ technology, the creation of the desired reducing environment may cause temporary solubilization and mobilization of other

reducible metals that naturally reside in the aquifer matrix, such as manganese, iron, and arsenic. Once the reduction-oxidation conditions return to ambient conditions, such solubilized metals typically re-oxidize and precipitate and bind to the aquifer matrix. Chromium is not expected to re-oxidize to the hexavalent state under natural groundwater conditions.

During the baseline sampling event, the maximum concentration of dissolved manganese in the aquifer was recorded at PT-6S (Table 3). The manganese concentrations in this well and other wells in the shallow, naturally reduced zones associated with the fluvial sediments in the Colorado River floodplain are higher than in the naturally oxidized sediments associated with the alluvial fan sediments under the floodplain. In the reduced zone created by the injections, manganese concentrations temporarily increase and the resulting concentrations of manganese are similar to the range of concentrations found in the naturally reducing fluvial aquifer. Along the flow path from the reduced zone toward the extraction wells, manganese concentrations decrease, and remain below detection in the extraction wells. During the time between the fourth and fifth injection it is noteworthy that manganese concentrations began to decrease in the downgradient monitoring wells, indicating that manganese solubilization is a temporary phenomenon that is short-lived during the treatment program.

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

No operational and maintenance issues or interruptions to remedial systems occurred during the reporting period.

6.0 Conclusions

This report summarizes the results of the month of June 2007 sampling activities. Indications of reducing conditions and hexavalent chromium reduction have been noted at PTI-1D, PT-2D, PT-3D, and PT-1D; month 13 data indicate that the additional injections have increased the reduction of hexavalent chromium. Data trends will continue to be evaluated as more data become available.

There were no incidents of non-compliance with respect to Order No. R7-2006-0008 and R7-2007-0014. No variances occurred during this period.

7.0 References

ARCADIS, 2005. Final Addendum to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement (Work Plan Addendum), Waste Discharge Requirements, Order No. R7-2006-0008, PG&E Topock Compressor Station, San Bernardino County, California, December 5.

_____, 2006a. Addendum 2 to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement (Work Plan Addendum 2), Waste Discharge Requirements, Order No. R7-2006-0008, PG&E Topock Compressor Station, San Bernardino County, California, April 14.

_____, 2006b. Addendum 3 to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement (Work Plan Addendum 3), Waste Discharge Requirements, Order No. R7-2006-0008, PG&E Topock Compressor Station, San Bernardino County, California, November 30.

CH2M Hill. 2005. Sampling, Analysis, and Field Procedures Manual (SAFPM), PG&E Topock Program, PG&E Topock Compressor Station Needles, California, March 31, 2005.

MWH, 2005. In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement (Work Plan), Waste Discharge Requirements, Order No. R7-2006-0008, PG&E Topock Compressor Station, San Bernardino County, California, August 8.

8.0 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.

Signature: 
Name: Yvonne Meeks
Company: PG&E
Title: Project Manager
Date: July 13 15, 2007

Table 1
Boring and Well Construction Detail Summary
PG&E Topock
Needles, California
June 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

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

Notes:

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

Table 2
Summary of Field Parameters
PG&E Topock
Needles, California
June 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-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
	06-Jun-06	N		-173.5	7.39	6,546	26.88	<10
	18-Jul-06	N		-133.4	7.25	6,461	26.6	<10
	08-Aug-06	N		-139.1	6.96	7,412	26.43	10
	06-Sep-06	N		-175.9	7.44	6,555	26.87	13
	04-Oct-06	N		-151.8	7.33	6,939	26.97	18
	08-Nov-06	N		-138.6	6.78	9,980	26.04	38
	05-Dec-06	N		-132.4	6.57	10,303	22.97	63
	03-Jan-07	N		-131.6	6.87	9,494	24.91	18
	07-Feb-07	N		-140.5	7.49	7,834	24.72	<10
	07-Mar-07	N		-120.6	7.21	6,381	25.51	<10
	05-Apr-07	N		-133.4	7.26	6,538	25.94	<10
	02-May-07	N		-128.7	7.04	6,515	25.65	<10
	06-Jun-07	**N**		**-119.6**	**7.1**	**6,256**	**25.44**	**<10**

Table 2
Summary of Field Parameters
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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-1M	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
	18-Jul-06	N		-139.6	7.51	6,927	26.3	<10
	08-Aug-06	N		-183.5	7.21	6,826	25.66	<10
	06-Sep-06	N		-233.4	7.88	6,750	26.3	17
	04-Oct-06	N		-132.1	7.51	6,823	28.81	12
	08-Nov-06	N		-146	7.14	6,743	25.36	10
	05-Dec-06	N		-133.1	6.87	6,503	23.29	83
	03-Jan-07	N		-100.2	7.26	6,511	24.62	<10
	07-Feb-07	N		-142.4	7.73	6,473	24.06	<10
	06-Mar-07	N		-160.7	7.45	5,959	25.38	<10
	05-Apr-07	N		-110.9	7.63	5,970	25.41	<10
	02-May-07	N		-101.3	7.29	5,693	24.82	<10
	15-May-07	N		-136.4	7.5	5,872	25.28	<10
	22-May-07	N		-134.9	7.13	5,783	25.07	<10
	30-May-07	**N**		**-122.9**	**7.3**	**5,873**	**25.02**	**<10**
	06-Jun-07	**N**		**-176.3**	**7.49**	**5,526**	**24.78**	**<10**

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Summary of Field Parameters
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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-1D	17-Mar-06	N	95-105	-129.5	7.36	13,149	26.06	1,900
	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
	17-Jul-06	N		201.6	7.39	11,498	26.29	840
	08-Aug-06	N		-163.8	7.17	11,662	25.83	1,240
	14-Aug-06	N		-22.9	8.1	9,762	27.52	820
	17-Aug-06	N		-154.6	8.16	10,189	26.46	580
	22-Aug-06	N		-109.3	8.31	9,846	26.68	540
	24-Aug-06	N		-2.1	8.03	9,779	26.62	580
	29-Aug-06	N		-42.1	8.12	9,308	26.56	480
	05-Sep-06	N		-94.7	8.33	9,402	27.92	371
	12-Sep-06	N		-174.1	7.95	9,129	26.76	180
	19-Sep-06	N		-361.1	8.32	8,445	26.49	320
	28-Sep-06	N		-155.8	7.74	8,889	26.58	118
	04-Oct-06	N		-173.9	7.82	9,298	26.73	103
	17-Oct-06	N		-186	7.57	9,869	26.5	40
	31-Oct-06	N		117.6	7.58	10,534	25.8	171
	08-Nov-06	N		-252.4	7.38	9,572	25.69	<10
	14-Nov-06	N		-124.7	6.91	9,798	25.69	41
	21-Nov-06	N		-130.4	7.02	9,382	24.85	12
	28-Nov-06	N		-202.9	7.6	8,884	25.27	17
	05-Dec-06	N		-242.7	7.16	9,548	23.52	36
	18-Dec-06	N		-231.2	8.27	10,087	23.62	44
	03-Jan-07	N		-64.9	7.39	11,107	24.79	10
	15-Jan-07	N		-216.8	7.69	11,036	23.05	88
	29-Jan-07	N		-229.6	7.45	10,905	24.18	<10
	07-Feb-07	N		-143.0	7.89	11,830	23.96	11

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-1D (cont)	06-Mar-07	N		-108.6	7.48	11,562	25.31	<10
	05-Apr-07	N		-108.8	7.68	11,728	25.29	<10
	02-May-07	N		-115.4	7.48	11,209	25.18	<10
	15-May-07	N		-242.2	7.22	9,393	25.84	<10
	22-May-07	N		-251.3	6.79	8,630	25.89	<10
	30-May-07	**N**		**-212.9**	**7.03**	**8,824**	**26.73**	**<10**
	06-Jun-07	**N**		**-285.4**	**7.21**	**8,436**	**25.5**	**<10**
	11-Jun-07	**N**		**-222.6**	**7.29**	**9,204**	**26.43**	**53**
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
	18-Jul-06	N		-203.8	7.28	6,492	27.51	<10
	08-Aug-06	N		-74.6	7.54	6,892	26.96	19
	06-Sep-06	N		-205.1	7.69	6,563	28.21	17
	04-Oct-06	N		-152.2	7.4	6,548	26.53	24
	08-Nov-06	N		-152	7.1	7,712	26.23	18
	05-Dec-06	N		-140.7	6.89	7,515	25.04	12
	03-Jan-07	N		-166.2	7.58	7,024	25.19	<10
	08-Feb-07	N		-141.7	7.26	6,868	25.85	<10
	07-Mar-07	N		-153.7	7.37	6,727	26.11	<10
	05-Apr-07	N		-151.2	7.43	6,780	26.54	<10
	02-May-07	N		-124.9	7.84	6,728	26.42	16
	06-Jun-07	**N**		**-99.4**	**7.21**	**6,657**	**25.88**	**<10**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-2M	17-Mar-06	N	60-70	-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
	18-Jul-06	N		-173.1	7.16	6,849	27.25	<10
	08-Aug-06	N		-27.6	7.44	6,797	26.39	<10
	06-Sep-06	N		-227.6	7.66	6,610	27.04	19
	04-Oct-06	N		-82.9	7.33	6,592	25.85	18
	08-Nov-06	N		-20.1	6.9	6,813	25.86	<10
	05-Dec-06	N		-62.8	6.73	6,639	23.53	22
	03-Jan-07	N		-160.3	7.47	6,298	24.71	12
	07-Feb-07	N		-69.5	7.09	6,221	24.82	12
	07-Mar-07	N		-192.1	7.37	5,955	25.43	<10
	05-Apr-07	N		-81.1	7.4	5,813	26.07	<10
	02-May-04	N		-90.7	7.86	5,751	26.68	<10
	15-May-07	N		-86.9	7.38	5,881	26.08	<10
	22-May-07	N		-138	7.19	5,731	25.21	<10
	30-May-07	**N**		**-93.7**	**7.12**	**5,824**	**25.54**	**<10**
	06-Jun-07	**N**		**-46.8**	**7.22**	**5,679**	**24.88**	**<10**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-2D	17-Mar-06	N	95-105	-100.5	7.21	12,626	26.17	1,600
	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
	17-Jul-06	N		426.4	7.46	11,231	26.63	500
	07-Aug-06	N		-134.6	7.43	11,647	26.8	660
	14-Aug-06	N		3.5	7.95	11,541	26.64	620
	17-Aug-06	N		-157.2	7.93	11,608	26.61	560
	21-Aug-06	N		-177.7	8.26	11,140	26.52	500
	24-Aug-06	N		-73.9	8.01	10,924	26.45	580
	29-Aug-06	N		-72	8.01	10,433	26.39	680
	05-Sep-06	N		-234.6	7.82	10,660	27.33	520
	12-Sep-06	N		-87	7.74	10,774	26.5	520
	19-Sep-06	N		-245.7	7.65	9,754	26.57	500
	28-Sep-06	N		-146.9	7.68	9,443	26.41	258
	04-Oct-06	N		91	7.58	9,240	25.85	4220*
	17-Oct-06	N		378.7	7.42	9,445	25.45	76
	31-Oct-06	N		393.3	7.53	10,065	25.69	282
	08-Nov-06	N		212	7.31	10,769	25.98	225
	14-Nov-06	N		395.4	7.46	10,256	25.4	279
	21-Nov-06	N		12.2	7.48	10,695	25.42	253
	28-Nov-06	N		22.1	7.38	10,417	23.83	214
	05-Dec-06	N		-106.9	7.04	10,124	24.67	205
	18-Dec-06	N		-95.5	8	10,285	24.75	158
	03-Jan-07	N		61.2	7.67	10,700	23.92	151
	15-Jan-07	N		-149.5	7.69	11,205	23.90	170
	29-Jan-07	N		-240.6	7.49	11,398	24.65	151
	08-Feb-07	N		-17.7	7.39	12,399	23.77	109
	07-Mar-07	N		-141.2	7.53	12,397	25.49	90
	05-Apr-07	N		-61.1	7.57	12,290	26.11	103
	02-May-07	N		-80.7	7.52	11,973	26.11	104
	15-May-07	N		-165.9	7.38	11,772	25.84	<10
	22-May-07	N		-118.4	7.03	10,362	25.43	<10
	30-May-07	**N**		**-231.8**	**7.31**	**9,711**	**25.84**	**<10**
	06-Jun-07	**N**		**-124.4**	**7.26**	**9,050**	**25.57**	**<10**
	11-Jun-07	**N**		**-232.9**	**7.41**	**9,097**	**26.16**	**49**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-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
	06-Jun-06	N		-177.7	7.57	5,295	26.72	12
	19-Jul-06	N		-166.3	7.27	5,771	26.64	<10
	08-Aug-06	N		-120.1	7.04	6,105	27.83	<10
	06-Sep-06	N		-98	7.52	6,205	26.68	23
	04-Oct-06	N		-156.2	7.32	6,249	26.31	20
	07-Nov-06	N		-155.4	7.43	6,586	26.4	20
	05-Dec-06	N		-146.3	6.85	6,377	24.46	32
	03-Jan-07	N		-141.2	7.55	6,391	24.52	<10
	07-Feb-07	N		-154.4	7.70	6,706	24.84	<10
	07-Mar-07	N		-151.2	7.37	6,350	25.35	<10
	05-Apr-07	N		-157.6	7.42	6,468	25.21	12
	02-May-07	N		-139.7	7.80	6,286	25.47	<10
	06-Jun-07	**N**		**-156.7**	**7.32**	**5,999**	**25.3**	**18**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-3M	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
	19-Jul-06	N		-156.3	7.33	6,911	25.7	<10
	08-Aug-06	N		-92.5	7.52	7,048	26.72	10
	06-Sep-06	N		-39.3	7.68	6,777	25.84	14
	04-Oct-06	N		-126.1	7.49	6,566	25.36	19
	07-Nov-06	N		-150	7.38	6,571	26.48	19
	05-Dec-06	N		-108.9	7.04	6,219	24.26	60
	03-Jan-07	N		-149.1	7.68	6,098	24.48	13
	07-Feb-07	N		-147.7	7.87	6,074	24.43	<10
	06-Mar-07	N		-113.4	7.48	5,693	25.12	<10
	04-Apr-07	N		-110.3	7.42	5,699	24.8	<10
	02-May-07	N		-97.1	7.77	5,556	25.04	<10
	16-May-07	N		-131.1	7.46	5,800	24.97	<10
	23-May-07	N		-112.1	7.69	5,817	24.17	<10
	31-May-07	**N**		**-118.4**	**7.48**	**5,691**	**24.58**	**<10**
	06-Jun-07	**N**		**-101.9**	**7.4**	**5,509**	**25.3**	**<10**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-3D	18-Mar-06	N	95-105	-54.4	7.38	13,782	25.98	4,620
	05-Apr-06	N		51.8	7.51	14,347	26.71	7,760
	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
	17-Jul-06	N		-246.7	7.51	12,277	26.17	1,920
	08-Aug-06	N		-66.9	8.62	13,045	29.12	4,100
	14-Aug-06	N		-24.3	8.46	10,984	26.95	3,140
	17-Aug-06	N		-176.1	8.34	11,853	26.29	3,600
	21-Aug-06	N		-163.9	8.54	12,168	26.73	3,860
	24-Aug-06	N		-95.2	8.31	12,213	26.3	3,520
	29-Aug-06	N		-124.4	8.34	12,065	26.68	3,340
	05-Sep-06	N		-61.2	8.41	12,130	26.55	3,200
	12-Sep-06	N		-144.8	8.01	12,434	26.47	2,880
	19-Sep-06	N		-231.4	7.66	12,884	26.31	3,100
	28-Sep-06	N		-115.5	7.75	12,579	25.98	3,800
	04-Oct-06	N		-69.8	7.84	12,638	26.11	3,520
	17-Oct-06	N		-115.2	7.61	13,181	26.85	700
	31-Oct-06	N		-74.9	7.77	13,265	25.45	3,440
	07-Nov-06	N		-140.8	7.94	13,517	26.23	2,640
	14-Nov-06	N		-186.7	7.69	11,694	25.13	680
	21-Nov-06	N		-80.4	7.7	13,544	25.1	2,960
	28-Nov-06	N		-118.6	7.61	13,654	23.36	2,880
	05-Dec-06	N		-24.5	7.19	13,171	24.79	3,100
	18-Dec-06	N		-192.5	8.34	13,619	23.5	4,120
	03-Jan-07	N		-159.2	7.75	13,761	25.26	3,400
	15-Jan-07	N		-168.4	8.06	13,540	23.46	3,200
	29-Jan-07	N		-211.6	7.6	13,155	24.1	3,060
	07-Feb-07	N		-139.1	8.07	14,021	24.7	3,280

Table 2
Summary of Field Parameters
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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-3D (cont)	06-Mar-07	N		-44.9	7.66	13,494	25.75	3,480
	05-Apr-07	N		18.3	7.68	13,102	24.57	2,880
	02-May-07	N		31.4	7.69	12,715	26.27	2,780
	16-May-07	N		-178.1	7.3	11,901	25.85	2,450
	23-May-07	N		-187.3	8.17	12,024	25.16	141
	31-May-07	**N**		**-169.3**	**7.66**	**11,476**	**26.07**	**221**
	06-Jun-07	**N**		**-141.7**	**7.59**	**10,941**	**25.3**	**709**
	11-Jun-07	**N**		**-171.3**	**7.65**	**11,867**	**26.04**	**718**
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
	19-Jul-06	N		-137.8	7.33	7,106	26.16	11
	08-Aug-06	N		-151.6	7.2	7,174	26.05	11
	06-Sep-06	N		-126.1	7.73	7,212	26.7	<10
	04-Oct-06	N		-130	7.62	7,314	26.67	11
	08-Nov-06	N		-135.2	7.88	7,478	24.89	13
	05-Dec-06	N		-145.3	6.97	7,165	24.14	65
	03-Jan-07	N		-125	7.39	7,329	25.09	<10
	07-Feb-07	N		-149.5	7.48	7,186	24.24	<10
	07-Mar-07	N		-140.2	7.44	6,470	25.14	<10
	05-Apr-07	N		-129.7	7.61	6,371	25.28	<10
	02-May-07	N		-143.6	7.51	6,285	25.65	<10
	06-Jun-07	**N**		**-98.7**	**7.56**	**6,272**	**24.23**	**<10**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-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
	19-Jul-06	N		-146.4	7.44	6,939	26.19	<10
	08-Aug-06	N		-160.5	7.29	6,976	25.76	10
	06-Sep-06	N		-110.5	7.77	6,825	26.08	<10
	04-Oct-06	N		-123.5	7.6	6,918	26.34	18
	08-Nov-06	N		-178.6	7.82	6,623	25.25	17
	05-Dec-06	N		-128.9	7.01	6,042	24.18	28
	03-Jan-07	N		-100.1	7.42	6,177	24.9	<10
	07-Feb-07	N		-120.8	7.52	5,790	24.07	<10
	07-Mar-07	N		-120.2	7.45	5,392	24.64	<10
	04-Apr-07	N		-117.3	7.66	5,143	24.48	<10
	02-May-07	N		-126.5	7.51	5,095	24.52	<10
	06-Jun-07	**N**		**-78.9**	**7.53**	**5,250**	**24.69**	**<10**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-4D	15-Mar-06	N	95-105	-98.4	7.4	15,180	26.02	5,800
	05-Apr-06	N		-30	7.58	162,310	26.61	5,840
	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
	19-Jul-06	N		-76.3	7.49	14,389	25.97	5,960
	08-Aug-06	N		-135.9	7.32	14,160	25.09	6,220
	06-Sep-06	N		46.8	7.79	14,720	26.1	5,020
	04-Oct-06	N		-99.4	7.7	14,992	27.04	5,280
	08-Nov-06	N		11.4	7.72	15,619	24.91	5,640
	05-Dec-06	N		-5.4	7.19	15,149	24.11	5,660
	03-Jan-07	N		15.5	7.64	16,119	24.81	5,580
	07-Feb-07	N		-99.3	7.68	15,975	25.17	5,300
	07-Mar-07	N		-41.9	7.65	15,324	25.8	5,100
	05-Apr-07	N		167.7	7.71	15,396	25.21	4,780
	02-May-07	N		-43.5	7.6	15,129	25.9	4,760
	16-May-06	N		-14	7.77	15,613	25.61	4,300
	23-May-07	N		-56.7	7.73	15,734	24.53	4,520
	31-May-07	**N**		**-89.1**	**7.55**	**15,357**	**25.3**	**3,280**
	06-Jun-07	**N**		**-38.3**	**7.57**	**15,267**	**25.18**	**3,700**
	11-Jun-07	**N**		**-60.2**	**7.68**	**15,759**	**25.6**	**2,450**
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
	19-Jul-06	N		-134.5	7.23	8,660	25.53	<10
	09-Aug-06	N		-172.2	7.37	8,902	25.2	<10
	08-Sep-06	N		-209.6	7.32	8,742	25.63	26
	05-Oct-06	N		-133.7	7.32	8,975	25.91	12
	09-Nov-06	N		-108.7	7.33	9,205	22.15	18
	06-Dec-06	N		-136.8	7.33	9,454	23.91	25
	04-Jan-07	N		121.7	7.37	10,029	22.51	12
	08-Feb-07	N		-124.1	7.19	9,907	22.69	<10
	03-Mar-07	N		-127.7	7.21	9,417	24.46	<10
	06-Apr-07	N		-138.6	7.38	9,293	24.85	<10
	03-May-07	N		-136.9	7.23	9,209	23.49	<10
	07-Jun-07	**N**		**-23.5**	**7.22**	**9,473**	**23.62**	**<10**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-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
	19-Jul-06	N		-113.4	7.26	5,091	25.32	<10
	09-Aug-06	N		-171.5	7.46	4,740	24.81	<10
	08-Sep-06	N		-184.3	7.58	4,666	25.16	<10
	05-Oct-06	N		-113.8	7.53	4,606	24.89	10
	09-Nov-06	N		-61.7	7.57	4,571	22.25	<10
	06-Dec-06	N		-69.3	7.55	4,807	23.06	38
	04-Jan-07	N		-69.1	7.62	5,397	23.65	<10
	08-Feb-07	N		-55.9	7.39	5,583	23.26	<10
	07-Mar-07	N		-174.7	7.42	5,361	23.97	<10
	06-Apr-07	N		91	7.5	5,291	23.56	<10
	03-May-07	N		-61.7	7.41	5,082	23.31	<10
	07-Jun-07	**N**		**35.9**	**7.4**	**4,281**	**23.76**	**<10**
PT-5D	16-Mar-06	N	95-105	-191.1	7.71	8,304	25.85	6,200
	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
	17-Jul-06	N		-208.6	7.55	13,286	25.97	3,940
	09-Aug-06	N		-128.2	7.41	13,646	25.65	4,380
	08-Sep-06	N		-168	7.65	13,954	25.45	4,600
	05-Oct-06	N		-78.9	7.66	14,067	26.14	4,100
	09-Nov-06	N		-46.2	7.82	15,243	23.18	4,980
	06-Dec-06	N		18.8	7.77	14,972	24.06	4,720
	04-Jan-07	N		28.4	7.79	16,363	23.39	4,840
	08-Feb-07	N		19.2	7.49	16,006	23.64	4,120
	08-Mar-07	N		-85.6	7.43	15,662	24.81	3,600
	05-Apr-07	N		-54.6	7.62	14,325	26.02	3,640
	03-May-07	N		17.5	7.44	13,679	24.93	3,420
	07-Jun-07	**N**		**58.3**	**7.44**	**14,053**	**24.55**	**2,740**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-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
	19-Jul-06	N		-161.6	6.97	8,271	22.57	12
	09-Aug-06	N		-107.7	6.88	9,196	26.87	52
	08-Sep-06	N		-143.6	7.78	9,508	26.05	45
	05-Oct-06	N		-139.1	7.09	9,579	25.84	20
	09-Nov-06	N		-138.6	7.04	10,797	25.75	25
	06-Dec-06	N		-136.9	6.81	11,708	23.92	62
	04-Jan-07	N		-140.1	7.13	11,955	22.67	22
	08-Feb-07	N		-135.7	7.44	12,120	23.88	<10
	08-Mar-07	N		-146.2	6.98	9,707	25.6	<10
	06-Apr-07	N		-146.9	7.1	8,395	24.88	30
	03-May-07	N		-130.3	7.43	7,997	25.26	<10
	07-Jun-07	**N**		**-137.4**	**7.0**	**8,027**	**24.98**	**11**
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
	19-Jul-06	N		-168.5	7.28	6,528	26.7	<10
	09-Aug-06	N		-38.9	7.2	6,396	26.43	<10
	08-Sep-06	N		-38.6	8.12	6,168	25.81	28
	05-Oct-06	N		-21.2	7.61	6,166	25.52	<10
	09-Nov-06	N		20	7.52	6,076	25.21	<10
	06-Dec-06	N		-45.2	7.28	6,198	24.57	29
	04-Jan-07	N		-135.1	7.6	5,966	24.06	<10
	08-Feb-07	N		-96.1	7.79	6,398	23.75	<10
	07-Mar-07	N		-74.2	7.36	5,975	24.97	<10
	06-Apr-07	N		-14	7.39	6,113	24.4	<10
	03-May-07	N		-92.8	7.6	6,193	25.07	<10
	16-May-07	N		-154.2	7.52	6,385	25.51	<10
	23-May-07	N		-94	7.68	6,307	24.59	<10
	31-May-07	**N**		**-103.8**	**7.45**	**6,132**	**25.0**	**<10**
	07-Jun-07	**N**		**16.4**	**7.36**	**6,099**	**24.31**	**<10**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PT-6D	16-Mar-06	N	95-105	-118.9	7.73	13,489	25.9	3,380
	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
	17-Jul-06	N		-681.6	7.62	10,365	26.49	920
	09-Aug-06	N		-43.8	7.5	10,793	26.84	1,600
	08-Sep-06	N		14.3	8.26	11,809	25.89	1,780
	05-Oct-06	N		-12.7	7.76	10,885	25.36	1,080
	09-Nov-06	N		131.7	7.68	11,006	25.01	1,400
	06-Dec-06	N		-31.7	7.45	11,056	24.15	1,280
	04-Jan-07	N		-171.3	7.75	11,078	24.07	1,620
	08-Feb-07	N		-97.2	8.02	12,060	24.53	1,220
	08-Mar-07	N		-44.9	7.54	11,502	25.31	820
	05-Apr-07	N		-41.2	7.78	10,753	25.45	740
	03-May-07	N		-63.7	7.81	10,222	24.95	519
	16-May-07	N		-152.7	7.71	10,529	25.2	595
	23-May-07	N		-99.1	7.9	10,562	24.46	594
	31-May-07	**N**		**-103.7**	**7.59**	**10,224**	**25.09**	**559**
	07-Jun-07	**N**		**178.1**	**7.54**	**10,944**	**24.33**	**742**
	11-Jun-07	**N**		**-29.1**	**7.63**	**10,620**	**26.01**	**637**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
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
	18-Jul-06	N		-164.1	7.28	6,399	26.77	80
	07-Aug-06	N		-124.1	7.22	6,771	26.43	<10
	07-Sep-06	N		-98.6	7.54	6,865	26.62	14
	03-Oct-06	N		-171.7	7.35	6,861	26.74	<10
	07-Nov-06	N		-178.4	6.86	7,209	26.03	14
	04-Dec-06	N		-172	6.84	7,347	24.37	13
	02-Jan-07	N		-153.2	7.15	7,219	24.25	<10
	06-Feb-07	N		-143.5	7.83	6,890	25.7	<10
	06-Mar-07	N		-157.9	7.3	6,820	24.97	<10
	04-Apr-07	N		-155.3	7.23	6,870	25.92	13
	01-May-07	N		-153.7	7.25	6,519	25.6	<10
	05-Jun-07	**N**		**-147.6**	**7.34**	**6,531**	**26.24**	**<10**

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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
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
	18-Jul-06	N		-180.1	7.56	6,990	26.62	<10
	07-Aug-06	N		-150.3	7.45	6,940	27.24	<10
	07-Sep-06	N		-78.2	7.87	6,923	26.86	16
	03-Oct-06	N		-112.8	7.27	6,621	26.15	<10
	07-Nov-06	N		-160.2	6.47	6,610	25.58	<10
	04-Dec-06	N		-64.1	7.00	6,278	24.51	32
	02-Jan-07	N		-75.6	7.29	6,291	23.45	18
	06-Feb-07	N		-130.1	7.88	5,871	24.63	<10
	06-Mar-07	N		-126.8	7.40	5,718	24.25	<10
	04-Apr-07	N		-102	7.34	5,778	25.49	<10
	01-May-07	N		-94.1	7.32	5,573	25.05	<10
	05-Jun-07	**N**		**-111.7**	**7.36**	**5,738**	**26.21**	**<10**

Table 2
Summary of Field Parameters
PG&E Topock
Needles, California
June 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PTI-1D	15-Mar-06	N	95-105	-89.9	7.37	13,018	26.04	1,780
	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
	18-Jul-06	N		-138.6	7.94	11,582	26.93	1,700
	07-Aug-06	N		-157.4	7.75	11,815	27.14	1,720
	15-Aug-06	N		-52.8	8.35	7,441	29.07	100
	17-Aug-06	N		-204.8	8.53	8,988	29.38	140
	22-Aug-06	N		-66	8.61	10,398	28.19	160
	24-Aug-06	N		-20.2	8.38	10,670	28.31	220
	29-Aug-06	N		-58.8	8.49	11,102	27.95	186
	05-Sep-06	N		-84.6	8.47	11,337	27.51	240
	12-Sep-06	N		-227.1	7.79	8,409	28.97	74
	19-Sep-06	N		-343.4	8.45	10,698	27.31	30
	28-Sep-06	N		-152.3	7.98	11,585	26.35	<10
	03-Oct-06	N		-170.2	8.02	11,933	26.63	13
	17-Oct-06	N		-173.8	8.01	12,274	27.14	28
	31-Oct-06	N		-142.4	8.03	12,402	25.97	175
	07-Nov-06	N		-293.8	7.26	8,689	26.44	10
	14-Nov-06	N		-225.2	7.61	10,502	26.11	<10
	21-Nov-06	N		-222.2	7.54	11,328	24.75	26
	28-Nov-06	N		-206.1	7.54	12,071	23.86	28
	04-Dec-06	N		-148.6	7.55	12,362	25.68	16
	18-Dec-06	N		-243.3	8.4	12,556	22.72	21
	02-Jan-07	N		-158.5	7.73	13,064	23.65	36
	15-Jan-07	N		-239.6	8.12	12,405	23.35	77
	29-Jan-07	N		-221.7	7.64	12,285	24.06	78
	06-Feb-07	N		-188.4	8.40	12,792	24.75	166
	06-Mar-07	N		-152.5	7.88	12,194	25.07	193
	04-Apr-07	N		-151	7.82	12,290	26.15	227
	01-May-07	N		-187.9	7.77	11,572	26.6	219
	15-May-07	N		-223.1	7.08	7,896	29.25	<10
	22-May-07	N		-218.5	6.92	8,967	26.91	<10
	30-May-07	**N**		**-158.9**	**7.16**	**16,498**	**25.57**	**<10**
	05-Jun-07	**N**		**-224.1**	**7.48**	**10,185**	**27.48**	**<10**
	11-Jun-07	**N**		**-235.2**	**7.49**	**10,689**	**26.91**	**44**

Table 2
Summary of Field Parameters
PG&E Topock
Needles, California
June 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
PE-1	17-Mar-06	N	79-89	---	---	---	---	115
	05-Apr-06	N		---	---	---	---	144
	01-Jun-06	N		---	---	---	---	116
	17-Jul-06	N		---	---	---	---	59
	07-Aug-06	N		-29.4	6.53	9,401	22.9	99
	06-Sep-06	N		2.2	7.56	9,443	24.78	94
	03-Oct-06	N		160.6	7.5	9,190	27.03	109
	07-Nov-06	N		-94	7.06	9,235	25.01	100
	06-Dec-06	N		-7.5	7.2	9,111	20.16	63
	02-Jan-07	N		209.6	7.31	9,264	20.93	77
	06-Feb-07	N		51.4	7.1	8871	19.31	65
	06-Mar-07	N		-63.5	7.6	8560	25.4	85
	04-Apr-07	N		55.4	7.25	8471	22.6	57
	01-May-07	N		-41.5	7.4	7972	27.48	65
	05-Jun-07	**N**		**150.1**	**7.52**	**7853**	**29.71**	**60**
TW-2D	17-Mar-06	N	113-148	---	---	---	---	1,620
	05-Apr-06	N		---	---	---	---	1,620
	19-Jul-06	N		---	---	---	---	940
	07-Aug-06	N		-35.5	7.18	7,991	28.1	900
	14-Aug-06	N		54.8	7.45	7,793	30.1	880
	17-Aug-06	N		-202.6	7.72	7,053	30.28	1,480
	22-Aug-06	N		63.1	7.2	7,364	30.14	1,040
	24-Aug-06	N		95.2	7.73	6,605	32.22	1,580
	29-Aug-06	N		163	7.39	7,387	30.71	900
	06-Sep-06	N		16.6	7.49	7,964	28.02	920
	12-Sep-06	N		79.1	7.46	5,675	29.6	1,720
	19-Sep-06	N		81.9	7.09	6,967	29.67	920
	28-Sep-06	N		36.4	7.66	5,605	26.94	1,200
	04-Oct-06	N		-73.6	7.58	8,257	31.39	1,430
	17-Oct-06	N		337	7.5	10,003	27.19	380
	31-Oct-06	N		144.9	7.54	6,974	24.18	1,280
	08-Nov-06	N		61.7	6.97	6,041	24.89	700
	14-Nov-06	N		-59.4	7.36	7,633	24.72	740
	21-Nov-06	N		-86.8	7.5	6,492	25.51	2,980
	28-Nov-06	N		217	7.3	6,917	23.42	700
	06-Dec-06	N		-12.3	7.14	6,871	19.51	436
	18-Dec-06	N		-21.8	7.58	7,189	19.62	429
	02-Jan-07	N		-77.6	7.43	8,060	17.02	640
	15-Jan-07	N		-90.4	7.53	7,340	13.98	580
	29-Jan-07	N		-70.9	7.38	5,637	61.2	620
	06-Feb-07	N		41.5	7.47	7,916	19.91	560

Table 2
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Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
TW-2D (cont)	06-Mar-07	N		-57.9	7.41	8,388	25.9	480
	05-Apr-07	N		2.9	7.52	7,032	29.47	358
	01-May-07	N		15.2	7.49	8,941	27.87	350
	16-May-07	N		-16.7	7.27	7,448	33.94	430
	22-May-07	N		27.6	7.09	7,889	30.73	322
	30-May-07	**N**		**-133**	**7.18**	**8,123**	**35.66**	**436**
	05-Jun-07	**N**		**-12.6**	**7.31**	**7,074**	**30.2**	**283**
	11-Jun-07	**N**		**-18.4**	**7.42**	**8,110**	**35.91**	**50**
TW-3D	17-Mar-06	N	111-156	---	---	---	---	3,660
	05-Apr-06	N		---	---	---	---	3,460
	19-Jul-06	N		---	---	---	---	2,760
	07-Aug-06	N		-45.9	7.45	9,325	28.1	2,300
	14-Aug-06	N		52.1	7.82	9,071	30.04	2,880
	17-Aug-06	N		-195.4	7.69	9,016	30.2	2,740
	22-Aug-06	N		32.9	8.03	8,856	31.02	2,760
	24-Aug-06	N		101.8	7.8	8,663	30.83	2,840
	29-Aug-06	N		199.4	6.88	8,476	30.78	2,800
	06-Sep-06	N		4.9	7.45	8,959	28.64	2,840
	12-Sep-06	N		87	7.48	9,435	29.96	2,820
	19-Sep-06	N		73.4	7.13	8,913	29.35	2,740
	28-Sep-06	N		-86.7	7.27	8,899	30.27	2,780
	04-Oct-06	N		-62.4	7.47	8,411	30.8	3,320
	17-Oct-06	N		350.4	7.31	9,043	26.31	720
	31-Oct-06	N		134.7	7.4	8,896	25.16	2,860
	08-Nov-06	N		65.3	7.11	9,172	25.2	2,740
	14-Nov-06	N		-13.3	7.5	8,843	24.72	2,740
	21-Nov-06	N		-67.6	7.39	9,051	25.92	2,920
	28-Nov-06	N		179.9	7.26	9,038	26.4	2,700
	06-Dec-06	N		-4.3	7.1	8,937	21.78	2,120
	18-Dec-06	N		-27.7	7.69	9,064	20.63	3,260
	02-Jan-07	N		-55	7.45	9,465	16.94	2,580
	15-Jan-07	N		-43.9	7.49	9,131	19.22	2,580
	29-Jan-07	N		-27.8	7.47	8,892	15.82	2,660
	06-Feb-07	N		48.5	7.44	9,153	20.17	2,580
	06-Mar-07	N		-48.3	7.4	9,229	26.7	2,560
	05-Apr-07	N		1.1	7.39	9,325	28.26	2,420
	01-May-07	N		5.2	7.41	8,732	27.85	2,260
	15-May-07	N		16.7	7.11	8,873	30.2	2,420
	22-May-07	N		9.3	7.1	8,775	29.03	2,340
	30-May-07	**N**		**98.4**	**6.7**	**8,926**	**24.13**	**2,240**
	05-Jun-07	**N**		**185**	**7.34**	**8,831**	**31.49**	**1,900**
	11-Jun-07	**N**		**-11.6**	**7.32**	**9,182**	**29.24**	**1,380**

Table 2
Summary of Field Parameters
PG&E Topock
Needles, California
June 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

Location Name	Sample Date	Sample Type	Screen Interval (ft bgs)	ORP (mV)	pH	Specific Conductance (µS/cm)	Temperature (C°)	Hexavalent Chromium Field (µg/L)
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
µS/cm	Microsiemens per centimeter
C°	Degrees Celsius
µg/L	Micrograms per liter
ORP	Oxidation Reduction Potential
<	Symbol indicates not detected at or above the estimated reporting limit as noted.
N	Normal
---	Not available/Not analyzed
NA	Not applicable
*	Possible anomaly

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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 J/HD	---	<1	<1	ND	---	---	---	---	---	---	---
	05-May-06	N		<1	---	<1	<1	ND	---	---	---	---	---	---	---
	06-May-06	N		<1	<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		<0.2	---	<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
	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
	18-Jul-06	N		<0.2	<1	<1	1.96	ND	<.5	<.1	28,400	4,610	679	114	6.98
	08-Aug-06	N		<0.2	<1	<.5	2.26	ND	<.5	<.1	42,300	5,870	1,140	79.7	9.38
	06-Sep-06	N		2.2	42.3	<.5	0.627	0.239	<.5	<.1	6,460	34,300	1,560	109	6.61
	04-Oct-06	N		6	<1	<.5	0.933	0.068	<.5	<.1	30,500	3,890	951	101	9.61
	08-Nov-06	N		<0.2	<1	<.5	1.61	0.395	<.5	<.1	33,600	16,600	2,250	33.4	55
	05-Dec-06	N		<0.2	<1	<2.5	<2.5	0.262	<2.5	<.5	36,400	31,700	2,620	7.19	67.9
	03-Jan-07	N		<0.2	<1	<2.5	<2.5	ND	<2.5	<.5	39,300	21,500	1,840	45.9	12.2
	07-Feb-07	N		<0.2	<1	<.5	1.08	ND	<.5	<.1	25,500	12,600	1,040	149	7.97
	07-Mar-07	N		<0.2	1.38	<.5	0.685	ND	<.5	<.1	12,400	2,950	457	198	4
	05-Apr-07	N		<0.2	1.93	<.5	0.67	ND	<.5	<.1	20,900	4,800	402	205	4.38
	02-May-07	N		<0.2	<1	<.5	0.882	ND	<.5	<.2	18,800	5,270	442	142	5.16
	06-Jun-07	**N**		**<0.2**	**<1**	**<.5**	**0.719**	**ND**	**<.5**	**<.2**	**14,400**	**3,910**	**413**	**168**	**4.89**

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-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 J/HD	---	<1	<.5	ND	---	---	---	---	---	---	---
	06-May-06	N		<40	<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	0.16	<.5	<.5	673	6,900	3,560	425	2.02
	31-May-06	N		<1 J/HD	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
	18-Jul-06	N		<0.2	<1	<1	13.4	0.039	<.5	<.1	3,430	871	2,810	405	2.47
	08-Aug-06	N		<0.2	<1	<.5	5.36	ND	<.5	<.1	5,280	744	2,330	452	3.92
	06-Sep-06	N		<0.2	<1	<.5	2.55	0.162	<.5	<.1	<500	579	2,240	481	2.29
	04-Oct-06	N		<0.2	<1	<.5	1.62	ND	<.5	<.1	4,810	628	1,820	412	6.06
	08-Nov-06	N		<0.2	<1	<.5	0.82	ND	<.5	<.1	1,470	682	1,630	390	12.1
	05-Dec-06	N		<0.2	<1	<.5	0.663	0.24	<.5	<.1	1,350	824	1,250	389	13.7
	03-Jan-07	N		<0.2	<1	<.5	0.66	0.486	<.5	<.1	13,400	<500	1,240	420	1.66
	03-Jan-07	FD		<0.2	<1	<.5	0.661	0.051	<.5	<.1	12,300	<500	1,280	418	1.67
	07-Feb-07	N		<0.2	<1	<.5	0.549	0.032	<.5	<.1	2,550	697	1,180	448	1.17
	06-Mar-07	N		<0.2	<1	<.5	0.535	0.043	<.5	<.1	1,820	<500	1,090	412	1.37
	05-Apr-07	N		<0.2	5	<.5	<.5	ND	<.5	<.1	2,500	584	1,030	431	1.04
	02-May-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.2	1,820	606	1,070	428	1.35
	15-May-07	N		---	---	<.5	---	ND	---	---	---	---	---	---	1.13
	22-May-07	N		---	---	<.5	---	ND	---	---	---	---	---	---	1.99
	30-May-07	**N**		**---**	**---**	**<.5**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**1.37**
	30-May-07	**FD**		**---**	**---**	**<.5**	**---**	**0.039**	**---**	**---**	**---**	**---**	**---**	**---**	**1.05**
	06-Jun-07	**N**		**<0.2**	**<1**	**<.5**	**<.5**	**ND**	**<.5**	**<.2**	**1,720**	**550**	**1,020**	**389**	**1.44**

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-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 J/HD	896	373	1.86	ND	<.5	<.5	<500	<500	992	665	16
	05-Jun-06	N		931	859	371	1.71	ND	<.5	<.5	<500	<500	1,270	730	10.1
	17-Jul-06	N		998	1,000	30.4	1.37	ND	0.939	0.869	<500	<500	1,160	731	3.68
	08-Aug-06	N		1,100	1,120	9.79	0.597	ND	1.15	<.1	<500	<500	1,030	748	3.21
	14-Aug-06	N		---	---	16.7	---	703	---	---	---	---	---	---	52.7
	17-Aug-06	N		---	---	<2.5	---	1,180	---	---	---	---	---	---	50
	21-Aug-06	N		---	---	5.79	---	1,420	---	---	---	---	---	---	36.2
	21-Aug-06	FD		---	---	14.5	---	1,440	---	---	---	---	---	---	36.3
	24-Aug-06	N		---	---	11.3	---	1,360	---	---	---	---	---	---	31.8
	24-Aug-06	FD		---	---	13.3	---	1,450	---	---	---	---	---	---	32.6
	29-Aug-06	N		---	---	8.58	---	1,210	---	---	---	---	---	---	16.3
	05-Sep-06	N		320	363	5.79	<1	1,250	<1	0.359	<500	<500	2,790	671	5.9
	12-Sep-06	N		---	---	333	---	845	---	---	---	---	---	---	46.3
	19-Sep-06	N		---	---	462	---	549	---	---	---	---	---	---	35.2
	19-Sep-06	FD		---	---	462	---	558	---	---	---	---	---	---	33.5
	28-Sep-06	N		---	---	447	---	251	---	---	---	---	---	---	16.4
	04-Oct-06	N		58.7	117	454	0.539	136	<.5	<.1	<500	<500	5,790	480	10.3
	17-Oct-06	N		---	---	303	---	84.3	---	---	---	---	---	---	4.91
	31-Oct-06	N		---	---	170	---	40.6	---	---	---	---	---	---	9.23
	08-Nov-06	N		<0.2	60.6	144	<5	1,300	<5	<1	<500	<500	5,390	365	150
	14-Nov-06	N		---	---	<2.5	---	0.546	---	---	---	---	---	---	49.9
	21-Nov-06	N		---	---	<0.50	---	0.492	---	---	---	---	---	---	31.2

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-1D (cont)	28-Nov-06	N		---	---	59	---	958	---	---	---	---	---	---	41.9
	05-Dec-06	N		<0.2	28.5	52	<2.5	1,460	<2.5	<.5	<500	<500	4,440	355	49.3
	18-Dec-06	N		---	---	31.4	---	514	---	---	---	---	---	---	3.29
	03-Jan-07	N		<0.2	12.1	22	<1	260	<1	<.2	1,470	<500	8,120	567	1.55
	15-Jan-07	N		---	---	13.9	---	169	---	---	---	---	---	---	1.36
	29-Jan-07	N		---	---	9.87	---	104	---	---	---	---	---	---	1.56
	07-Feb-07	N		2.6	25.5	8.96	<.5	70.3	<.5	<.1	<500	<500	10,000	689	1.1
	06-Mar-07	N		<0.2	3.17	3.65	0.624	32.6	<.5	<.1	<500	<500	10,600	678	1.2
	05-Apr-07	N		<0.2	8.44	1.83	0.615	13	<.5	<.1	<500	<500	9,260	745	1.01
	02-May-07	N		<2	13.8	1.06	0.74	5.82	<.5	<.2	<500	<500	8,970	723	1.02
	15-May-07	N		---	---	282	---	ND	---	---	---	---	---	---	804
	22-May-07	N		---	---	209	---	8.22	---	---	---	---	---	---	609
	30-May-07	**N**		**---**	**---**	**166**	**---**	**7.35**	**---**	**---**	**---**	**---**	**---**	**---**	**434**
	06-Jun-07	**N**		**<0.2**	**1.61**	**135**	**<.5**	**5.07**	**<.5**	**<.2**	**2,020**	**1,100**	**6,900**	**285**	**332**
	11-Jun-07	**N**		**---**	**---**	**129**	**---**	**4.73**	**---**	**---**	**---**	**---**	**---**	**---**	**264**
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
	18-Jul-06	N		<0.2	<1	<1	1.47	ND	<.5	<.1	38,300	2,690	1,330	6.83	12.1
	08-Aug-06	N		<0.2	1.14	<.5	1.63	ND	<.5	<.1	61,300	1,400	1,430	54.1	10.7
	06-Sep-06	N		0.26	<1	<.5	0.805	ND	<.5	<.1	48,400	889	1,460	30.4	10.6
	04-Oct-06	N		<0.2	<1	<.5	1.02	ND	<.5	<.1	25,600	1,750	1,400	12.8	13
	08-Nov-06	N		<0.2	<1	<.5	1.21	ND	<.5	<.1	10,600	1,470	1,770	56	63.6
	05-Dec-06	N		0.5	7.62	<.5	0.689	0.086	<.5	<.1	1,500	<500	226	328	3.88
	03-Jan-07	N		<0.2	<1	<1	1.31	ND	<1	<.2	5,420	1,310	1,380	24.7	11
	07-Feb-07	N		<0.2	<1	<.5	1.1	ND	<.5	<.1	10,800	1,490	1,430	5.19	11.1
	07-Mar-07	N		<0.2	<1	0.57	1.15	ND	<.5	<.1	10,800	1,400	1,410	3.42	12.8
	05-Apr-07	N		<0.2	1.23	<.5	1.1	ND	<.5	<.1	32,700	2,130	1,440	4.46	12.4
	02-May-07	N		<0.2	<1	<.5	1.16	ND	<.5	<.2	22,100	2,480	1,510	5.9	12.3
	06-Jun-07	**N**		**<0.2**	**<1**	**<.5**	**0.891**	**ND**	**<.5**	**<.2**	**29,300**	**2,850**	**1,600**	**6.75**	**14.3**

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-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		<HD/J	<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
	18-Jul-06	N		<0.2	1.06	<1	0.988	5.65	<.5	<.1	1,990	<500	228	377	3.1
	08-Aug-06	N		<0.2	<1	<.5	0.638	ND	<.5	<.1	1,040	<500	233	412	9.06
	06-Sep-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	811	<500	228	415	2.41
	04-Oct-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	958	<500	203	374	7.88
	08-Nov-06	N		<0.2	2.79	6.89	<.5	ND	<.5	<.1	<500	<500	212	354	23.1
	05-Dec-06	N		0.66	8.58	<.5	0.644	0.167	<.5	<.1	1,120	<500	211	351	14
	03-Jan-07	N		3.4	74.4	<.5	0.611	0.269	<.5	<.1	757	<500	1,570	366	1.64
	07-Feb-07	N		0.35	6.66	<.5	0.519	ND	<.5	<.1	<500	<500	339	401	1.58
	07-Mar-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	166	432	1.47
	05-Apr-07	N		<0.2	<1	<.5	<.5	0.039	<.5	<.1	1,830	<500	179	390	1.39
	02-May-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.2	508	<500	161	418	1.3
	15-May-07	N		---	---	<.5	---	ND	---	---	---	---	---	---	1.09
	22-May-07	N		---	---	<.5	---	ND	---	---	---	---	---	---	1.2
	30-May-07	**N**		**---**	**---**	**<.5**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**6.81**
	06-Jun-07	**N**		**<0.2**	**<1**	**<.5**	**<.5**	**ND**	**<.5**	**<.2**	**<500**	**<500**	**216**	**379**	**1.41**

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Summary of Primary Analytical Parameters
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June 2007 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-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
	17-Jul-06	N		466	438	110	1.76	ND	<.5	0.885	<500	<500	622	745	3.98
	07-Aug-06	N		568	495	34	0.687	ND	0.607	<.1	4,350	<500	597	953	7.94
	14-Aug-06	N		---	---	27.1	---	ND	---	---	---	---	---	---	7.23
	14-Aug-06	FD		---	---	28.9	---	ND	---	---	---	---	---	---	4.8
	17-Aug-06	N		---	---	24.3	---	47	---	---	---	---	---	---	5.1
	17-Aug-06	FD		---	---	23.6	---	49.5	---	---	---	---	---	---	4.34
	21-Aug-06	N		---	---	17.3	---	405	---	---	---	---	---	---	16.2
	24-Aug-06	N		---	---	16.8	---	636	---	---	---	---	---	---	21.8
	29-Aug-06	N		---	---	14.7	---	792	---	---	---	---	---	---	12.6
	06-Sep-06	N		432	512	10.2	<1	905	<1	<.2	<500	<500	1,270	699	4.54
	12-Sep-06	N		---	---	18.1	---	954	---	---	---	---	---	---	7.24
	19-Sep-06	N		---	---	120	---	1,050	---	---	---	---	---	---	10.3
	28-Sep-06	N		---	---	229	---	610	---	---	---	---	---	---	6.92
	04-Oct-06	N		292	234	303	<2.5	307	<2.5	<.5	3,090	<500	1,420	455	4
	17-Oct-06	N		---	---	394	---	ND	---	---	---	---	---	---	7.26
	31-Oct-06	N		---	---	367	---	ND	---	---	---	---	---	---	8.51
	31-Oct-06	FD		---	---	366	---	ND	---	---	---	---	---	---	10.1
	08-Nov-06	N		281	229	299	<2.5	ND	<2.5	<.5	<500	<500	1,710	508	24.3
	14-Nov-06	N		---	---	251	---	106	---	---	---	---	---	---	31.7

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-2D (cont)	21-Nov-06	N		---	---	218	---	163	---	---	---	---	---	---	22.4
	28-Nov-06	N		---	---	153	---	507	---	---	---	---	---	---	16.2
	05-Dec-06	N		186	183	46.7	<2.5	258	<2.5	<.5	<500	<500	1,380	292	15
	18-Dec-06	N		---	---	65.3	---	332	---	---	---	---	---	---	1.59
	03-Jan-07	N		171	167	31.9	0.722	258	<.5	<.1	<500	<500	3,380	490	1.57
	15-Jan-07	N		---	---	19.3	---	260	---	---	---	---	---	---	1.48
	29-Jan-07	N		---	---	9.45	---	162	---	---	---	---	---	---	1.35
	07-Feb-07	N		146	112	7.36	0.736	86.5	<.5	<.1	<500	<500	4,780	661	1.28
	07-Mar-07	N		91.8	86.7	1.41	0.683	21.4	<.5	<.1	<500	<500	5,150	787	<1
	05-Apr-07	N		85.6	88.5	0.702	0.612	7.02	<.5	<.1	<500	<500	4,660	779	<1
	02-May-07	N		87.2	94.2	<.5	0.74	3.34	<.5	<.2	<500	<500	4,580	785	1.03
	15-May-07	N		---	---	73.4	---	4.87	---	---	---	---	---	---	200
	22-May-07	N		---	---	157	---	4.39	---	---	---	---	---	---	466
	30-May-07	**N**		**---**	**---**	**176**	**---**	**5.2**	**---**	**---**	**---**	**---**	**---**	**---**	**409**
	06-Jun-07	**N**		**<0.2**	**<1**	**164**	**<.5**	**4.32**	**<.5**	**<.2**	**992**	**672**	**5,180**	**184**	**313**
	11-Jun-07	**N**		**---**	**---**	**154**	**---**	**5.9**	**---**	**---**	**---**	**---**	**---**	**---**	**287**

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-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 J/HD	---	<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	<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 J/HD	<1	<1	749	1,220	<2.5	<.5	21,900	3,220	750	23.2	119
	19-Jul-06	N		<0.2	<1	<1	212	751	<.5	<.5	23,400	4,680	652	12.9	16.4
	08-Aug-06	N		<0.2	<1	<.5	75.6	578	<.5	<.1	38,500	3,000	749	16.3	6.28
	06-Sep-06	N		<0.2	<1	<.5	35.2	344	<.5	<.1	12,900	3,700	883	34.2	6.66
	04-Oct-06	N		<0.2	<1	<2.5	25.1	206	<2.5	<.5	12,600	4,310	886	36.9	10.7
	08-Nov-06	N		<0.2	<1	<.5	16.6	53.1	<.5	<.1	13,100	3,720	914	36.9	33.9
	05-Dec-06	N		<0.2	<1	<.5	15	60.8	<.5	<.1	6,120	4,470	836	32.3	28.2
	03-Jan-07	N		<0.2	<1	<1	13.3	45.7	<1	<.2	7,700	4,870	798	25.8	6.45
	07-Feb-07	N		<0.2	<1	<.5	11.2	46.2	<.5	<.1	7,340	3,580	797	26.9	6.82
	07-Mar-07	N		<0.2	<1	<.5	9.4	18.2	<.5	<.1	9,340	3,770	727	26.4	6.78
	07-Mar-07	FD		<0.2	<1	<.5	9.26	18.7	<.5	<.1	7,000	5,820	768	29.4	6.82
	05-Apr-07	N		<0.2	<1	<.5	6.95	11	<.5	<.1	8,150	2,700	659	52.8	6.2
	02-May-07	N		<0.2	<1	<.5	5.69	62.3	<.5	<.2	8,400	3,070	669	35.2	6.61
	06-Jun-07	**N**		**<0.2**	**<1**	**<.5**	**4.22**	**33.9**	**<.5**	**<.2**	**6,690**	**3,300**	**719**	**21.6**	**7.08**

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-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 J/HD	---	<1	<.5	ND	---	---	---	---	---	---	---
	05-May-06	N		<1	---	<1	<.5	ND	---	---	---	---	---	---	---
	06-May-06	N		<1 J/HD	<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	0.18	<.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
	19-Jul-06	N		<1 J/HD	<1	<1	1.21	ND	<.5	<.5	14,500	588	936	544	4.05
	08-Aug-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	11,800	<500	888	514	2.39
	06-Sep-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	4,070	<500	821	590	2.2
	04-Oct-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	3,570	<500	732	479	1.84
	08-Nov-06	N		<0.2	1.57	<.5	15.2	78.5	<.5	<.1	6,980	4,230	872	82	33.1
	05-Dec-06	N		5.5	7.24	3.44	0.712	13	1.67	<.1	1,070	<500	677	627	9.96
	03-Jan-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	13,400	<500	582	481	1.32
	07-Feb-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	3,030	<500	506	496	1.18
	06-Mar-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	2,860	<500	432	455	1.41
	04-Apr-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	3,210	<500	349	437	<1
	02-May-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.2	2,480	<500	373	456	1.23
	16-May-07	N		---	---	<.5	---	ND	---	---	---	---	---	---	1.05
	23-May-07	N		---	---	<.5	---	ND	---	---	---	---	---	---	1.09
	31-May-07	**N**		**---**	**---**	**<.5**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**1.22**
	06-Jun-07	**N**		**<0.2**	**<1**	**<.5**	**<.5**	**ND**	**<.5**	**<.2**	**2,830**	**<500**	**409**	**425**	**1.22**

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-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/HD	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	0.02	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
	17-Jul-06	N		3,830	3,920	1.15	0.893	ND	2.92	0.722	<500	<500	22.4	690	3.31
	17-Jul-06	FD		3,730	3,820	<1	1.13	ND	2.93	0.723	<500	<500	22.2	885	3.14
	08-Aug-06	N		3,260	4,180	8.34	0.861	0.123	3.28	<.1	6,760	<500	27.7	875	2.99
	14-Aug-06	N		---	---	8.97	---	1,190	---	---	---	---	---	---	58
	17-Aug-06	N		---	---	9.65	---	387	---	---	---	---	---	---	10.5
	21-Aug-06	N		---	---	8.24	---	209	---	---	---	---	---	---	3.86
	24-Aug-06	N		---	---	7.09	---	181	---	---	---	---	---	---	8.53
	29-Aug-06	N		---	---	7.51	---	114	---	---	---	---	---	---	2.25
	29-Aug-06	FD		---	---	7.5	---	108	---	---	---	---	---	---	2.35
	05-Sep-06	N		2,930	2,940	8.37	<10	49.9	<10	<2	<500	<500	1,660	801	2.33
	12-Sep-06	N		---	---	270	---	40.9	---	---	---	---	---	---	32.8
	12-Sep-06	FD		---	---	265	---	45.5	---	---	---	---	---	---	31.3
	19-Sep-06	N		---	---	60.8	---	18.6	---	---	---	---	---	---	6.91
	28-Sep-06	N		---	---	25.3	---	7.85	---	---	---	---	---	---	6.16
	04-Oct-06	N		3,100	2,960	25.5	<1	7.04	2.65	<.2	<500	<500	2,630	741	7.61
	17-Oct-06	N		---	---	4.16	---	2.09	---	---	---	---	---	---	7.08
	17-Oct-06	FD		---	---	4.89	---	ND	---	---	---	---	---	---	8.91
	31-Oct-06	N		---	---	7.27	---	0.597	---	---	---	---	---	---	8.65
	08-Nov-06	N		2,430	2,330	<5	<5	423	<5	<1	<500	<500	3,940	694	43.9
	14-Nov-06	N		---	---	187	---	108	---	---	---	---	---	---	16.7
	21-Nov-06	N		---	---	10	---	88.4	---	---	---	---	---	---	4.15
	28-Nov-06	N		---	---	10	---	62	---	---	---	---	---	---	3.5

Table 3
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PG&E Topock
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June 2007 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-3D (cont)	05-Dec-06	N		5,240	4,800	8.25	<1	ND	2.44	<.2	<500	<500	767	756	2.46
	18-Dec-06	N		---	---	7.1	---	22.7	---	---	---	---	---	---	<1
	03-Jan-07	N		3,190	3,160	7.77	0.829	13.3	2.94	<.1	<500	<500	2,340	799	1.05
	15-Jan-07	N		---	---	7.03	---	6.28	---	---	---	---	---	---	<1
	29-Jan-07	N		---	---	2.89	---	3.86	---	---	---	---	---	---	<1
	07-Feb-07	N		3,030	3,030	8.4	0.793	4.23	3.29	<.1	<500	<500	1,820	849	<1
	06-Mar-07	N		3,160	2,930	7.95	0.685	0.99	3.12	<.1	<500	<500	1,320	798	<1
	05-Apr-07	N		2,480	2,680	6.67	0.668	0.305	2.45	<.1	<500	<500	1,150	769	<1
	02-May-07	N		2,650	2,380	6.19	0.781	0.143	2.61	<.2	<500	<500	981	798	<1
	16-May-07	N		---	---	107	---	2.56	---	---	---	---	---	---	252
	23-May-07	N		---	---	62.5	---	1.33	---	---	---	---	---	---	133
	31-May-07	**N**		**---**	**---**	**31.5**	**---**	**0.985**	**---**	**---**	**---**	**---**	**---**	**---**	**69.1**
	06-Jun-07	**N**		**509**	**780**	**24.8**	**0.688**	**0.562**	**0.782**	**<.2**	**<500**	**<500**	**6,470**	**614**	**50**
	06-Jun-07	**FD**		**693**	**757**	**26.4**	**0.672**	**0.404**	**0.757**	**<.5**	**<500**	**<500**	**6,630**	**638**	**49.1**
	11-Jun-07	**N**		**---**	**---**	**23.9**	**---**	**0.515**	**---**	**---**	**---**	**---**	**---**	**---**	**38.7**
	11-Jun-07	**FD**		**---**	**---**	**24**	**---**	**0.515**	**---**	**---**	**---**	**---**	**---**	**---**	**37.9**

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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-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		<40	---	<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 J/HD	<1	<1	<.5	0.073	<.5	<.5	8,530	1,340	610	492	2.56
	19-Jul-06	N		<0.2	<1	<1	<.5	ND	<.5	<.5	4,710	1,670	545	445	4.86
	08-Aug-06	N		<0.2	<1	<.5	<.5	0.165	<.5	<.1	4,270	1,710	617	431	4.21
	06-Sep-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	4,440	1,260	614	499	3.46
	06-Sep-06	FD		<0.2	<1	<.5	<.5	ND	<.5	<.1	3,780	1,360	634	461	3.16
	04-Oct-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	4,050	1,600	576	401	5.38
	08-Nov-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	3,460	1,530	616	405	17.2
	05-Dec-06	N		<0.2	1.21	<.5	<.5	ND	<.5	<.1	4,470	2,100	562	347	15.3
	03-Jan-07	N		<0.2	1.29	<.5	<.5	ND	<.5	<.1	6,190	1,330	492	396	2.57
	07-Feb-07	N		<0.2	1.3	<.5	0.512	ND	<.5	<.1	4,150	1,640	483	431	2.46
	07-Mar-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	2,560	1,040	397	442	2.46
	05-Apr-07	N		<0.2	2.67	<.5	<.5	ND	<.5	<.1	2,720	1,040	350	445	2.19
	02-May-07	N		<0.2	<1	<.5	0.515	ND	<.5	<.2	2,090	899	354	420	2.4
	06-Jun-07	**N**		**<0.2**	**<1**	**<.5**	**<.5**	**ND**	**<.5**	**<.2**	**2,390**	**1060**	**370**	**381**	**2.71**

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PG&E Topock
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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-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 J/HD	---	<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 J/HD	2.24	<1	<.5	ND	<.5	<.5	1,330	<500	523	570	1.31
	19-Jul-06	N		<0.2	<1	<1	<.5	ND	<.5	<.5	1,270	892	492	518	5.5
	08-Aug-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	1,960	724	535	528	3.22
	06-Sep-06	N		0.29	<1	<.5	<.5	ND	<.5	<.1	4,780	526	565	565	2.22
	04-Oct-06	N		<0.20	1.73	<.5	<.5	ND	<.5	<.1	5,070	<500	569	496	2.38
	08-Nov-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	2,150	<500	470	464	14.4
	05-Dec-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	2,130	775	466	445	9.54
	03-Jan-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	5,940	842	402	465	1.46
	07-Feb-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	456	502	1.19
	07-Mar-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	809	1,080	397	495	1.4
	04-Apr-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	4,840	<500	361	438	1.05
	02-May-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.2	3,920	<500	384	448	1.24
	06-Jun-07	**N**		**<0.2**	**<1**	**<.5**	**<.5**	**ND**	**<.5**	**<.2**	**4,360**	**<500**	**386**	**394**	**1.23**

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-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
	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 J/HD	5,560	<1	<.5	0.078	4.7	<.5	<500	<500	<5	1,130	1.44
	19-Jul-06	N		5,360	5,830	<1	0.989	ND	4.5	<.5	<500	<500	<5	957	7.78
	08-Aug-06	N		5,080	5,800	10.1	0.914	0.024	4.31	<.1	<500	<500	13.2	989	2.99
	06-Sep-06	N		5,750	5,720	3.57	0.647	ND	4.76	<.2	<500	<500	<5	1,030	2.18
	04-Oct-06	N		5,800	5,710	13	<2.5	ND	4.62	<.5	<500	<500	11.9	882	1.76
	04-Oct-06	FD		5,530	6,000	13.3	<2.5	ND	4.78	<.5	<500	<500	15.2	869	8.18
	08-Nov-06	N		5,680	5,440	13.6	<2.5	ND	4.68	<.5	<500	<500	<5	869	8.3
	05-Dec-06	N		6,130	5,560	13.5	<2.5	ND	4.85	<.5	<500	<500	<5	875	2.03
	03-Jan-07	N		5,360	5,320	13.4	<2.5	ND	4.54	<.5	3,060	<500	<5	916	1.02
	07-Feb-07	N		5,170	5,090	13.1	0.876	ND	4.99	<.1	9,350	<500	<5	950	1.04
	07-Mar-07	N		5,050	4,630	12.4	0.563	ND	4.79	<.1	<500	<500	9.76	977	<1
	05-Apr-07	N		4,150	4,370	9	0.846	ND	3.93	<.1	<500	<500	<5	975	<1
	02-May-07	N		4,050	4,360	10.3	1.05	ND	3.92	<.2	<500	<500	170	1,040	1.1
	16-May-07	N		---	---	10.4	---	0.042	---	---	---	---	---	---	2.13
	16-May-07	FD		---	---	10.8	---	0.042	---	---	---	---	---	---	1.63
	23-May-07	N		---	---	<.5	---	ND	---	---	---	---	---	---	1.26
	31-May-07	**N**		**---**	**---**	**9.3**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**1.2**
	06-Jun-07	**N**		**3,810**	**4,210**	**9.22**	**0.809**	**ND**	**3.77**	**<.5**	**<500**	**<500**	**14.2**	**927**	**1.1**
	11-Jun-07	**N**		**---**	**---**	**9.35**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**1.01**

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-5S	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
	19-Jul-06	N		<1	<1	<1	<.5	ND	<.5	<.5	3,530	2,470	1,400	351	12.7
	09-Aug-06	N		<0.2	<1	<.5	2.26	ND	<.5	<.1	3,220	2,410	1,350	375	8.3
	08-Sep-06	N		<0.2	<1	<.5	0.586	ND	<.5	3.7	4,070	2,840	1,410	340	6.95
	05-Oct-06	N		<0.2	1.05	<.5	0.938	ND	<.5	<.1	3,410	2,680	1,280	316	8.13
	09-Nov-06	N		<0.2	<1	<.5	0.717	ND	<.5	<.1	3,480	2,710	1,190	315	14.3
	06-Dec-06	N		<0.2	32.7	<.5	1.04	ND	<.5	<.1	4,250	3,250	1,280	307	40.7
	06-Dec-06	FD		<0.2	<1.0	<10	1.04	ND	<.5	<.1	4,170	3,440	1,330	308	38
	04-Jan-07	N		<0.2	<1	<.5	1.05	ND	<.5	<.1	7,100	3,640	1,250	339	6.36
	08-Feb-07	N		<0.2	<1	<.5	0.986	ND	<.5	<.1	4,810	3,420	1,120	330	6.05
	08-Mar-07	N		<0.2	<1	<.5	1.02	ND	<.5	<.1	4,340	3,240	1,060	401	6.59
	06-Apr-07	N		<0.2	<1	2.04	0.909	ND	<.5	<.1	3,760	3,640	961	398	5.61
	03-May-07	N		<0.2	<1	<.5	0.969	ND	<.5	<.1	3,870	3,250	1,010	414	6.12
	07-Jun-07	**N**		**<0.2**	**<1**	**<0.5**	**<0.5**	**ND**	**<0.5**	**<0.5**	**4,620**	**3,770**	**1,130**	**433**	**5.8**
PT-5M	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
	19-Jul-06	N		<0.2	<1	<1	<.5	ND	<.5	<.5	2,240	<500	109	404	6.53
	09-Aug-06	N		<0.2 J/HD	<1	<.5	<.5	ND	<.5	<.1	3,770	<500	83.5	372	3.75
	08-Sep-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	9,570	<500	82.3	404	2.77
	05-Oct-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	2,980	<500	65.4	343	5.79
	09-Nov-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	790	<500	59.1	348	18.5
	06-Dec-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	958	<500	61.3	353	22.1
	04-Jan-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	4,110	<500	62.2	391	1.68
	08-Feb-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	692	<500	56.4	414	1.35
	07-Mar-07	N		<0.2	2.15	<.5	<.5	ND	<.5	<.1	1,020	<500	84.8	441	1.84
	06-Apr-07	N		5.7	30.8	<.5	<.5	ND	<.5	<.1	6,040	<500	44.4	422	1.44
	03-May-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	45.0	425	1.67
	07-Jun-07	**N**		**<0.2**	**<1**	**<0.5**	**<0.5**	**ND**	**<0.5**	**<0.1**	**543**	**<500**	**32.0**	**371**	**1.86**

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PG&E Topock
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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-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
	17-Jul-06	N		3,640	3,890	<1	1.01	ND	2.98	0.613	<500	<500	90.8	882	3.73
	09-Aug-06	N		4,470 J/HD	3,880	6.85	<1	ND	3.12	<.2	<500	<500	55.8	933	1.74
	08-Sep-06	N		4,420	4,930	9.71	<1	ND	3.61	<.2	<500	<500	40	923	2.33
	05-Oct-06	N		3,740	3,920	8.72	<1	ND	3.13	<.2	<500	<500	62.3	860	8.05
	09-Nov-06	N		4,510	4,400	11.6	<2.5	ND	4.01	<.5	<500	<500	36.6	839	3.59
	06-Dec-06	N		4,700	4,480	11	0.704	ND	3.99	<.1	<500	<500	33.5	852	4.9
	04-Jan-07	N		4,050	4,690	10.7	1.09	ND	3.95	<.2	24,100	<500	14.4	876	1.22
	08-Feb-07	N		3,950	3,750	9.95	0.97	ND	3.78	<.1	<500	<500	---	1,000	1.02
	08-Mar-07	N		3,640	3,500	8.8	0.879	ND	3.3	<.1	<500	<500	31.3	1,020	1.58
	05-Apr-07	N		3,230	3,420	8.45	0.813	ND	2.85	<.1	523	<500	28.4	978	1.02
	03-May-07	N		3,090	3,140	7.31	0.925	ND	2.81	<.1	<500	<500	26.4	944	1.21
	07-Jun-07	**N**		**3,370**	**3,110**	**9.14**	**1.07**	**ND**	**3.17**	**<0.2**	**<500**	**<500**	**27.1**	**888**	**1.27**
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 J/HD	1.44	<1	<2.5	ND	<2.5	<.5	19,000	17,100	3,250	4.57	14.8
	19-Jul-06	N		1.1	17.2	<1	2.72	ND	<.5	<.5	19,900	17,200	2,970	2.56	16.9
	09-Aug-06	N		<0.2	1.41	<.5	2.9	ND	<.5	<.1	23,700	16,500	3,170	76.2	16.1
	08-Sep-06	N		<0.2	2.56	<1	<1	ND	<1	<.2	22,900	15,800	2,810	4.46	16.4
	05-Oct-06	N		<0.2	<1	<2.5	<2.5	ND	<2.5	<.5	26,400	19,100	2,610	4.66	20.2
	09-Nov-06	N		<0.2	3.65	<.5	1.7	ND	<.5	<.1	27,800	20,000	2,550	6.07	62.2
	06-Dec-06	N		<0.2	<1.0	<.5	1.9	ND	<.5	<.1	36,500	27,700	2,530	9.65	76
	04-Jan-07	N		<0.2	1.23	<1	2.12	ND	<1	<.2	35,400	30,000	2,220	9.68	20.9
	08-Feb-07	N		<0.2	1.92	<.5	1.83	ND	<.5	<.1	30,300	25,900	1,770	8.25	19.9
	08-Mar-07	N		<0.2	<50	<.5	1.45	ND	<.5	<.1	26,400	20,500	1,540	11.8	16
	06-Apr-07	N		<0.2	<1	<.5	1.22	ND	<.5	<.1	23,400	12,900	1,050	8.43	13
	03-May-07	N		<0.2	1.36	<.5	1.26	ND	<.5	<.1	22,300	16,600	1,250	2.95	14.4
	07-Jun-07	**N**		**<0.2**	**2.01**	**<0.5**	**1.1**	**ND**	**<0.5**	**<0.2**	**33,600**	**19,000**	**1,230**	**1.45**	**14.8**

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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-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 J/HD	1.66	<1	<.5	ND	<.5	<.5	1,650	<500	76.4	528	3.14
	19-Jul-06	N		<0.2	2.53	<1	<.5	ND	<.5	<.5	641	<500	89.2	471	4.28
	09-Aug-06	N		<0.2 J/HD	<1	<.5	<.5	ND	<.5	<.1	<500	<500	94.1	465	5.44
	08-Sep-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	2,790	<500	108	452	2.97
	05-Oct-06	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	1,120	<500	104	405	8.61
	09-Nov-06	N		<0.2	1.15	<.5	<.5	ND	<.5	<.1	1,990	<500	114	389	12.9
	06-Dec-06	N		<0.2	1.13	<.5	<.5	ND	<.5	<.1	<500	<500	116	388	17.1
	04-Jan-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	1,510	<500	119	391	1.91
	08-Feb-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	2,180	<500	124	441	1.73
	07-Mar-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	704	<500	141	433	2.23
	06-Apr-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	156	406	1.35
	03-May-07	N		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	168	442	1.72
	16-May-07	N		---	---	<.5	---	ND	---	---	---	---	---	---	1.39
	23-May-07	N		---	---	<.5	---	ND	---	---	---	---	---	---	1.49
	31-May-07	**N**		**---**	**---**	**<.5**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**1.49**
	07-Jun-07	**N**		**<0.2**	**1.7**	**<0.5**	**<0.5**	**ND**	**<0.5**	**<0.1**	**<500**	**<500**	**200**	**435**	**1.82**

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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-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 J/HD	1,290	<1	1.85	0.105	1.38	<.5	1,130	<500	134	750	2.45
	17-Jul-06	N		1,220	1,120	<1	<.5	ND	0.994	0.917	<500	<500	112	670	3.54
	09-Aug-06	N		1,320 J/HD	1,440	3.34	0.94	ND	1.27	<.1	<500	<500	77.2	684	2.67
	08-Sep-06	N		1,540	1,520	3.54	<.5	ND	1.55	<.1	<500	<500	70.6	726	2.17
	05-Oct-06	N		1,060	1,000	2.44	0.55	ND	1.05	<.1	612	<500	34.1	667	2.9
	09-Nov-06	N		1,300	1,160	3.25	0.561	ND	1.36	<.1	<500	<500	28.8	620	4.61
	09-Nov-06	FD		1,500	1,130	4.63	0.614	ND	1.75	<.1	<500	<500	29	617	4.2
	06-Dec-06	N		1,100	1,270	2.97	0.637	ND	1.33	<.1	<500	<500	25.2	672	7.01
	04-Jan-07	N		1,320	1,490	3.58	0.724	0.036	1.75	<.1	1,260	<500	116	634	1.36
	08-Feb-07	N		1,020	926	2.74	0.62	ND	1.42	<.1	<500	<500	17.2	711	1.14
	08-Mar-07	N		781	796	1.87	0.606	ND	1.04	<.1	<500	<500	71.8	731	1.31
	05-Apr-07	N		659	735	<.5	0.619	ND	1.09	<.1	<500	<500	28.8	684	<1
	03-May-07	N		583	564	1.44	0.615	ND	0.805	<.1	<500	<500	20.4	630	<1
	16-May-07	N		---	---	1.54	---	ND	---	---	---	---	---	---	<1
	23-May-07	N		---	---	<.5	---	ND	---	---	---	---	---	---	<1
	31-May-07	**N**		**---**	**---**	**1.31**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**<1**
	07-Jun-07	**N**		**640**	**847**	**<0.5**	**0.623**	**ND**	**0.892**	**<0.2**	**<500**	**<500**	**23.5**	**650**	**1.15**
	11-Jun-07	**N**		**---**	**---**	**1.42**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**<1**

Table 3
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PG&E Topock
Needles, California
June 2007 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-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/HD	4.15	<1	1,130	1,950	<2.5	<.5	21,500	19,900	980	15	588
	07-May-06	N		<1 J/HD	---	<1	449	3,820	---	---	---	---	---	---	452
	09-May-06	N		<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
	18-Jul-06	N		<0.2	---	<1	3.05	647	---	---	---	---	---	---	9.33
	07-Aug-06	N		<0.2	---	<.5	<.5	196	---	---	---	---	---	---	11.4
	07-Sep-06	N		<1	---	<1	<1	73.4	---	---	---	---	---	---	8.1
	03-Oct-06	N		<0.2	---	<2.5	<2.5	46	---	---	---	---	---	---	10.8
	07-Nov-06	N		---	---	<.5	1.03	30.7	---	---	---	---	---	---	26.3
	05-Dec-06	N		---	---	<.5	0.884	21.6	<.5	<.1	---	---	---	4.37	45.4
	02-Jan-07	N		<0.2	---	<.5	0.974	17.1	---	---	---	---	---	---	7.41
	06-Feb-07	N		<0.2	---	<.5	0.928	13.9	---	---	---	---	---	---	7.31
	06-Mar-07	N		<0.2	---	<.5	0.91	11.5	---	---	---	---	---	---	7.31
	04-Apr-07	N		<0.2	---	<.5	0.806	8.09	---	---	---	---	---	---	7.18
	01-May-07	N		<0.2	---	<.5	0.968	6.44	---	---	---	---	---	---	7.32
	05-Jun-07	**N**		**<0.2**	**---**	**<.5**	**0.766**	**4.44**	**---**	**---**	**---**	**---**	**---**	**---**	**7.42**

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Needles, California
June 2007 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-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/HD	<1	<1	1,430	0.853	<.5	<.1	<500	<500	1,770	18.7	210
	07-May-06	N		<1 J/HD	---	<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
	18-Jul-06	N		<1	---	<1	28.4	0.1	---	---	---	---	---	---	3.12
	07-Aug-06	N		<0.2	---	<.5	18.1	1.57	---	---	---	---	---	---	6.07
	07-Sep-06	N		<0.2	---	<.5	5.66	0.047	---	---	---	---	---	---	2.42
	03-Oct-06	N		<0.2	---	<0.5	1.96	0.029	---	---	---	---	---	---	7.75
	07-Nov-06	N		---	---	<.5	0.95	0.079	---	---	---	---	---	---	14.3
	05-Dec-06	N		---	---	<.5	0.75	ND	<.5	<.1	---	---	---	431	19.7
	02-Jan-07	N		<0.2	---	<.5	0.647	ND	---	---	---	---	---	---	1.51
	06-Feb-07	N		<0.2	---	<.5	0.512	ND	---	---	---	---	---	---	1.22
	06-Mar-07	N		<0.2	---	<.5	<.5	ND	---	---	---	---	---	---	1.37
	04-Apr-07	N		<0.2	---	<.5	<.5	ND	---	---	---	---	---	---	1.07
	01-May-07	N		<0.2	---	<.5	<.5	ND	---	---	---	---	---	---	1.29
	05-Jun-07	**N**		**<0.2**	**---**	**<.5**	**<.5**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**1.39**

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PG&E Topock
Needles, California
June 2007 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/HD	---	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
	18-Jul-06	N		1,360	---	1.65	0.512	ND	---	---	---	---	---	---	3.42
	07-Aug-06	N		1,820	---	4.65	<.5	ND	---	---	---	---	---	---	7.28
	15-Aug-06	N		---	---	<5	---	2,850	---	---	---	---	---	---	117
	17-Aug-06	N		---	---	14.3	---	1,830	---	---	---	---	---	---	53.7
	22-Aug-06	N		---	---	1.5	---	849	---	---	---	---	---	---	13.1
	24-Aug-06	N		---	---	<1	---	629	---	---	---	---	---	---	6.76
	29-Aug-06	N		---	---	<1	---	285	---	---	---	---	---	---	3.53
	05-Sep-06	N		231	---	<.5	<.5	168	---	---	---	---	---	---	3.76
	12-Sep-06	N		---	---	873	---	30.4	---	---	---	---	---	---	110
	19-Sep-06	N		---	---	260	---	30	---	---	---	---	---	---	11
	28-Sep-06	N		---	---	80.9	---	15.4	---	---	---	---	---	---	6.94
	28-Sep-06	FD		---	---	80.5	---	15.4	---	---	---	---	---	---	7.51
	03-Oct-06	N		<0.2	---	51.8	0.648	12.3	---	---	---	---	---	---	5.91
	17-Oct-06	N		---	---	20.5	---	6.1	---	---	---	---	---	---	6.7
	31-Oct-06	N		---	---	11.9	---	3.43	---	---	---	---	---	---	9.12
	07-Nov-06	N		---	---	10.7	<5	2,010	---	---	---	---	---	---	206
	14-Nov-06	N		---	---	<5	---	757	---	---	---	---	---	---	35.6
	14-Nov-06	FD		---	---	<5	---	761	---	---	---	---	---	---	35.4

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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-1D (cont)	21-Nov-06	N		---	---	<5.00	---	362	---	---	---	---	---	---	12.1
	21-Nov-06	FD		---	---	<5.00	---	351	---	---	---	---	---	---	8.66
	28-Nov-06	N		---	---	0.99	---	185	---	---	---	---	---	---	7.09
	28-Nov-06	FD		---	---	1.02	---	183	---	---	---	---	---	---	6.64
	05-Dec-06	N		---	---	0.577	0.694	70.9	0.61	<.1	---	---	---	728	8.83
	18-Dec-06	N		---	---	0.571	---	56.7	---	---	---	---	---	---	3.84
	18-Dec-06	FD		---	---	0.568	---	56	---	---	---	---	---	---	3.89
	02-Jan-07	N		29.8	---	1.23	0.761	25	---	---	---	---	---	---	1.86
	15-Jan-07	N		---	---	1.31	---	14.2	---	---	---	---	---	---	1.74
	29-Jan-07	N		---	---	<.5	---	10.4	---	---	---	---	---	---	2.52
	29-Jan-07	FD		---	---	<.5	---	10.8	---	---	---	---	---	---	1.96
	06-Feb-07	N		138	---	<.5	0.741	6.51	---	---	---	---	---	---	1.02
	06-Mar-07	N		164	---	<.5	0.592	2.67	---	---	---	---	---	---	1.08
	04-Apr-07	N		168	---	<.5	<.5	2.52	---	---	---	---	---	---	<1
	01-May-07	N		84	---	<.5	0.712	2.63	---	---	---	---	---	---	1.05
	15-May-07	N		---	---	306	---	ND	---	---	---	---	---	---	776
	22-May-07	N		---	---	128	---	2.89	---	---	---	---	---	---	227
	30-May-07	**N**		**---**	**---**	**73.4**	**---**	**1.85**	**---**	**---**	**---**	**---**	**---**	**---**	**72.3**
	05-Jun-07	**N**		**<0.2**	**---**	**38.7**	**<.5**	**1.03**	**---**	**---**	**---**	**---**	**---**	**---**	**38.8**
	11-Jun-07	**N**		**---**	**---**	**29.9**	**---**	**0.845**	**---**	**---**	**---**	**---**	**---**	**---**	**19.8**

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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)
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
	17-Jul-06	N		97	96.2	<1	1.11	ND	<.5	1.11	<500	<500	10.7	772	4.16
	07-Aug-06	N		100	98.6	<.5	<.5	ND	<.5	<.1	<500	<500	10.5	699	8.83
	07-Aug-06	FD		104	100	<.5	0.868	ND	<.5	<.1	<500	<500	10.7	692	4.58
	06-Sep-06	N		94.5	102	<.5	<.5	ND	<.5	<.1	<500	<500	11	751	3.23
	03-Oct-06	N		90.2	93.6	<0.5	0.624	ND	<0.5	<0.1	<500	<5000	11.6	683	8.57
	03-Oct-06	FD		95.8	96.2	<0.5	0.615	ND	<0.5	<0.1	<500	<5000	11.4	717	6.28
	07-Nov-06	N		96.6	87.8	<.5	<.5	ND	<.5	<.1	<500	<500	10.6	709	11.6
	06-Dec-06	N		99.9	101	<.5	0.658	ND	<.5	<.1	<500	<500	10.4	651	22.7
	02-Jan-07	N		85.8	91.2	<.5	0.707	ND	<.5	<.1	<500	<500	8.94	681	2.34
	06-Feb-07	N		82.1	94.3	<.5	<.5	ND	<.5	<.1	<500	<500	7.43	722	2.11
	06-Feb-07	FD		79.8	94.5	<.5	<.5	ND	<.5	<.1	<500	<500	7.49	718	2.1
	06-Mar-07	N		78.9	74.1	<.5	0.621	ND	<.5	<.1	<500	<500	5.62	725	2.4
	04-Apr-07	N		64.4	63.9	<.5	0.602	ND	<.5	<.1	<500	<500	5.68	660	2.06
	04-Apr-07	FD		67.7	62.6	<.5	0.597	ND	<.5	<.1	<500	<500	5.53	657	2.15
	01-May-07	N		60.6	60.7	<.5	0.65	ND	<.5	<.1	<500	<500	5.87	700	2.23
	05-Jun-07	**N**		**67.1**	**51.8**	**<.5**	**0.57**	**ND**	**<.5**	**<.5**	**<500**	**---**	**<5**	**637**	**2.27**

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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)
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
	19-Jul-06	N		802	785	7.09	0.55	ND	1.34	<.5	<500	<500	<5	483	2.88
	07-Aug-06	N		943	797	2.51	0.791	ND	1.79	<.1	<500	<500	<5	433	6.62
	14-Aug-06	N		---	---	5.29	---	ND	---	---	---	---	---	---	6.29
	17-Aug-06	N		---	---	3.9	---	ND	---	---	---	---	---	---	1.27
	22-Aug-06	N		---	---	4.56	---	ND	---	---	---	---	---	---	1.2
	24-Aug-06	N		---	---	3.88	---	ND	---	---	---	---	---	---	8.17
	29-Aug-06	N		---	---	4.02	---	ND	---	---	---	---	---	---	1.94
	06-Sep-06	N		780	813	2.83	<.5	ND	2.34	<.1	<500	<500	<5	398	1.81
	12-Sep-06	N		---	---	1.76	---	ND	---	---	---	---	---	---	2.13
	19-Sep-06	N		---	---	2.56	---	0.114	---	---	---	---	---	---	5.42
	28-Sep-06	N		---	---	2.56	---	ND	---	---	---	---	---	---	3.12
	04-Oct-06	N		733	738	1.41	0.921	ND	1.21	<.1	<500	<500	<5	491	2.41
	17-Oct-06	N		---	---	<.5	---	0.058	---	---	---	---	---	---	6.48
	31-Oct-06	N		---	---	2.57	---	0.093	---	---	---	---	---	---	4.46
	08-Nov-06	N		619	605	7.12	1.19	ND	1.23	<.1	<500	<500	<5	487	4.72
	14-Nov-06	N		---	---	6.42	---	ND	---	---	---	---	---	---	6.77
	21-Nov-06	N		---	---	2.53	---	0.011	---	---	---	---	---	---	3.44
	28-Nov-06	N		---	---	2.48	---	0.783	---	---	---	---	---	---	3.75
	06-Dec-06	N		739	900	6.3	1.12	ND	1.38	<.1	<500	<500	<5.0	411	12.4
	18-Dec-06	N		---	---	1.65	---	ND	---	---	---	---	---	---	<1
	02-Jan-07	N		629	513	1.6	0.663	---	2.59	<.1	<500	<500	<5	315	1.02
	15-Jan-07	N		---	---	1.72	---	0.531	---	---	---	---	---	---	1.11
	15-Jan-07	FD		---	---	2.01	---	0.534	---	---	---	---	---	---	<1
	29-Jan-07	N		---	---	2.08	---	0.351	---	---	---	---	---	---	1.08
	06-Feb-07	N		467	441	1.77	1.23	0.356	2.27	<.1	<500	<500	<5	388	<1
	06-Mar-07	N		412	405	1.21	0.93	0.054	1.06	<.1	<500	<500	<5	520	1.19
	05-Apr-07	N		428	320	1.32	0.756	0.217	1.69	<.1	<500	<500	<5	342	<1
	01-May-07	N		328	323	0.865	0.769	0.236	0.84	<.2	<500	<500	<5	529	<1
	16-May-07	N		---	---	1.28	---	0.186	---	---	---	---	---	---	<1
	22-May-07	N		---	---	<.5	---	0.261	---	---	---	---	---	---	2.24
	30-May-07	**N**		**---**	**---**	**<.5**	**---**	**0.259**	**---**	**---**	**---**	**---**	**---**	**---**	**<1**
	05-Jun-07	**N**		**290**	**267**	**1.07**	**0.532**	**0.043**	**2.21**	**<.5**	**<500**	**<500**	**<5**	**277**	**1.02**
	11-Jun-07	**N**		**---**	**---**	**<0.5**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**2.17**

Table 3
Summary of Primary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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)
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
	19-Jul-06	N		2,440	2,360	<1	1	ND	3.89	<.5	<500	<500	<5	637	3
	07-Aug-06	N		2,600	2,580	5.86	0.849	ND	4.08	<.1	<500	<500	<5	599	5.26
	14-Aug-06	N		---	---	6.23	---	ND	---	---	---	---	---	---	3.31
	17-Aug-06	N		---	---	6.31	---	ND	---	---	---	---	---	---	1.41
	22-Aug-06	N		---	---	6.43	---	ND	---	---	---	---	---	---	1.4
	24-Aug-06	N		---	---	6.21	---	0.288	---	---	---	---	---	---	8.22
	29-Aug-06	N		---	---	6.33	---	0.085	---	---	---	---	---	---	2.08
	06-Sep-06	N		2,570	2,620	6.1	<1	ND	3.94	<.2	<500	<500	<5	656	2.05
	12-Sep-06	N		---	---	5.19	---	ND	---	---	---	---	---	---	2.43
	19-Sep-06	N		---	---	5.57	---	0.179	---	---	---	---	---	---	4.88
	28-Sep-06	N		---	---	5.8	---	ND	---	---	---	---	---	---	5.07
	04-Oct-06	N		2,350	2,920	6.86	<1	ND	5.21	<.2	<500	<500	<5	577	3.67
	17-Oct-06	N		---	---	<1.0	---	ND	---	---	---	---	---	---	6.18
	31-Oct-06	N		---	---	8.01	---	ND	---	---	---	---	---	---	10.4
	08-Nov-06	N		2,600	2,330	7.08	0.882	ND	4.24	<.1	<500	<500	<5	629	4.11
	14-Nov-06	N		---	---	7.52	---	ND	---	---	---	---	---	---	6.34
	21-Nov-06	N		---	---	7.02	---	ND	---	---	---	---	---	---	2.54
	28-Nov-06	N		---	---	7.12	---	0.029	---	---	---	---	---	---	3.48
	06-Dec-06	N		2,690	2,570	7.01	0.853	ND	4.29	<.1	<500	<500	<5.0	582	8.43
	18-Dec-06	N		---	---	7.18	---	ND	---	---	---	---	---	---	1.47
	02-Jan-07	N		2,480	2,450	6.44	0.915	0.024	4.37	<.1	<500	<500	<5	601	1.15
	15-Jan-07	N		---	---	6.25	---	0.018	---	---	---	---	---	---	1.12
	29-Jan-07	N		---	---	6.69	---	0.037	---	---	---	---	---	---	1.29
	06-Feb-07	N		2,410	2,560	6.5	0.849	0.057	4.79	<.1	<500	<500	<5	666	<1
	06-Mar-07	N		2,470	2,260	6.21	0.825	0.05	4.66	<.1	<500	<500	<5	669	1.23
	05-Apr-07	N		2,110	2,090	5.73	0.712	0.078	4.1	<.1	<500	<500	<5	651	<1
	01-May-07	N		1,610	2,060	5.11	0.795	0.074	4.11	<.2	<500	<500	<5	654	1.11
	01-May-07	FD		2,120	2,020	5.07	0.795	0.08	4.12	<.2	<500	<500	<5	651	1.13
	15-May-07	N		---	---	5.2	---	4.1	---	---	---	---	---	---	1.12
	22-May-07	N		---	---	5.22	---	0.059	---	---	---	---	---	---	<1
	22-May-07	FD		---	---	<.5	---	0.068	---	---	---	---	---	---	1.08
	30-May-07	**N**		**---**	**---**	**<.5**	**---**	**0.077**	**---**	**---**	**---**	**---**	**---**	**---**	**<1**
	05-Jun-07	**N**		**2,040**	**1,960**	**4.57**	**0.694**	**0.062**	**3.94**	**<.5**	**<500**	**<500**	**<5**	**596**	**1.21**
	11-Jun-07	**N**		**---**	**---**	**4.74**	**---**	**0.054**	**---**	**---**	**---**	**---**	**---**	**---**	**1.14**

Table 3
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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)
INJ_SOLUTION_01	04-May-06	N		---	---	---	---	5,620	---	---	---	---	---	---	265
	05-May-06	N		---	---	---	<5	---	---	---	---	---	---	---	---
INJ_SOLUTION_02	05-May-06	N		---	---	---	1,790	---	---	---	---	---	---	---	276
INJ_SOLUTION_03	06-May-06	N		---	---	1,960	---	---	---	---	---	---	---	---	258
	11-Aug-06	N		---	---	<5	---	5,140	---	---	---	---	---	---	459
	07-Sep-06	N		<0.2	---	1,670	---	---	---	---	---	---	---	---	466
	01-Nov-06	N		<0.2	---	---	---	4,440	---	---	---	---	---	---	---
	08-May-07	N		<0.2	---	580	---	0.341	---	---	---	---	---	---	1,980
Make_Up_Water	05-May-06	N		---	---	<1	<.5	---	---	---	---	---	---	---	---
Field Blank	17-Mar-06	FB		<0.2	<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
	17-Jul-06	FB		<0.2	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	2.51
	07-Aug-06	FB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	5.16
	14-Aug-06	FB		---	---	<.5	---	ND	---	---	---	---	---	---	4.04
	21-Aug-06	FB		---	---	<.5	---	0.033	---	---	---	---	---	---	1.08
	29-Aug-06	FB		---	---	<.5	---	ND	---	---	---	---	---	---	1.49
	06-Sep-06	FB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	4.47	1.85
	12-Sep-06	FB		---	---	<.5	---	ND	---	---	---	---	---	---	1.69
	19-Sep-06	FB		---	---	<.5	---	ND	---	---	---	---	---	---	4.04
	28-Sep-06	FB		---	---	<.5	---	ND	---	---	---	---	---	---	5.13
	03-Oct-06	FB		<0.2	<1	<0.5	<0.5	ND	<0.5	<0.1	<500	<500	<5	<0.5	7.03
	17-Oct-06	FB		---	---	<.5	---	ND	---	---	---	---	---	---	4.51
	31-Oct-06	FB		---	---	<.5	---	0.298	---	---	---	---	---	---	7.78
	07-Nov-06	FB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	14-Nov-06	FB		---	---	<.5	---	ND	---	---	---	---	---	---	1.05
	21-Nov-06	FB		---	---	<0.50	---	ND	---	---	---	---	---	---	<1.00
	28-Nov-06	FB		---	---	<.5	---	ND	---	---	---	---	---	---	<1
	05-Dec-06	FB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<0.500	<1
	18-Dec-06	FB		---	---	<.5	---	ND	---	---	---	---	---	---	1.06

Table 3
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PG&E Topock
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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 (cont)	03-Jan-07	FB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	15-Jan-07	FB		---	---	<.5	---	ND	---	---	---	---	---	---	<1
	29-Jan-07	FB		---	---	<.5	---	ND	---	---	---	---	---	---	<1
	06-Feb-07	FB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	0.784	<1
	06-Mar-07	FB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	04-Apr-07	FB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	01-May-07	FB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	15-May-07	FB		---	---	<.5	---	ND	---	---	---	---	---	---	<1
	22-May-07	FB		---	---	<.5	---	ND	---	---	---	---	---	---	<1
	30-May-07	**FB**		**---**	**---**	**<.5**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**1.28**
	05-Jun-07	**FB**		**<0.2**	**<1**	**<.5**	**<.5**	**ND**	**<.5**	**<.1**	**<500**	**<500**	**<5**	**<.5**	**<1**
	11-Jun-07	**FB**		**---**	**---**	**<0.5**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**<1**
Equipment Blank	17-Mar-06	EB		<0.2	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
	17-Jul-06	EB		<0.2	<1	<1	<.5	ND	<.5	<.1	<500	<500	<5	<.5	2.95
	07-Aug-06	EB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	0.539	3.84
	14-Aug-06	EB		---	---	<.5	---	ND	---	---	---	---	---	---	4.45
	21-Aug-06	EB		---	---	<.5	---	ND	---	---	---	---	---	---	1.11
	29-Aug-06	EB		---	---	<.5	---	ND	---	---	---	---	---	---	1.57
	06-Sep-06	EB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	4.11	<1
	12-Sep-06	EB		---	---	<.5	---	ND	---	---	---	---	---	---	2.03
	19-Sep-06	EB		---	---	<.5	---	---	---	---	---	---	---	---	4.38
	28-Sep-06	EB		---	---	<.5	---	ND	---	---	---	---	---	---	4.95
	04-Oct-06	EB		<0.2	7.26	<.5	<.5	ND	<.5	<.1	<500	<500	<5	2.39	2.24
	17-Oct-06	EB		---	---	<.5	---	---	---	---	---	---	---	---	3.2
	31-Oct-06	EB		---	---	<.5	---	ND	---	---	---	---	---	---	7.47
	07-Nov-06	EB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1

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)
Equipment Blank (cont)	14-Nov-06	EB		---	---	<.5	---	ND	---	---	---	---	---	---	<1
	21-Nov-06	EB		---	---	<0.50	---	ND	---	---	---	---	---	---	<1.00
	28-Nov-06	EB		---	---	<.5	---	0.016	---	---	---	---	---	---	<1
	06-Dec-06	EB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	7.14
	18-Dec-06	EB		---	---	<.5	---	ND	---	---	---	---	---	---	<1
	03-Jan-07	EB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	15-Jan-07	EB		---	---	<.5	---	ND	---	---	---	---	---	---	<1
	29-Jan-07	EB		---	---	<.5	---	ND	---	---	---	---	---	---	<1
	06-Feb-07	EB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	0.683	<1
	06-Mar-07	EB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	04-Apr-07	EB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	01-May-07	EB		<0.2	<1	<.5	<.5	ND	<.5	<.1	<500	<500	<5	<.5	<1
	15-May-07	EB		---	---	<.5	---	0.074	---	---	---	---	---	---	<1
	22-May-07	EB		---	---	<.5	---	ND	---	---	---	---	---	---	<1
	30-May-07	**EB**		**---**	**---**	**<.5**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**<1**
	05-Jun-07	**EB**		**<0.2**	**<1**	**<.5**	**<.5**	**ND**	**<.5**	**<.1**	**<500**	**<500**	**<5**	**<.5**	**<1**
	11-Jun-07	**EB**		**---**	**---**	**<0.5**	**---**	**ND**	**---**	**---**	**---**	**---**	**---**	**---**	**<1**

Notes appear on the following page.

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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)

Notes:
Most recent data indicated in **BOLD**

ft bgs	Feet below ground surface
mg/L	Milligrams per liter
µg/L	Micrograms per liter
ppb	Parts per billion
<	Symbol indicates not detected at or above laboratory detection limit as noted
N	Normal
EB	Equipment blank
FB	Field blank
FD	Field duplicate
J	Reported value is estimated
J/HD	Sample analyzed beyond USEPA-recommended holding time. Results may still be used for their intended purpose.
NA	Not applicable
ND	Not detected
Nitrate-N	Nitrate as Nitrogen
Nitrite-N	Nitrite as Nitrogen
---	Not analyzed/Not available
USEPA	United States Environmental Protection Agency

Table 4
Summary of Secondary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-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	---
	18-Jul-06	N		277,000	76,700	7.51	14,000	1,080,000	424	<5	1,570	<.5	<2	4,000
	08-Aug-06	N		328,000	107,000	9.3	16,300	1,190,000	464	<5	2,170	<.5	<2	4,430
	06-Sep-06	N		312,000	80,400	18.2	16,700	1,030,000	475	<5	1,990	<.5	<2	3,830
	04-Oct-06	N		327,000	92,900	9.27	15,300	1,210,000	445	<5	2,110	<.5	<2	4,080
	08-Nov-06	N		396,000	152,000	12.2	17,300	1,410,000	515	<5	2,960	<.5	<2	5,170
	05-Dec-06	N		432,000	181,000	14.6	17,500	1,530,000	570	<5	3,120	<2.5	<2.0	5,410
	03-Jan-07	N		381,000	151,000	12.3	15,400	1,350,000	485	<5	2,830	<2.5	<2	5,260
	07-Feb-07	N		297,000	114,000	12.6	13,900	1,060,000	410	<5	2,260	<.5	<2	4,110
	07-Mar-07	N		265,000	76,200	8.28	12,600	1,010,000	350	<5	1,920	<.5	3.2	3,450
	05-Apr-07	N		261,000	81,400	12.3	13,100	1,030,000	360	<5	1,890	<.5	<2	3,680
	02-May-07	N		253,000	88,000	14.2	12,400	1,070,000	428	<5	2,030	<.5	<2	3,550
	06-Jun-07	**N**		**280,000**	**79,700**	**13.1**	**13,000**	**1,160,000**	**415**	**<5**	**1,880**	**<.5**	**2**	**3,740**

Table 4
Summary of Secondary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-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	---
	18-Jul-06	N		235,000	38,700	5.53	12,600	1,350,000	197	<5	1,730	<.5	<2	4,130
	08-Aug-06	N		218,000	37,900	5.49	12,100	1,230,000	209	<5	1,870	<.5	<2	4,120
	06-Sep-06	N		230,000	40,200	5.96	13,300	1,320,000	239	<5	1,840	<.5	<2	3,920
	04-Oct-06	N		215,000	33,400	6.06	12,700	1,330,000	205	<5	1,890	<.5	<2	3,940
	08-Nov-06	N		203,000	34,800	5.9	11,800	1,220,000	225	<5	1,740	<.5	<2	3,810
	05-Dec-06	N		205,000	35,400	5.13	11,500	1,170,000	233	<5	1,760	<.5	<2.0	3,740
	03-Jan-07	N		187,000	32,600	5.07	11,100	1,170,000	230	<5	1,740	<.5	<2	3,680
	03-Jan-07	FD		190,000	33,500	5.21	11,100	1,190,000	230	<5	1,750	<.5	<2	3,660
	07-Feb-07	N		177,000	32,500	<5	10,500	996,000	233	<5	1,690	<.5	<2	3,580
	06-Mar-07	N		178,000	30,400	<5	10,600	1,110,000	245	<5	1,320	<.5	<2	3,430
	05-Apr-07	N		170,000	29,900	<5	11,000	1,110,000	228	<5	1,650	<.5	<2	3,570
	02-May-07	N		158,000	30,700	<5	9,780	1,070,000	235	<5	1,660	<.5	<2	3,320
	06-Jun-07	**N**		**180,000**	**29,000**	**<5**	**10,500**	**1,190,000**	**230**	**<5**	**1,560**	**<.5**	**<2**	**3,360**

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)
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	---
	17-Jul-06	N		287,000	21,500	<5	36,200	2,500,000	109	<5	3,160	<.5	<2	7,010
	08-Aug-06	N		264,000	21,000	<5	36,700	2,410,000	110	<5	3,350	<.5	<2	6,860
	05-Sep-06	N		178,000	14,600	6.23	28,900	2,180,000	126	<5	2,810	<1	<2	5,540
	04-Oct-06	N		153,000	13,700	8.99	28,700	1,980,000	110	<5	2,670	<.5	<2	5,710
	08-Nov-06	N		145,000	13,600	10.5	34,100	1,920,000	338	<5	2,770	<5	<2	5,580
	05-Dec-06	N		130,000	12,300	11.2	32,300	1,910,000	163	<5	2,870	<2.5	<2.0	5,060
	03-Jan-07	N		168,000	17,500	5.91	39,700	2,180,000	90	<5	3,210	<1	<2	6,130
	07-Feb-07	N		191,000	21,200	5.76	43,100	2,100,000	97.5	<5	3,500	<.5	<2	6,750
	06-Mar-07	N		220,000	27,300	5.52	47,000	2,350,000	115	<5	2,960	<.5	<2	6,630
	05-Apr-07	N		218,000	22,700	5.66	52,400	2,470,000	92.5	<5	3,470	<.5	<2	6,760
	02-May-07	N		194,000	21,500	5.55	45,000	2,370,000	100	<5	3,520	<.5	<2	6,900
	06-Jun-07	**N**		**115,000**	**12,200**	**12.5**	**35,100**	**2,080,000**	**620**	**<5**	**2,540**	**<.5**	**<2**	**5,870**

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)
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	---
	18-Jul-06	N		336,000	103,000	6.66	10,500	1,040,000	646	<5	1,740	<.5	<2	4,230
	08-Aug-06	N		353,000	110,000	8.48	10,900	1,040,000	574	<5	1,960	<.5	<2	4,170
	06-Sep-06	N		335,000	113,000	7.21	11,500	1,060,000	667	<5	1,940	<.5	<2	4,020
	04-Oct-06	N		360,000	102,000	5.97	11,400	1,050,000	610	<5	1,890	<.5	<2	3,770
	08-Nov-06	N		418,000	131,000	<5	11,700	1,100,000	640	<5	2,200	<.5	<2	4,430
	05-Dec-06	N		268,000	50,700	<5	13,000	1,220,000	265	<5	1,930	<.5	<2.0	3,660
	03-Jan-07	N		368,000	116,000	<5	10,800	1,050,000	660	<5	1,970	<1	<2	3,900
	07-Feb-07	N		361,000	121,000	<5	10,500	890,000	605	<5	1,970	<.5	<2	3,900
	07-Mar-07	N		357,000	116,000	<5	10,300	941,000	650	<5	2,060	<.5	<2	3,660
	05-Apr-07	N		394,000	124,000	5.5	11,300	959,000	700	<5	2,020	<.5	<2	3,820
	02-May-07	N		370,000	133,000	<5	10,400	956,000	710	<5	1,980	<.5	<2	3,700
	06-Jun-07	**N**		**374,000**	**115,000**	**<5**	**10,900**	**1,040,000**	**695**	**<5**	**1,950**	**<.5**	**16**	**4,160**
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	---
	07-Jun-06	N		220,000	36,500	<5	12,600	1,360,000	212	<5	2,020	<.5	<2	---
	18-Jul-06	N		221,000	35,900	<5	11,900	1,320,000	237	<5	1,870	<.5	<2	4,050
	08-Aug-06	N		218,000	36,200	<5	11,900	1,280,000	228	<5	1,810	<.5	<2	3,920
	06-Sep-06	N		225,000	38,400	<5	13,200	1,280,000	241	<5	1,810	<.5	<2	3,820
	04-Oct-06	N		231,000	36,600	<5	12,900	1,270,000	225	<5	1,850	<.5	<2	3,090
	08-Nov-06	N		232,000	42,500	<5	12,000	1,210,000	248	<5	1,830	<.5	<2	3,740
	05-Dec-06	N		263,000	50,400	<5	12,500	1,130,000	248	<5	1,850	<.5	<2.0	3,850
	03-Jan-07	N		209,000	31,900	<5	18,300	1,630,000	245	<5	1,740	<.5	<2	3,730
	07-Feb-07	N		204,000	39,900	<5	11,900	1,060,000	230	<5	1,720	<.5	<2	3,470
	07-Mar-07	N		186,000	33,900	<5	10,300	1,060,000	210	<5	1,730	<.5	<2	3,380
	05-Apr-07	N		182,000	34,200	<5	10,900	1,100,000	248	<5	1,650	<.5	<2	3,390
	02-May-07	N		161,000	32,400	<5	10,000	1,080,000	255	<5	1,620	<.5	<2	3,290
	06-Jun-07	**N**		**168,000**	**29,200**	**<5**	**10,500**	**1,200,000**	**235**	**<5**	**1,540**	**<.5**	**2**	**3,280**

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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-2D	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	---
	07-Jun-06	N		231,000	18,100	5.36	21,700	2,310,000	154	<5	3,120	<.5	<2	---
	17-Jul-06	N		261,000	20,300	<5	22,800	2,320,000	102	<5	3,300	<.5	<2	7,090
	07-Aug-06	N		266,000	21,600	<5	23,600	2,460,000	99.2	<5	3,550	<.5	<2	7,190
	06-Sep-06	N		227,000	18,900	5.34	24,300	2,300,000	134	<5	2,980	<1	<2	6,000
	04-Oct-06	N		157,000	11,700	<5	21,000	2,010,000	150	<5	2,730	<2.5	<2	5,600
	08-Nov-06	N		186,000	15,500	<5	23,500	2,150,000	115	<5	3,080	<2.5	<2	6,090
	05-Dec-06	N		174,000	14,000	<5	22,400	2,160,000	258	<5	2,710	<2.5	<2.0	5,760
	03-Jan-07	N		179,000	16,300	<5	23,900	2,150,000	100	<5	3,250	<.5	<2	6,290
	07-Feb-07	N		236,000	23,700	<5	29,900	2,350,000	65	<5	3,830	<.5	<2	6,900
	07-Mar-07	N		256,000	23,800	<5	32,800	2,500,000	72.5	<5	4,040	<.5	<2	7,230
	05-Apr-07	N		262,000	24,800	<5	36,000	2,570,000	72.5	<5	4,050	<.5	<2	7,410
	02-May-07	N		223,000	24,200	<5	32,200	2,440,000	85	<5	3,850	<.5	<2	6,370
	06-Jun-07	**N**		**121,000**	**13,600**	**12.8**	**26,400**	**2,200,000**	**715**	**<5**	**2,600**	**<.5**	**<2**	**5,970**

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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-3S	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	---
	19-Jul-06	N		181,000	59,300	8.6	12,100	1,010,000	507	<5	1,530	<.5	<2	3,470
	08-Aug-06	N		203,000	64,100	8.97	14,100	1,040,000	477	<5	1,620	<.5	<2	3,560
	06-Sep-06	N		227,000	71,600	8.21	17,700	1,080,000	480	<5	1,750	<.5	<2	3,430
	04-Oct-06	N		232,000	64,600	7.91	17,800	1,120,000	410	<5	1,710	<2.5	<2	3,470
	08-Nov-06	N		230,000	72,100	7.24	16,200	1,070,000	423	<5	1,860	<.5	<2	3,620
	05-Dec-06	N		225,000	67,100	7.07	15,900	1,070,000	473	<5	1,810	<.5	<2.0	3,610
	03-Jan-07	N		235,000	73,200	7	15,600	1,050,000	463	<5	1,890	<1	<2	3,530
	07-Feb-07	N		236,000	76,600	6.65	14,500	975,000	430	<5	1,950	<.5	<2	3,570
	07-Mar-07	N		239,000	69,400	6.53	13,900	1,010,000	460	<5	1,980	<.5	3.2	3,410
	07-Mar-07	FD		242,000	70,500	7.26	14,100	1,020,000	460	<5	1,990	<.5	3.2	3,480
	05-Apr-07	N		227,000	69,600	5.76	13,600	1,020,000	473	<5	1,900	<.5	<2	3,510
	02-May-07	N		223,000	73,200	6.63	12,500	1,040,000	510	<5	1,820	<.5	<2	3,510
	06-Jun-07	**N**		**257,000**	**68,800**	**6**	**13,700**	**1,150,000**	**525**	**<5**	**1,820**	**<.5**	**2**	**3,590**

Table 4
Summary of Secondary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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	---
	19-Jul-06	N		177,000	26,400	<5	12,600	1,370,000	180	<5	1,930	<.5	<2	4,230
	08-Aug-06	N		182,000	26,400	<5	13,100	1,430,000	193	<5	1,770	<.5	<2	4,190
	06-Sep-06	N		178,000	26,100	<5	13,200	1,400,000	209	<5	1,860	<.5	<2	3,970
	04-Oct-06	N		170,000	22,300	<5	12,900	1,470,000	203	<5	1,820	<.5	<2	3,830
	08-Nov-06	N		226,000	70,100	6.97	16,000	1,040,000	438	<5	1,950	<.5	<2	3,610
	05-Dec-06	N		149,000	20,900	<5	11,100	1,310,000	143	<5	3,430	<.5	<2.0	5,890
	03-Jan-07	N		139,000	20,800	<5	10,600	1,190,000	213	<5	1,630	<.5	<2	3,510
	07-Feb-07	N		134,000	20,400	<5	10,300	1,090,000	190	<5	1,580	<.5	<2	3,380
	06-Mar-07	N		131,000	18,400	<5	10,000	1,150,000	228	<5	1,630	<.5	<2	3,240
	04-Apr-07	N		126,000	19,000	<5	10,100	1,130,000	225	<5	1,470	<.5	<2	3,450
	02-May-07	N		122,000	18,600	<5	9,560	1,110,000	230	<5	1,530	<.5	<2	3,270
	06-Jun-07	**N**		**139,000**	**18,700**	**<5**	**10,200**	**1,230,000**	**230**	**<5**	**1,530**	**<.5**	**<2**	**3,480**

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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)
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	---
	17-Jul-06	N		258,000	16,500	5.03	22,200	2,740,000	99.3	<5	2,550	<.5	<2	7,550
	17-Jul-06	FD		256,000	16,200	<5	22,000	2,690,000	99.3	<5	3,480	<.5	<2	7,400
	08-Aug-06	N		241,000	16,200	<5	21,500	2,700,000	93.8	<5	3,510	<.5	<2	7,240
	05-Sep-06	N		236,000	16,800	5.66	22,600	2,890,000	100	<5	3,460	<10	<2	7,290
	04-Oct-06	N		237,000	14,500	5.45	22,400	2,800,000	97.5	<5	3,820	<1	<2	7,580
	08-Nov-06	N		204,000	14,700	8.8	19,800	2,720,000	138	<5	3,910	<5	<2	7,220
	05-Dec-06	N		251,000	14,000	6.05	23,200	3,360,000	67.5	<5	4,110	<1	<2.0	8,650
	03-Jan-07	N		242,000	16,000	6.82	22,300	2,950,000	70	<5	4,200	<.5	<2	8,040
	07-Feb-07	N		234,000	16,200	6.2	21,200	2,730,000	27.5	<5	4,400	<.5	<2	7,690
	06-Mar-07	N		244,000	16,000	5.52	21,200	2,800,000	85	<5	4,360	<.5	<2	8,270
	05-Apr-07	N		242,000	16,200	5.79	21,200	2,760,000	87.5	<5	4,060	<.5	<2	7,940
	02-May-07	N		211,000	15,200	5.72	19,000	2,580,000	87.5	<5	4,180	<.5	<2	7,540
	06-Jun-07	**N**		**200,000**	**13,100**	**8.25**	**18,900**	**2,660,000**	**155**	**<5**	**3,420**	**<.5**	**<2**	**6,920**
	06-Jun-07	**FD**		**201,000**	**13,300**	**8.22**	**19,200**	**2,690,000**	**160**	**<5**	**3,510**	**<.5**	**<2**	**6,890**

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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-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	---
	19-Jul-06	N		260,000	59,100	8.44	12,300	1,250,000	208	<5	1,970	<.5	<2	4,600
	08-Aug-06	N		264,000	60,800	9.45	11,900	1,260,000	201	<5	1,960	<.5	<2	4,240
	06-Sep-06	N		269,000	61,700	8.91	13,100	1,300,000	222	<5	2,080	<.5	<2	4,260
	06-Sep-06	FD		275,000	63,600	9.67	13,400	1,320,000	207	<5	2,120	<.5	<2	4,370
	04-Oct-06	N		267,000	55,300	9.38	12,700	1,370,000	220	<5	2,110	<.5	<2	4,280
	08-Nov-06	N		265,000	60,200	9.64	11,600	1,280,000	215	<5	2,260	<.5	<2	4,420
	05-Dec-06	N		244,000	53,600	9.43	11,000	1,250,000	238	<5	1,980	<.5	<2.0	3,880
	03-Jan-07	N		242,000	53,200	9.19	10,900	1,240,000	230	<5	1,960	<.5	<2	4,220
	07-Feb-07	N		233,000	53,800	9.12	10,900	1,230,000	225	<5	2,000	<.5	<2	4,070
	07-Mar-07	N		221,000	45,500	6.88	10,200	1,160,000	118	<5	1,950	<.5	<2	3,740
	05-Apr-07	N		208,000	44,300	6.94	10,400	1,163,000	245	<5	1,930	<.5	<2	3,750
	02-May-07	N		189,000	40,800	7.45	9,450	1,130,000	280	<5	1,820	<.5	<2	3,570
	06-Jun-07	**N**		**209,000**	**38,600**	**7.29**	**10,200**	**1,240,000**	**265**	**<5**	**1,710**	**<.5**	**<2**	**3,840**

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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-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	---
	19-Jul-06	N		170,000	26,700	<5	13,300	1,370,000	188	<5	1,870	<.5	<2	4,290
	08-Aug-06	N		166,000	25,000	<5	13,200	1,390,000	188	<5	1,830	<.5	<2	4,100
	06-Sep-06	N		176,000	27,100	<5	14,300	1,440,000	207	<5	1,940	<.5	<2	3,900
	04-Oct-06	N		162,000	22,700	<5	13,600	1,400,000	210	<5	1,800	<.5	<2	3,980
	08-Nov-06	N		137,000	21,300	<5	10,800	1,280,000	215	<5	1,660	<.5	<2	3,700
	05-Dec-06	N		133,000	19,300	<5	11,200	1,210,000	233	<5	1,560	<.5	<2.0	9,360
	03-Jan-07	N		123,000	18,500	<5	10,600	1,130,000	240	<5	1,530	<.5	<2	3,490
	07-Feb-07	N		119,000	19,700	<5	10,400	1,080,000	230	<5	1,480	<.5	<2	3,310
	07-Mar-07	N		114,000	17,000	<5	9,590	1,050,000	250	<5	1,440	<.5	<2	3,060
	04-Apr-07	N		105,000	16,800	<5	9,620	1,060,000	238	<5	1,330	<.5	<2	3,010
	02-May-07	N		101,000	16,600	<5	9,010	1,020,000	230	<5	1,380	<.5	<2	2,940
	06-Jun-07	**N**		**116,000**	**16,200**	**<5**	**10,200**	**1,170,000**	**230**	**<5**	**1,340**	**<.5**	**2**	**3,170**

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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-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	---
	19-Jul-06	N		341,000	20,800	5.44	25,800	3,230,000	71	<5	4,000	<.5	<2	8,770
	08-Aug-06	N		340,000	20,500	5.07	24,000	3,560,000	67	<5	4,230	<.5	<2	9,060
	06-Sep-06	N		336,000	19,600	5.41	25,600	3,130,000	63.8	<5	4,610	<.5	<2	8,710
	04-Oct-06	N		341,000	16,800	5.29	26,300	3,270,000	62.5	<5	4,630	<2.5	<2	8,770
	04-Oct-06	FD		353,000	17,500	5.66	26,900	3,560,000	65	<5	4,560	<2.5	<2	8,680
	08-Nov-06	N		311,000	18,700	5.44	24,100	3,080,000	57.5	<5	4,630	<2.5	<2	8,900
	05-Dec-06	N		299,000	16,600	5.33	24,700	3,560,000	50	<5	4,910	<2.5	<2.0	3,340
	03-Jan-07	N		340,000	17,800	5.91	24,800	3,380,000	52.5	<5	4,820	<2.5	<2	9,030
	07-Feb-07	N		328,000	19,200	5.48	24,400	3,230,000	55	<5	4,850	<.5	<2	9,070
	07-Mar-07	N		342,000	19,700	<5	24,900	3,230,000	75	<5	5,130	<.5	<2	8,990
	05-Apr-07	N		351,000	20,300	<5	25,100	3,322,000	62.5	<5	4,920	<.5	<2	9,120
	02-May-07	N		309,000	21,100	<5	23,300	3,160,000	72.5	<5	4,970	<.5	<2	9,090
	06-Jun-07	**N**		**373,000**	**20,500**	**<5**	**26,100**	**3,640,000**	**62.5**	**<5**	**4,850**	**<.5**	**<2**	**9,220**

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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	---
	19-Jul-06	N		386,000	84,300	12.7	13,800	1,450,000	375	<5	2,580	<.5	<2	5,460
	09-Aug-06	N		399,000	87,500	13.4	14,100	1,470,000	393	<5	2,670	<.5	<2	5,490
	08-Sep-06	N		427,000	99,100	14.3	15,600	1,540,000	421	<5	2,610	<.5	<2	5,090
	05-Oct-06	N		417,000	87,100	14.5	14,500	1,580,000	398	<5	2,880	<.5	<2	5,380
	09-Nov-06	N		392,000	85,100	15.3	13,300	1,440,000	395	<5	2,760	<.5	<2	5,680
	06-Dec-06	N		413,000	100,000	15.7	13,500	1,540,000	425	<5	2,700	<.5	<2	5,480
	06-Dec-06	FD		432,000	104,000	15.8	14,100	1,590,000	443	<5	2,720	<.5	<2	5,510
	04-Jan-07	N		430,000	111,000	17.1	14,900	1,540,000	433	<5	2,840	<.5	<2	5,500
	08-Feb-07	N		427,000	98,300	15.4	14,400	1,500,000	405	<5	2,760	<.5	<2	5,340
	08-Mar-07	N		397,000	85,900	15.3	13,400	1,500,000	418	<5	2,930	<.5	<2	5,490
	06-Apr-07	N		423,000	86,800	15.1	14,500	1,540,000	410	<5	2,740	<.5	<2	5,150
	03-May-07	N		385,000	88,900	14.6	13,700	1,520,000	408	<5	2,760	<.5	<2	5,690
	07-Jun-07	**N**		**428,000**	**89,700**	**16**	**14,200**	**1,660,000**	**385**	**<5**	**2,800**	**<0.5**	**<2**	**5,410**
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	---
	19-Jul-06	N		132,000	21,900	<5	9,330	1,030,000	276	<5	1,290	<.5	<2	2,940
	09-Aug-06	N		109,000	18,800	<5	8,700	905,000	266	<5	1,150	<.5	<2	2,830
	08-Sep-06	N		119,000	20,800	<5	9,720	995,000	311	<5	1,180	<.5	<2	2,780
	05-Oct-06	N		110,000	17,700	<5	9,030	9,590,000	265	<5	1,100	<.5	<2	2,660
	09-Nov-06	N		99,900	16,600	<5	8,170	870,000	255	<5	1,090	<.5	<2	2,620
	06-Dec-06	N		122,000	20,700	<.50	8,370	947,000	270	<5	1,160	<.5	<2	2,660
	04-Jan-07	N		143,000	24,400	<5	9,230	980,000	230	<5	1,270	<.5	<2	3,080
	08-Feb-07	N		148,000	25,100	<5	9,790	997,000	255	<5	1,430	<.5	<2	3,210
	07-Mar-07	N		157,000	25,600	<5	9,400	981,000	200	<5	1,500	<.5	<2	3,150
	06-Apr-07	N		155,000	25,900	<5	10,200	1,050,000	245	<5	1,410	<.5	<2	3,240
	03-May-07	N		151,000	25,500	<5	9,110	958,000	248	<5	1,300	<.5	<2	2,990
	07-Jun-07	**N**		**113,000**	**18,200**	**<5**	**7,600**	**836,000**	**263**	**<5**	**1,000**	**<0.5**	**2**	**2,510**

Table 4
Summary of Secondary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-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	---
	17-Jul-06	N		283,000	17,900	<5	23,100	2,980,000	96.7	<5	4,030	<.5	<2	8,150
	09-Aug-06	N		249,000	17,600	<5	22,100	2,690,000	82.7	<5	3,880	<1	<2	8,230
	08-Sep-06	N		275,000	18,600	<5	24,700	3,110,000	68.6	<5	4,300	<1	<2	8,580
	05-Oct-06	N		277,000	17,300	<5	24,000	3,040,000	87.5	<5	4,570	<1	<2	8,250
	09-Nov-06	N		262,000	16,600	5.46	22,700	2,970,000	70	<5	4,320	<2.5	<2	8,600
	06-Dec-06	N		296,000	15,700	<5	22,300	3,300,000	67.5	<5	4,500	<.5	<2	8,480
	04-Jan-07	N		324,000	20,700	5.14	24,300	3,400,000	75	<5	4,890	<1	<2	9,030
	08-Feb-07	N		319,000	17,700	<5	24,800	309,000	82.5	<5	4,740	<.5	<2	8,710
	08-Mar-07	N		344,000	21,600	<5	24,700	3,230,000	110	<5	4,810	<.5	<2	8,650
	05-Apr-07	N		333,000	20,600	<5	23,900	3,190,000	97.5	<5	4,540	<.5	<2	8,100
	03-May-07	N		307,000	21,700	<5	23,500	3,000,000	103	<5	4,170	<.5	<2	8,680
	07-Jun-07	**N**		**290,000**	**19,800**	**<5**	**23,700**	**2,960,000**	**92.5**	**<5**	**4,560**	**<0.5**	**<2**	**8,420**
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	---
	19-Jul-06	N		311,000	148,000	30.9	16,700	1,380,000	507	<5	2,520	<.5	<2	5,480
	09-Aug-06	N		318,000	165,000	27.6	17,400	1,440,000	474	<5	2,680	<.5	<2	5,500
	08-Sep-06	N		323,000	156,000	25.5	18,000	1,600,000	573	<5	2,940	<1	<2	5,560
	05-Oct-06	N		322,000	147,000	33.9	16,500	1,550,000	550	<5	2,890	<2.5	<2	5,170
	09-Nov-06	N		337,000	170,000	34	16,700	1,620,000	565	<5	3,200	<.5	2	6,200
	06-Dec-06	N		372,000	214,000	37	16,900	1,840,000	575	<5	<.5	<.5	<2	6,330
	04-Jan-07	N		382,000	206,000	39.6	17,900	1,900,000	575	<5	3,720	<1	<2	6,920
	08-Feb-07	N		353,000	192,000	36.1	17,300	1,700,000	585	<5	3,700	<.5	<2	7,090
	08-Mar-07	N		324,000	159,000	37.1	15,800	1,560,000	485	<5	3,040	<.5	<2	5,510
	06-Apr-07	N		279,000	118,000	29.2	14,100	1,280,000	500	<5	2,490	<.5	<2	4,560
	03-May-07	N		282,000	137,000	39.2	14,400	1,310,000	560	<5	2,570	<.5	<2	4,540
	07-Jun-07	**N**		**285,000**	**138,000**	**42.4**	**14,500**	**1,370,000**	**550**	**<5**	**2,550**	**<0.5**	**<2**	**4,540**

Table 4
Summary of Secondary Analytical Parameters
PG&E Topock
Needles, California
June 2007 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-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		---	---	---	---	---	---	---	---	---	<2	---
	06-Jun-06	N		228,000	38,700	<5	12,400	1,300,000	226	<5	2,080	<.5	<2	---
	19-Jul-06	N		212,000	36,800	<5	12,300	1,290,000	241	<5	1,730	<.5	<2	4,020
	09-Aug-06	N		188,000	35,300	<5	11,800	1,190,000	237	<5	1,660	<.5	<2	3,940
	08-Sep-06	N		192,000	36,400	<5	12,300	1,230,000	264	<5	1,670	<.5	<2	3,630
	05-Oct-06	N		186,000	31,000	<5	11,200	1,210,000	243	<5	1,660	<.5	<2	3,780
	09-Nov-06	N		173,000	31,300	<5	10,800	1,090,000	248	<5	1,610	<.5	<2	3,620
	06-Dec-06	N		192,000	35,700	<5.0	10,600	1,190,000	240	<5	1,610	<.5	<2	3,510
	04-Jan-07	N		189,000	35,200	<5	10,800	1,140,000	250	<5	1,630	<.5	<2	3,650
	08-Feb-07	N		180,000	33,200	<5	10,900	1,100,000	235	<5	1,700	<.5	<2	3,530
	07-Mar-07	N		185,000	31,400	<5	10,500	1,100,000	238	<5	1,740	<.5	<2	3,450
	06-Apr-07	N		206,000	34,000	<5	11,500	1,180,000	240	<5	1,650	<.5	<2	3,440
	03-May-07	N		198,000	35,800	<5	11,000	1,120,000	238	<5	1,720	<.5	<2	3,740
	07-Jun-07	**N**		**198,000**	**35,200**	**<5**	**10,900**	**1,190,000**	**255**	**<5**	**1,670**	**<0.5**	**<2**	**3,520**

Table 4
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PG&E Topock
Needles, California
June 2007 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-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	---
	17-Jul-06	N		188,000	12,100	<5	17,000	2,220,000	120	<5	2,790	<.5	<2	6,210
	09-Aug-06	N		184,000	13,300	<5	18,200	2,240,000	116	<5	3,050	<.5	<2	6,480
	08-Sep-06	N		234,000	16,500	<5	21,000	2,580,000	90.6	<5	3,600	<.5	<2	7,040
	05-Oct-06	N		199,000	12,400	<5	19,300	2,470,000	110	<5	3,350	<.5	<2	6,330
	09-Nov-06	N		189,000	12,400	<5	18,100	2,250,000	110	<5	3,260	<.5	<2	6,470
	09-Nov-06	FD		190,000	12,400	<5	18,100	2,290,000	108	<5	3,480	<.5	<2	6,650
	06-Dec-06	N		208,000	13,800	<5.0	17,300	2,410,000	108	<5	3,570	<.5	<2	6,620
	04-Jan-07	N		245,000	22,000	<5	19,700	2,580,000	108	<5	3,590	<.5	<2	7,170
	08-Feb-07	N		203,000	11,700	<5	18,900	2,370,000	105	<5	3,540	<.5	<2	6,630
	08-Mar-07	N		200,000	16,600	<5	17,600	2,310,000	110	<5	3,400	<.5	<2	6,220
	05-Apr-07	N		189,000	12,400	<5	18,000	2,340,000	123	<5	3,260	<.5	<2	5,960
	03-May-07	N		162,000	11,000	<5	16,000	2,120,000	135	<5	2,930	<.5	<2	5,930
	07-Jun-07	**N**		**181,000**	**12,000**	**<5**	**17,600**	**2,360,000**	**125**	**<5**	**3,100**	**<0.5**	**<2**	**6,080**
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
	18-Jul-06	N		---	---	---	---	---	---	---	---	---	---	3,770
	07-Aug-06	N		---	---	---	---	---	---	---	---	---	---	4,080
	07-Sep-06	N		---	---	---	---	---	---	---	---	---	---	3,940
	03-Oct-06	N		---	---	---	---	---	---	---	---	---	---	3,830
	07-Nov-06	N		---	---	---	---	---	---	---	---	---	---	4,120
	05-Dec-06	N		---	---	---	---	---	500	<5	2,050	<.5	---	3,890
	02-Jan-07	N		---	---	---	---	---	---	---	---	---	---	3,740
	06-Feb-07	N		---	---	---	---	---	---	---	---	---	---	3,890
	06-Mar-07	N		---	---	---	---	---	---	---	---	<.5	---	3,870
	04-Apr-07	N		---	---	---	---	---	---	---	---	---	---	3,590
	01-May-07	N		---	---	---	---	---	---	---	---	---	---	3,860
	05-Jun-07	**N**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**3,740**

Table 4
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PG&E Topock
Needles, California
June 2007 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)
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
	18-Jul-06	N		---	---	---	---	---	---	---	---	---	---	4,160
	07-Aug-06	N		---	---	---	---	---	---	---	---	---	---	4,190
	07-Sep-06	N		---	---	---	---	---	---	---	---	---	---	3,980
	03-Oct-06	N		---	---	---	---	---	---	---	---	---	---	3,860
	07-Nov-06	N		---	---	---	---	---	---	---	---	---	---	3,670
	05-Dec-06	N		---	---	---	---	---	225	<5	1,670	<.5	---	3,650
	02-Jan-07	N		---	---	---	---	---	---	---	---	---	---	3,490
	06-Feb-07	N		---	---	---	---	---	---	---	---	---	---	3,300
	06-Mar-07	N		---	---	---	---	---	---	---	---	<.5	---	3,250
	04-Apr-07	N		---	---	---	---	---	---	---	---	---	---	3,240
	01-May-07	N		---	---	---	---	---	---	---	---	---	---	3,320
	05-Jun-07	**N**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**3,420**
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
	18-Jul-06	N		---	---	---	---	---	---	---	---	---	---	6,730
	07-Aug-06	N		---	---	---	---	---	---	---	---	---	---	7,300
	05-Sep-06	N		---	---	---	---	---	---	---	---	---	---	6,790
	03-Oct-06	N		---	---	---	---	---	---	---	---	---	---	7,310
	07-Nov-06	N		---	---	---	---	---	---	---	---	---	---	4,840
	05-Dec-06	N		---	---	---	---	---	72.5	<5	4,580	<.5	---	8,710
	02-Jan-07	N		---	---	---	---	---	---	---	---	---	---	7,200
	06-Feb-07	N		---	---	---	---	---	---	---	---	---	---	7,370
	06-Mar-07	N		---	---	---	---	---	---	---	---	<.5	---	7,170
	04-Apr-07	N		---	---	---	---	---	---	---	---	---	---	6,960
	01-May-07	N		---	---	---	---	---	---	---	---	---	---	6,830
	05-Jun-07	**N**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**5,870**

Table 4
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PG&E Topock
Needles, California
June 2007 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)
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	---
	17-Jul-06	N		252,000	35,200	<5	18,300	2,020,000	267	<5	2,710	<.5	<2	5,910
	07-Aug-06	N		230,000	34,800	<5	18,100	1,970,000	255	<5	2,570	<.5	<2	5,910
	07-Aug-06	FD		235,000	35,600	<5	17,900	2,000,000	274	<5	2,550	<.5	<2	5,960
	06-Sep-06	N		227,000	34,700	<5	18,400	1,930,000	268	<5	2,670	<.5	<2	5,370
	03-Oct-06	N		234,000	32,800	<50	18,400	1,860,000	268	<5	2,630	<0.5	<2	5,710
	03-Oct-06	FD		242,000	34,000	<50	18,900	1,920,000	263	<5	2,750	<0.5	<2	5,580
	07-Nov-06	N		204,000	30,300	<5	16,200	1,790,000	263	<5	2,750	<.5	<2	3,180
	06-Dec-06	N		225,000	35,200	<5.0	16,200	1,860,000	275	<5	2,400	<.5	<2	5,340
	02-Jan-07	N		211,000	32,800	<5	16,300	1,800,000	275	<5	2,430	<.5	<2	5,370
	06-Feb-07	N		212,000	34,400	<5	16,300	1,670,000	270	<5	2,550	<.5	<2	5,200
	06-Feb-07	FD		211,000	34,600	<5	16,500	1,670,000	265	<5	2,550	<.5	<2	5,210
	06-Mar-07	N		208,000	32,700	<5	15,800	1,730,000	260	<5	2,540	<.5	<2	5,220
	04-Apr-07	N		204,000	34,300	<5	15,800	1,710,000	260	<5	2,310	<.5	<2	5,070
	04-Apr-07	FD		200,000	33,600	<5	15,500	1,710,000	255	<5	2,320	<.5	<2	4,700
	01-May-07	N		197,000	32,300	<5	15,200	1,690,000	278	<5	2,260	<.5	<2	4,810
	05-Jun-07	**N**		**193,000**	**30,200**	**<5**	**14,800**	**1,670,000**	**278**	**<5**	**2,170**	**<.5**	**<2**	**4,640**
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
	19-Jul-06	N		241,000	29,900	<5	15,000	1,460,000	119	<5	1,980	<.5	<2	4,580
	07-Aug-06	N		242,000	29,700	<5	14,600	1,450,000	102	<5	1,690	<.5	<2	3,900
	06-Sep-06	N		262,000	32,500	<5	16,400	1,580,000	122	<5	1,470	<.5	<2	4,420
	04-Oct-06	N		261,000	27,600	<5	16,100	1,720,000	115	<5	2,480	<.5	<2	4,900
	08-Nov-06	N		243,000	30,000	<5	14,300	1,500,000	110	<5	2,190	<.5	<2	3,850
	06-Dec-06	N		258,000	41,300	<5.0	11,700	954,000	110	<5	1,950	<.5	<2	290
	02-Jan-07	N		248,000	33,300	<5	14,100	1,450,000	97.5	<5	1,370	<.5	<2	3,480
	06-Feb-07	N		261,000	36,100	<5	14,100	1,320,000	110	<5	1,630	<.5	<2	4,220
	06-Mar-07	N		280,000	37,600	<5	15,100	1,590,000	130	<5	2,500	<.5	<2	4,790
	05-Apr-07	N		260,000	36,200	<5	14,700	1,460,000	115	<5	1,700	<.5	<2	4,320
	01-May-07	N		250,000	31,200	<5	14,000	1,510,000	138	<5	2,250	<.5	<2	4,730
	05-Jun-07	**N**		**242,000**	**31,900**	**<5**	**13,600**	**1,460,000**	**133**	**<5**	**1,390**	**<.5**	**<2**	**3,930**

Table 4
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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)
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
	19-Jul-06	N		265,000	29,100	<5	17,200	1,720,000	98.9	<5	2,610	<.5	<2	5,410
	07-Aug-06	N		272,000	28,800	<5	16,900	1,790,000	96.5	<5	2,480	<.5	<2	5,490
	06-Sep-06	N		274,000	29,400	<5	18,400	1,800,000	102	<5	2,670	<1	<2	5,240
	04-Oct-06	N		272,000	26,800	<5	18,100	1,700,000	175	<5	2,430	<1	<2	4,880
	08-Nov-06	N		257,000	26,900	<5	16,500	1,690,000	92.5	<5	2,790	<.5	<2	5,280
	06-Dec-06	N		277,000	30,000	<5	16,400	1,760,000	97.5	<5	2,470	<.5	<2	5,220
	02-Jan-07	N		269,000	29,700	<5	16,800	1,690,000	95	<5	2,580	<.5	<2	5,210
	06-Feb-07	N		277,000	31,500	<5	17,100	1,610,000	105	<5	2,740	<.5	<2	5,370
	06-Mar-07	N		280,000	32,100	<5	16,700	1,740,000	100	<5	2,840	<.5	<2	5,660
	05-Apr-07	N		279,000	31,900	<5	17,500	1,750,000	110	<5	2,740	<.5	<2	5,400
	01-May-07	N		269,000	29,100	<5	16,500	1,720,000	108	<5	2,630	<.5	<2	5,320
	01-May-07	FD		261,000	28,000	<5	16,100	1,660,000	113	<5	2,640	<.5	<2	5,120
	05-Jun-07	**N**		**269,000**	**29,100**	**<5**	**16,500**	**1,760,000**	**115**	**<5**	**2,630**	**<.5**	**<2**	**5,300**
INJ_SOLUTION_01	04-May-06	N		---	---	---	---	---	---	---	---	---	---	2,240
INJ_SOLUTION_02	05-May-06	N		---	---	---	---	---	---	---	---	---	---	4,650
INJ_SOLUTION_03	06-May-06	N		---	---	---	---	---	---	---	---	---	---	4,460
	11-Aug-06	N		---	---	---	---	---	---	---	---	---	---	<10
	07-Sep-06	N		---	---	---	---	---	---	---	---	---	---	4,950
	08-May-07	N		---	---	---	---	---	---	---	---	---	---	7,780

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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)
Field Blank	17-Mar-06	FB		<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	EB		<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	---
	17-Jul-06	FB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	10
	07-Aug-06	FB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	25
	06-Sep-06	FB		2,930	<1000	<5	<1000	7,980	8.28	<5	10.4	<.5	<2	15
	03-Oct-06	FB		<1000	<1000	<5	<1000	2,440	<5	<5	<0.5	<0.5	<2	30
	07-Nov-06	FB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	---
	05-Dec-06	FB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2.0	25
	03-Jan-07	FB		<1000	<1000	<5	<1000	2,340	<5	<5	0.789	<.5	<2	50
	06-Feb-07	FB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	<10
	06-Mar-07	FB		<1000	<1000	<5	<1000	1,480	<5	<5	<.5	<.5	<2	10
	04-Apr-07	FB		<1000	<1000	<5	<1000	1,040	<5	<5	<.5	<.5	<2	<10
	01-May-07	FB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	<10
	05-Jun-07	**N**		**<1000**	**<1000**	**<5**	**<1000**	**<1000**	**<5**	**<5**	**0.837**	**<.5**	**<2**	**<10**

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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		<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	FB		<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	---
	17-Jul-06	EB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	15
	07-Aug-06	EB		3,700	1,100	<5	<1000	1,370	12.9	<5	0.832	<.5	<2	20
	06-Sep-06	EB		2,860	<1000	<5	<1000	7,800	7.79	<5	9.62	<.5	<2	<10
	04-Oct-06	EB		9,340	<1000	<5	<1000	5,440	<5	<5	14.9	<.5	<2	35
	07-Nov-06	EB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	---
	06-Dec-06	EB		<1000	<1000	<5	<1000	38,800	75	<5	5.84	<.5	<2	120
	03-Jan-07	EB		<1000	<1000	<5	<1000	1,860	<5	<5	0.772	<.5	<2	35
	06-Feb-07	EB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	10
	06-Mar-07	EB		<1000	<1000	<5	<1000	1,490	<5	<5	<.5	<.5	<2	10
	04-Apr-07	EB		<1000	<1000	<5	<1000	1,660	<5	<5	<.5	<.5	<2	<10
	01-May-07	EB		<1000	<1000	<5	<1000	<1000	<5	<5	<.5	<.5	<2	<10
	05-Jun-07	**N**		**<1000**	**<1000**	**<5**	**<1000**	**<1000**	**<5**	**<5**	**<.5**	**<.5**	**<2**	**<10**

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
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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-1S	PT-01S-20070606	David Magallanes	6/6/2007	10:15 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/8/2007	Marie Huang
					EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/8/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/6/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/14/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/14/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson
PT-1M	PT-01M-20070530	Kevin Harvey	5/30/2007	02:05 PM	EMXT	E300.0	Iodide	6/1/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/1/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/30/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/4/2007	Margaret Ridinger

Table 5
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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-1M	PT-01M-20070606	David Magallanes	6/6/2007	09:39 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/8/2007	Marie Huang
					EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/8/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/6/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/14/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/14/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson
PT-1M	PT-01M-20070530D	Kevin Harvey	5/30/2007	01:50 PM	EMXT	E300.0	Iodide	6/1/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/1/2007	Michael Amador
					Ozark	OHM In-House Method	Fluorescein	6/4/2007	Margaret Ridinger
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/30/2007	Gary Clift
PT-1D	PT-01D-20070530	Kevin Harvey	5/30/2007	01:45 PM	EMXT	E300.0	Iodide	6/1/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/4/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/30/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/4/2007	Margaret Ridinger

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-1D	PT-01D-20070606	David Magallanes	6/6/2007	08:52 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/13/2007	Marie Huang
					EMXT	E300.0	Iodide	6/13/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/7/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/8/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/12/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/6/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/12/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson
PT-1D	PT-01D-20070611	Cody Montoya	6/11/2007	10:17 AM	EMXT	E300.0	Iodide	6/13/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/18/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/11/2007	Brian Redlinger
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-2S	PT-02S-20070606	Kevin Harvey	6/6/2007	09:31 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/8/2007	Marie Huang
					EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/7/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/6/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/14/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson
PT-2M	PT-02M-20070530	Kevin Harvey	5/30/2007	03:20 PM	EMXT	E300.0	Iodide	6/1/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/1/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/30/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/4/2007	Margaret Ridinger

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-2M	PT-02M-20070606	Kevin Harvey	6/6/2007	10:14 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/8/2007	Marie Huang
					EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/8/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/6/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/14/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson
PT-2D	PT-02D-20070530	Kevin Harvey	5/30/2007	02:40 PM	EMXT	E300.0	Iodide	6/1/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/4/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/30/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/4/2007	Margaret Ridinger

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-2D	PT-02D-20070606	Kevin Harvey	6/6/2007	09:00 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/13/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/7/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/12/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/6/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/12/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson
PT-2D	PT-02D-20070611	Cody Montoya	6/11/2007	11:05 AM	EMXT	E300.0	Iodide	6/13/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/18/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/11/2007	Brian Redlinger
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-3S	PT-03S-20070606	David Magallanes	6/6/2007	01:49 PM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/8/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/6/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/14/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson
PT-3M	PT-03M-20070531	Kevin Harvey	5/31/2007	09:00 AM	EMXT	E300.0	Iodide	6/6/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/4/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/31/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/6/2007	Margaret Ridinger

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-3M	PT-03M-20070606	David Magallanes	6/6/2007	01:14 PM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/6/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/14/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson
PT-3D	PT-03D-20070531	Kevin Harvey	5/31/2007	08:45 AM	EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/4/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/31/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/6/2007	Margaret Ridinger

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-3D	PT-03D-20070606	David Magallanes	6/6/2007	11:15 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/7/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/6/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/12/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-3D	PT-03D-20070606D	David Magallanes	6/6/2007		EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/12/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson
PT-3D	PT-03D-20070611	Cody Montoya	6/11/2007	02:05 PM	EMXT	E300.0	Iodide	6/13/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/13/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fiel	6/11/2007	Brian Redlinger
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger
PT-3D	PT-03D-20070611D	Cody Montoya	6/11/2007		EMXT	E300.0	Iodide	6/13/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/13/2007	Michael Amador
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-4S	PT-04S-20070606	Kevin Harvey	6/6/2007	01:48 PM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fiel	6/6/2007	Brian Redlinger
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/14/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-4M	PT-04M-20070606	Kevin Harvey	6/6/2007	01:20 PM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/6/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/14/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson
PT-4D	PT-04D-20070531	Kevin Harvey	5/31/2007	09:35 AM	EMXT	E300.0	Iodide	6/6/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/4/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/31/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/6/2007	Margaret Ridinger

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-4D	PT-04D-20070606	Kevin Harvey	6/6/2007	11:23 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/7/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/7/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/7/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/12/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/6/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/14/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/14/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/14/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/14/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/7/2007	JeanPaulGleeson
PT-4D	PT-04D-20070611	Cody Montoya	6/11/2007	02:35 PM	EMXT	E300.0	Iodide	6/12/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/13/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/11/2007	Brian Redlinger
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger

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PT-5S	PT-05S-20070607	Kevin Harvey	6/7/2007	09:06 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/8/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/8/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/13/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/12/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/7/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/16/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/15/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/16/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/16/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/15/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/8/2007	JeanPaulGleeson

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-5M	PT-05M-20070607	Kevin Harvey	6/7/2007	09:43 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/8/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/8/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/13/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/12/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/7/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/16/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/16/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/16/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/15/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/8/2007	JeanPaulGleeson

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-5D	PT-05D-20070607	Kevin Harvey	6/7/2007	08:39 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/8/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/11/2007	Marie Huang
					EMXT	E300.0	Iodide	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/8/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/13/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/12/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/7/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/16/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/16/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/16/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/15/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/8/2007	JeanPaulGleeson

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-6S	PT-06S-20070607	David Magallanes	6/7/2007	10:03 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/8/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/9/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/8/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/8/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/13/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/12/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/7/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/16/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/16/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/16/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/15/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/8/2007	JeanPaulGleeson
PT-6M	PT-06M-20070531	Kevin Harvey	5/31/2007	10:20 AM	EMXT	E300.0	Iodide	6/6/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/4/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/31/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/6/2007	Margaret Ridinger

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
PT-6M	PT-06M-20070607	David Magallanes	6/7/2007	09:30 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/8/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/8/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/8/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/13/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/12/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/7/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/16/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/16/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/16/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/16/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/8/2007	JeanPaulGleeson
PT-6D	PT-06D-20070531	Kevin Harvey	5/31/2007	10:45 AM	EMXT	E300.0	Iodide	6/6/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/4/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/31/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/6/2007	Margaret Ridinger

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PT-6D	PT-06D-20070607	David Magallanes	6/7/2007	08:27 AM	EMXT	E160.1	Total Dissolved Solids	6/12/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/8/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/9/2007	Marie Huang
					EMXT	E300.0	Iodide	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/8/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/9/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/8/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/9/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/13/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/13/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/12/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/12/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/7/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/16/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/16/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/16/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/16/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/16/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/8/2007	JeanPaulGleeson
PT-6D	PT-06D-20070611	Cody Montoya	6/11/2007	03:07 PM	EMXT	E300.0	Iodide	6/12/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/13/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/11/2007	Brian Redlinger
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger

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PTI-1S	PTI-01S-20070605	David Magallanes	6/5/2007	03:21 PM	EMXT	E160.1	Total Dissolved Solids	6/8/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/6/2007	Marie Huang
					EMXT	E300.0	Iodide	6/6/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/5/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					Truesdail	SW7199	Chromium, hexavalent	6/6/2007	JeanPaulGleeson
PTI-1M	PTI-01M-20070605	David Magallanes	6/5/2007	02:28 PM	EMXT	E160.1	Total Dissolved Solids	6/8/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/6/2007	Marie Huang
					EMXT	E300.0	Iodide	6/6/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/5/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					Truesdail	SW7199	Chromium, hexavalent	6/6/2007	JeanPaulGleeson
PTI-1D	PTI-01D-20070530	Kevin Harvey	5/30/2007	11:45 AM	EMXT	E300.0	Iodide	6/1/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/1/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/30/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/4/2007	Margaret Ridinger
PTI-1D	PTI-01D-20070605	David Magallanes	6/5/2007	12:18 PM	EMXT	E160.1	Total Dissolved Solids	6/8/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/6/2007	Marie Huang
					EMXT	E300.0	Iodide	6/7/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/5/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					Truesdail	SW7199	Chromium, hexavalent	6/6/2007	JeanPaulGleeson
PTI-1D	PTI-01D-20070611	Cody Montoya	6/11/2007	12:32 PM	EMXT	E300.0	Iodide	6/13/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/13/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/11/2007	Brian Redlinger
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger

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PE-1	PE-01-20070605	Gary Clift	6/5/2007	10:00 AM	EMXT	E160.1	Total Dissolved Solids	6/8/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/6/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/8/2007	Marie Huang
					EMXT	E300.0	Iodide	6/6/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/6/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/7/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/6/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/7/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/11/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/5/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/12/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/12/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/12/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/6/2007	JeanPaulGleeson
TW-2D	TW-02D-20070530	Kevin Harvey	5/30/2007	09:00 AM	EMXT	E300.0	Iodide	6/1/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/1/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/30/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/4/2007	Margaret Ridinger

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TW-2D	TW-02D-20070605	Gary Clift	6/5/2007	02:40 PM	EMXT	E160.1	Total Dissolved Solids	6/8/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/6/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/7/2007	Marie Huang
					EMXT	E300.0	Iodide	6/6/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/6/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/7/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/6/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/7/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/11/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/5/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/20/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/12/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/12/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/12/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/6/2007	JeanPaulGleeson
TW-2D	TW-02D-20070611	Brian Redlinger	6/11/2007	11:35 AM	EMXT	E300.0	Iodide	6/12/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/13/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/11/2007	Brian Redlinger
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger
TW-3D	TW-03D-20070530	Gary Clift	5/30/2007	09:30 AM	EMXT	E300.0	Iodide	6/1/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/1/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	5/30/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/4/2007	Margaret Ridinger

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TW-3D	TW-03D-20070605	David Magallanes	6/5/2007	10:15 AM	EMXT	E160.1	Total Dissolved Solids	6/8/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/6/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/8/2007	Marie Huang
					EMXT	E300.0	Iodide	6/6/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/6/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/7/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/6/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/7/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/11/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/5/2007	Gary Clift
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/12/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/12/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/12/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/6/2007	JeanPaulGleeson
TW-3D	TW-03D-20070611	Brian Redlinger	6/11/2007	11:45 AM	EMXT	E300.0	Iodide	6/12/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/13/2007	Michael Amador
					Fieldanalysis	IM-3	Chromium, hexavalent-Fielc	6/11/2007	Brian Redlinger
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger
Field Blank	FB-20070530	Kevin Harvey	5/30/2007	10:45 AM	EMXT	E300.0	Iodide	6/1/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/1/2007	Michael Amador
					Ozark	OHM In-House Method	Fluorescein	6/4/2007	Margaret Ridinger

Table 5
Summary of Monitoring Information
PG&E Topock
Needles, California
June 2007 Monitoring Reports for the Floodplain Reductive Zone In Situ Pilot Test

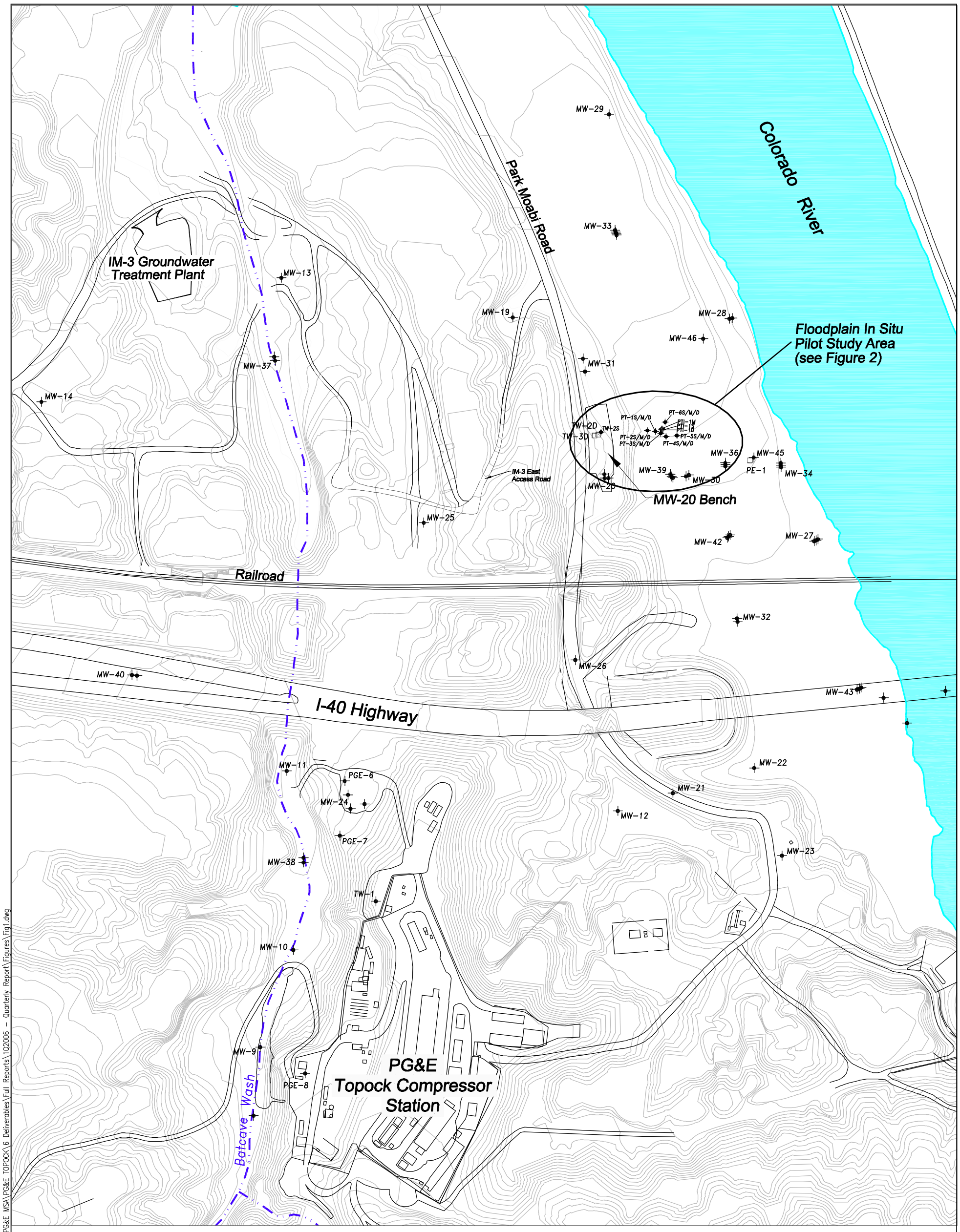
Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
Field Blank	FB-20070605	Gary Clift	6/5/2007	10:50 AM	EMXT	E160.1	Total Dissolved Solids	6/8/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/6/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/6/2007	Marie Huang
					EMXT	E300.0	Iodide	6/6/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/6/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/6/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/6/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/6/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/11/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/12/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/12/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/12/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/6/2007	JeanPaulGleeson
Field Blank	FB-20070611	Cody Montoya	6/11/2007	12:05 PM	EMXT	E300.0	Iodide	6/12/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/13/2007	Michael Amador
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger
Equipment Blank	EB-20070530	Kevin Harvey	5/30/2007	10:30 AM	EMXT	E300.0	Iodide	6/1/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/1/2007	Michael Amador
					Ozark	OHM In-House Method	Fluorescein	6/4/2007	Margaret Ridinger

Table 5
Summary of Monitoring Information
PG&E Topock
Needles, California
June 2007 Monitoring Reports for the Floodplain Reductive Zone In Situ Pilot Test

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician
Equipment Blank	EB-20070605	Gary Clift	6/5/2007	10:55 AM	EMXT	E160.1	Total Dissolved Solids	6/8/2007	Tina Hoang
					EMXT	E300.0	Bromide	6/6/2007	Marie Huang
					EMXT	E300.0	Chloride-cl	6/6/2007	Marie Huang
					EMXT	E300.0	Iodide	6/6/2007	Marie Huang
					EMXT	E300.0	Nitrate-n	6/6/2007	Marie Huang
					EMXT	E300.0	Nitrite-n	6/6/2007	Marie Huang
					EMXT	E300.0	Orthophosphate-p	6/6/2007	Marie Huang
					EMXT	E300.0	Sulfate	6/6/2007	Marie Huang
					EMXT	E310.1	Alkalinity	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity bicarbonate	6/11/2007	Supakit Deesopha
					EMXT	E310.1	Alkalinity carbonate	6/11/2007	Supakit Deesopha
					EMXT	E376.1	Sulfide	6/11/2007	Tina Hoang
					EMXT	E415.1	Total Organic Carbon	6/8/2007	Michael Amador
					Ozark	OHM In-House Method	Fluorescein	6/11/2007	Margaret Ridinger
					EMXT	SW6010B	Iron-Total	6/18/2007	Chris Capulong
					EMXT	SW6020A	Arsenic	6/12/2007	Jon Elliott
					EMXT	SW6020A	Calcium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Chromium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Iron-Dissolved	6/12/2007	Jon Elliott
					EMXT	SW6020A	Magnesium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Manganese	6/12/2007	Jon Elliott
					EMXT	SW6020A	Potassium	6/12/2007	Jon Elliott
					EMXT	SW6020A	Sodium	6/12/2007	Jon Elliott
					Truesdail	SW7199	Chromium, hexavalent	6/6/2007	JeanPaulGleeson
Equipment Blank	EB-20070611	Cody Montoya	6/11/2007	11:55 AM	EMXT	E300.0	Iodide	6/12/2007	Marie Huang
					EMXT	E415.1	Total Organic Carbon	6/13/2007	Michael Amador
					Ozark	OHM In-House Method	Fluorescein	6/14/2007	Margaret Ridinger

Notes:

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



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*

N

0 FEET 300

SCALE

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

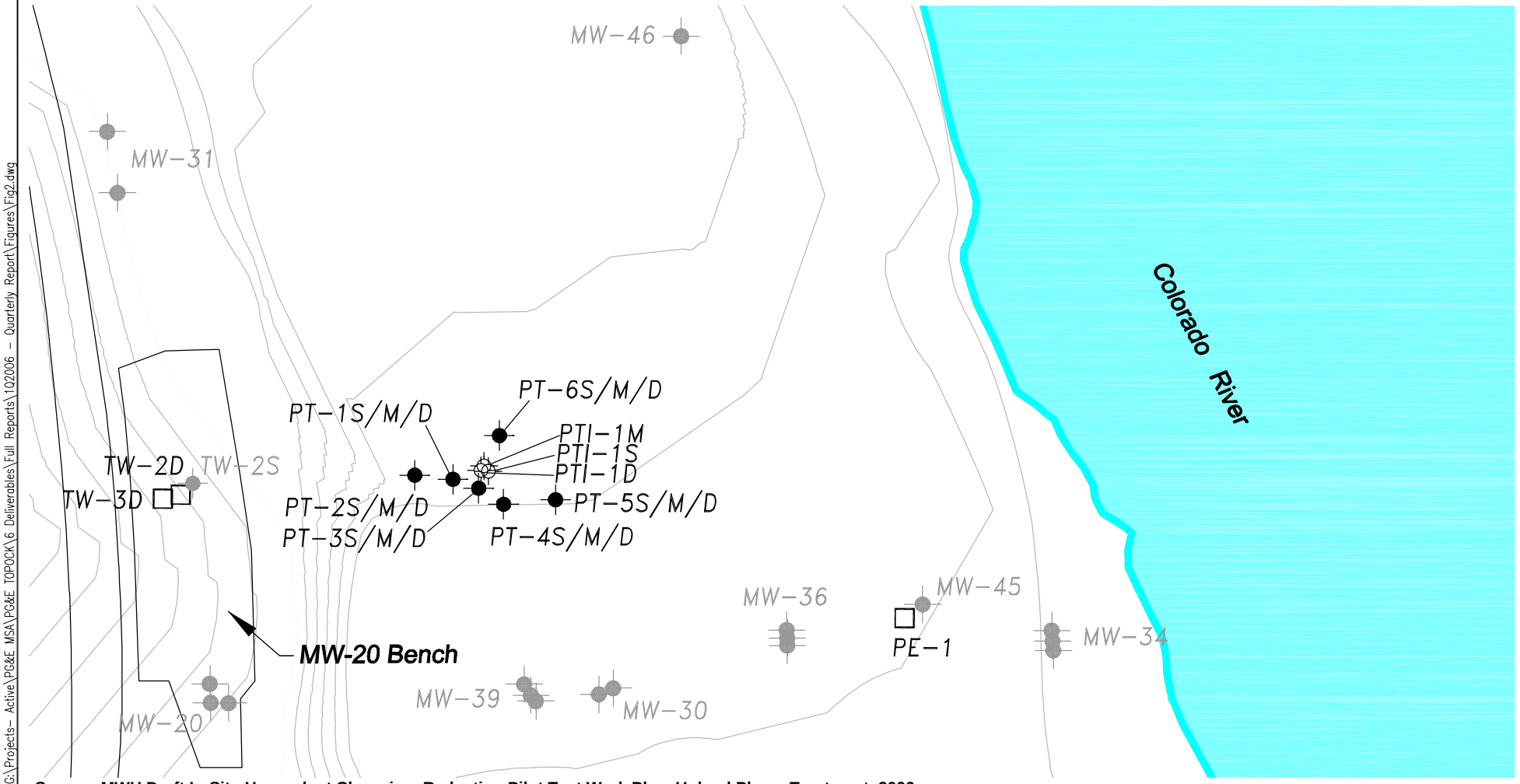
ARCADIS
ARCADIS G&M, Inc.
1050 Marina Way South
Richmond, CA 94804
Tel: 510-233-3200 Fax: 510-233-3204
www.arcadis-us.com

SITE PLAN
PG&E TOPOCK FACILITY
NEEDLES, CALIFORNIA

Project Number: RC000689.0001

Figure: 1

Acad Version : R16.1s (LMS Tech)
User Name : mchiu
Date\Time : Mon, 17 Apr 2006 – 9:30am
Path\Name : G:\Projects– Active\PG&E MSA\PG&E TOPOCK\6 Deliverables\Full Reports\102006 – Quarterly Report\Figures\Fig1.dwg



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

N

0 FEET 100
SCALE

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

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Appendix A

Calibration Logs for Field Monitoring Instruments

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MULTIPARAMETER INSTRUMENT CALIBRATION RECORD

Project No.: Location:

Instrument: YSI 556 Serial Number: 06F1362AS

Date	Calibrated by	Parameter	Standards Used	Calibrated Achieved (Y/N)	Remarks
6-11-07	Cody Montoya	pH	4.0	Yes	
			7.0	Yes	
			10.0	Yes	
		cond.	3900	Yes	
		DO	100%	Yes	
		ORP	225.0	Yes	

ARCADIS

MULTIPARAMETER INSTRUMENT CALIBRATION RECORD

Project No.: RC 000689.0001 T6 Location: TOPOCK,

Instrument: YSI-556 MPS Serial Number: 05K1408AD

Date	Calibrated by	Parameter	Standards Used	Calibrated Achieved (Y/N)	Remarks
5-30-07	KM	pH	4.0, 7.0, 10.0	Y	
		Conductivity	3900 µm	Y	
	↓	ORP	Solution	Y	
	↓	D.O	—	Y	
5/31/07	KM	pH	4.0, 7.0, 10.0	Y	
		Conductivity	3900µm	Y	
	↓	ORP	solution	Y	
	↓	D.O.	—	Y	

ARCADIS

MULTIPARAMETER INSTRUMENT CALIBRATION RECORD

Project No.: RC 689.0001 Location: TOPOCK

Instrument: YSI-556-MPS Serial Number: 05K1408AD

Date	Calibrated by	Parameter	Standards Used	Calibrated Achieved (Y/N)	Remarks
6/6/07	Kevin Harvey	pH	4 7 10	Y Y Y	
		Conductivity	3900 µs	Y	
		ORP D.O.	solution —	Y Y	
6/7/07	Kevin Harvey	pH	4, 7, 10	Y	
		Conductivity	3900 µs	Y	
		ORP	solution	Y	
		D.O.	—	Y	

ARCADIS

MULTIPARAMETER INSTRUMENT CALIBRATION RECORD

Project No.: RC 689.0001 Location: TOPOCK

Instrument: YSI - 556 - MPS Serial Number: 05C1520 AJ

Date	Calibrated by	Parameter	Standards Used	Calibrated Achieved (Y/N)	Remarks
6/5/07	DAVE M.	pH	7.00, 4.00, 10.00	Y	
↓	↓	Spec Cond.	3900 µS	Y	
		O.R.P	224mV @ 30.5°C	Y	
↓	↓	D.O. %	(ambient)	Y	
6/6/07	DAVE M.	pH	7.00, 4.00, 10.00	Y	
↓	↓	Spec. Cond.	3900 µS	Y	
		O.R.P	234mV @ 23°C	Y	
↓	↓	D.O. %	(ambient)	Y	
6/7/07	DAVE M.	pH	7.00, 4.00, 10.00	Y	
↓	↓	Spec. Cond.	3900 µS	Y	
		O.R.P.	230mV @ 25.5°C	Y	
↓	↓	D.O. %	ambient	Y	

ARCADIS

Appendix B

Groundwater Sampling Logs

ARCADIS

Groundwater Sampling Form

Project Number:	RC000689.0001.	Task:	00006	Well ID:	PT-1M
Date:	05- 30 -07	Sampled By:	GC		
Weather:	Hot	Recorded By:	KG		
		Coded Duplicate No.:	Dup-1 @ 1410		

Dup-1 CrVI .005

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1408 AN

Purging Information

Purge Technique (circle one): Low-Flow, **(Remove 3 Well Volumes)** (circled), Bail Dry — Waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:	PVC	Screen Interval: From:	To:
Casing Diameter:	2"	Pump Intake Setting:	
Total Depth:	70'	Volumes to be Purged:	3
Depth to Water:	19.87	Total Volume Purged:	25 gallons
Water Column:	50.13	Pump on: 1350	Off: 1410
Gallons/Foot:	.16		
Gallons in Well:	8.1		

CrVI (1560) .006 mg/L

Well Casing Volumes (gal/ft): 2" = 0.16 (circled) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1350	0	/	0	/	/	-131.7	7.41	5892	27.57	2.29	
1355	5		9			-123.3	7.47	5897	25.33	1.09	
1359	9		17			-121.8	7.30	5671	25.04	0.71	
1403	13		25			-122.9	7.30	5873	25.02	0.76	

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	TANK
Color:	Clear	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Sample ID: PT-1M **Sample Date & Time:** 5-30-07 @ 1405

Samples Analyzed For: See the COC

I:\Active\Lompoc\QAPP\Field FormsWTR forms.xls
5/8/2007

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-1D

Date: 05- 30 -07 Sampled By: GC

Weather: Hot Recorded By: KM

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI - 556 MPS
Serial #:	—	05K1408AD

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — wakma

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 105'

Depth to Water: 19.90

Water Column: 85.10

Gallons/Foot: .16

Gallons in Well: 13.7

Screen Interval: From: ____ To: ____

Pump Intake Setting: ____

Volumes to be Purged: 3

Total Volume Purged: 42 gallon

Pump on: 1323 Off: 1345

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 $3\frac{1}{2}$" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .005 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1323	0		0			-214.7	7.00	8879	28.53	0.86	
1329	6		14			-226.8	6.98	8827	26.75	0.58	
1334	11		28			-222.8	7.01	8810	26.64	0.65	
1339	16		42			-212.9	7.03	8824	26.73	0.66	

Observations During Sampling

Well Condition: Good

Color: None

Odor: None

Purge Water Disposal: TANK

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: PT-1D **Sample Date & Time:** 5-30-07 1345

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number:	RC000689.0001.	Task:	00006	Well ID:	PT-2M
Date:	05- 30 -07	Sampled By:	GC		
Weather:	Hot	Recorded By:	KA		
		Coded Duplicate No.:	None		

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K140RAD

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — WATERRA

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:	PVC	Screen Interval: From:	60' To: 70'
Casing Diameter:	2"	Pump Intake Setting:	
Total Depth:	70'	Volumes to be Purged:	3
Depth to Water:	58.90	Total Volume Purged:	25 gallons
Water Column:	5k.10	Pump on: 1503	Off:
Gallons/Foot:	.16		
Gallons in Well:	8.2		

Cr+6 (1560) .004 mg/L

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37; 3½" = 0.50; 4" = 0.65; 6" = 1.46

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1503	0	/	0	/	/	-69.7	6.96	5792	25.63	0.78	
1507	4		9			-83.4	7.15	5822	25.88	0.97	
1511	8		17			-104.1	7.20	5824	25.41	1.06	
1515	12		25			-97.7	7.12	5824	25.54	0.85	

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	TANK
Color:	clear	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Sample ID: PT-2M **Sample Date & Time:** 5-30-07 @ 1520

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-2D

Date: 05- 30 -07 Sampled By: GC

Weather: Hot Recorded By: LM

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1408 AM

Purging Information

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 105'

Depth to Water: 19.10

Water Column: 85.90

Gallons/Foot: .16

Gallons in Well: 13.8

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — water

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval: From: 95' To: 105'

Pump Intake Setting:

Volumes to be Purged: 3

Total Volume Purged: 42 gallons

Pump on: 1415 Off: 1440

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .006 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1415	0	/	0	/	/	-242.8	7.34	9515	26.28	0.41	
1422	7		14			-240.3	7.30	9702	26.14	0.53	
1427	12		28			-228.5	7.34	9711	25.84	0.76	
1432	17		42			-231.8	7.31	9711	25.84	0.83	

Observations During Sampling

Well Condition: Good

Color: Clear

Odor: none

Purge Water Disposal: Tank

Turbidity(qualitative): —

Other (OVA, HNU,etc.):

Sample ID: PT-2D **Sample Date & Time:** 5-30-07 @ 1440

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-3M

Date: 05- 31 -07 Sampled By: GC

Weather: Hot Recorded By: KM

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1408AD

Purging Information

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 70'

Depth to Water: 18.11

Water Column: 51.89

Gallons/Foot: .16

Gallons in Well: 8.3

Waterra

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval: From: ____ To: ____

Pump Intake Setting: ____

Volumes to be Purged: 3

Total Volume Purged: 26 gallons

Pump on: 0846 Off: 0901

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

CrT6 (1560) .005 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0846	0		0			-140.6	7.52	5718	25.49	0.30	
0850	4		9			-117.6	7.51	5673	24.82	0.69	
0854	8		17			-113.2	7.50	5692	24.59	0.79	
0857	11		26			-118.4	7.48	5691	24.58	0.71	

Observations During Sampling

Well Condition: Good

Color: none

Odor: None

Purge Water Disposal: TANK

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: PT-3M **Sample Date & Time:** 5-31-07 @ 0900

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-3D
Date: 05- 31 -07 Sampled By: GC
Weather: Hot Recorded By: Km
Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K101084D

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — waterra
Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 105'
Depth to Water: 18.30
Water Column: 86.70
Gallons/Foot: .16
Gallons in Well: 13.9

Screen Interval: From: ____ To: ____
Pump Intake Setting: ____
Volumes to be Purged: 3
Total Volume Purged: 42 gallons
Pump on: 0821 Off: 0845

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .221 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0821	0		0			~152.8	7.36	13,600	27.54	1.66	
0827	6		14			-161.1	7.57	13,001	26.19	1.10	
0833	12		28			-167.8	7.60	11,634	26.08	1.02	
0839	18		42			-169.3	7.61	12,476	26.07	0.98	

Observations During Sampling

Well Condition: Good
Color: None
Odor: None
Purge Water Disposal: TANK
Turbidity(qualitative): —
Other (OVA, HNU,etc.): —

Sample ID: PT-3D **Sample Date & Time:** 5-31-07 @ 0845
Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-4D

Date: 05- 31 -07 Sampled By: GC

Weather: Hot Recorded By: KM

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1408AD

Purging Information

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 105'

Depth to Water: 19.24

Water Column: 85.76

Gallons/Foot: .16

Gallons in Well: 13.8

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — Waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval: From: _____ To: _____

Pump Intake Setting: _____

Volumes to be Purged: 3

Total Volume Purged: 42 gallons

Pump on: 0910 Off: 0935

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 $3\frac{1}{2}$" = 0.50 4" = 0.65 6" = 1.46

CrVI (1560) 3.28 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0910	0	/	0	/	/	-56.1	7.53	15,135	25.02	0.37	
0917	7		14			-81.7	7.60	15,193	25.20	0.74	
0923	13		28			-88.6	7.56	15,293	25.36	0.80	
0929	19		42			-89.1	7.55	15,357	25.30	0.87	

Observations During Sampling

Well Condition: Good

Color: none

Odor: none

Purge Water Disposal: TANK

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: PT-4D **Sample Date & Time:** 5-31-07 @ 0935

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-6M

Date: 05-31-07 Sampled By: GC

Weather: Hot Recorded By: KM

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI - 556 MPS
Serial #:	—	05K1408AD

Purging Information

Wakrra

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 70'

Depth to Water: 20.46

Water Column: 49.54

Gallons/Foot: .16

Gallons in Well: 8.0

Screen Interval: From: _____ To: _____

Pump Intake Setting: _____

Volumes to be Purged: 3

Total Volume Purged: 24 gallons

Pump on: 0954 Off: 1020

CrVI .002 mg/L
(1560)

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37; 3½" = 0.50; 4" = 0.65; 6" = 1.46

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0954	0	/	0	/	/	-84.8	7.37	6372	25.80	0.33	
1001	7	/	8	/	/	-73.8	7.43	6140	24.82	1.10	
1008	14	/	16	/	/	-106.6	7.42	6139	24.99	0.89	
1015	21	/	24	/	/	-103.8	7.47	6132	25.00	0.93	

Observations During Sampling

Well Condition: Good

Color: None

Odor: None

Purge Water Disposal: TANK

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: PT-6M **Sample Date & Time:** 5-31-07 @ 1020

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-6D

Date: 05- 31 -07 Sampled By: GC

Weather: Hot Recorded By: KM

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1408AD

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — Waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 105'

Depth to Water: 20.80

Water Column: 84.20

Gallons/Foot: .16

Gallons in Well: 13.5

Screen Interval: From: ____ To: ____

Pump Intake Setting: ____

Volumes to be Purged: 3

Total Volume Purged: 41 gallons

Pump on: 1024 Off: 1045

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

CMB (1560) .559 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1024	0	/	0	/	/	-90.9	7.66	12580	25.63	0.63	
1031	7		14			-107.6	7.65	11378	25.08	0.76	
1038	14		27			-105.7	7.61	10547	25.04	0.88	
1041	17		41			-103.7	7.59	10224	25.09	0.88	

Observations During Sampling

Well Condition: Good

Color: none

Odor: none

Purge Water Disposal: Tank

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: PT-6D **Sample Date & Time:** 5-31-07 @ 1045

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number:	RC000689.0001.	Task:	00006	Well ID:	PTI-1D
Date:	05- 30 -07	Sampled By:	GC		
Weather:	Hot	Recorded By:	[illegible]		
		Coded Duplicate No.:	None		

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI -556 MPS
Serial #:	—	05K1405AD

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — Waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:	PVC	Screen Interval: From:	To:
Casing Diameter:	4"	Pump Intake Setting:	
Total Depth:	105'	Volumes to be Purged:	3
Depth to Water:	19.75	Total Volume Purged:	167 gallons
Water Column:	85.25	Pump on:	1028 Off: 1145
Gallons/Foot:	.65		
Gallons in Well:	55.5		

Well Casing Volumes (gal/ft): 2" = 0.16; 3" = 0.37; 3½" = 0.50; 4" = 0.65 (circled); 6" = 1.46

CN76 (1560) .001 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1028	0	/	0	/	/	-245.0	6.71	9189	28.36	0.38	
1055	27		56			-177.3	7.04	11,240	26.88	0.68	
1117	49		111			-149.8	7.14	10,738	28.62	0.91	
1142	74		167			-158.7	7.16	16,498	28.57	0.53	

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	TANK
Color:	none	Turbidity(qualitative):	—
Odor:	yes	Other (OVA, HNU,etc.):	—

Sample ID: PTI-1D **Sample Date & Time:** 5-30-07 @ 1145

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: TW-2D

Date: 05- 30 -07 Sampled By: GC

Weather: Hot Recorded By: [illegible]

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI - 556 MPS
Serial #:	—	05K1408AA

Purging Information

Casing Material:

Casing Diameter:

Total Depth:

Depth to Water:

Water Column:

Gallons/Foot:

Gallons in Well:

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval: From: To:

Pump Intake Setting:

Volumes to be Purged:

Total Volume Purged:

Pump on: Off:

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 $3^1/_2$" = 0.50 4" = 0.65 6" = 1.46

CrT6 .436 mg/L (1560)

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
9:00	/	/	/	/	/	-133.0	7.18	8163	35.66	0.84	

Observations During Sampling

Well Condition: OK

Color: Clear

Odor: None

Purge Water Disposal: System

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: TW-2D **Sample Date & Time:** 5-30-07 9:00

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: TW-3D

Date: 05- 30 -07 Sampled By: GC

Weather: Hot Recorded By: GC

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1405A0

Purging Information

Casing Material:

Casing Diameter:

Total Depth:

Depth to Water:

Water Column:

Gallons/Foot:

Gallons in Well:

CR6 (1560) 2.24 mg/L

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval: From: To:

Pump Intake Setting:

Volumes to be Purged:

Total Volume Purged:

Pump on: Off:

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 3 1/2" = 0.50 4" = 0.65 6" = 1.46

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
9:30	—	—	—	—	—	98.4	6.70	8926	24.13	3.03	

Observations During Sampling

Well Condition: —

Color: Yellowish

Odor: —

Purge Water Disposal: System

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: TW-3D **Sample Date & Time:** 5-30-07 9:30

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number:	RC000689.0001.	Task:	00006	Well ID:	PT-1S
Date:	06- 6 -07	Sampled By:	GC		
Weather:	WARM	Recorded By:	DM		
		Coded Duplicate No.:	None		

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI- 556 MPS
Serial #:	—	05C1520 AJ

Purging Information

WATER

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:	PVC
Casing Diameter:	2"
Total Depth:	45'
Depth to Water:	18.69'
Water Column:	26.31'
Gallons/Foot:	.16
Gallons in Well:	4.2

Screen Interval: From: ____ To: ____

Pump Intake Setting: ____

Volumes to be Purged: 3

Total Volume Purged: 13

Pump on: 0958 Off: 1014

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37; $3\frac{1}{2}$" = 0.50; 4" = 0.65; 6" = 1.46

Cr+6 (1560) .003 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0958	0	/	0	/	/	-115.9	7.15	6211	25.63	2.40	
1003	5		5			-118.1	7.07	6360	25.79	2.01	
1007	9		9			-119.0	7.06	6248	25.80	1.98	
1011	13		13			-119.6	7.10	6256	25.94	1.91	

Observations During Sampling

Well Condition:	GOOD	Purge Water Disposal:	TANK
Color:	colorless	Turbidity(qualitative):	cloudy
Odor:	none	Other (OVA, HNU,etc.):	—

Sample ID: PT-1S **Sample Date & Time:** 6/6/07 1015

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-1M
Date: 06- 6 -07 Sampled By: GC
Weather: WARM Recorded By: DM
Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05C1520 AJ

Purging Information

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 70'
Depth to Water: 19.47'
Water Column: 50.53'
Gallons/Foot: 0.16
Gallons in Well: 8.1

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry
Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer
Screen Interval: From: ____ To: ____
Pump Intake Setting: ____
Volumes to be Purged: 3
Total Volume Purged: 25
Pump on: 0924 Off: 0939

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .005 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0924	0	/	0	/	/	-180.2	7.50	5591	25.50	2.36	
0928	4		9			-191.0	7.41	5522	25.11	1.65	
0931	7		17			-182.7	7.41	5526	24.89	1.56	
0935	11		25			-176.3	7.49	5526	24.78	1.50	

Observations During Sampling

Well Condition: GOOD
Color: colorless
Odor: none
Purge Water Disposal: TANK
Turbidity(qualitative): clear
Other (OVA, HNU,etc.): —

Sample ID: PT-1M **Sample Date & Time:** 6/6/07 0939
Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-1D
Date: 06- 6 -07 Sampled By: GC
Weather: WARM Recorded By: DM
Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05C1520 AJ

Purging Information

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 105'
Depth to Water: 19.51'
Water Column: 85.49'
Gallons/Foot: .16
Gallons in Well: 13.7

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — waTera
Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer
Screen Interval: From: ____ To: ____
Pump Intake Setting: ____
Volumes to be Purged: 3
Total Volume Purged: 41
Pump on: 0831 Off: 0853

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

CrVI (1560) .007 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0831	0	/	0	/	/	-339.2	7.35	8040	25.36	7.95	odor
0836	5		14			-288.2	7.35	8410	25.52	1.63	
0842	11		28			-288.5	7.27	8399	25.36	1.26	
0848	17		41			-285.4	7.21	8436	25.50	1.20	

Observations During Sampling

Well Condition: Good
Color: grey
Odor: none
Purge Water Disposal: Tank
Turbidity(qualitative): cloudy
Other (OVA, HNU,etc.): —

Sample ID: PT-1D **Sample Date & Time:** 6/6/07
Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-2S

Date: 06- 6 -07 Sampled By: GC

Weather: WARM Recorded By: Ken

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1405A1

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — Waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 45'

Depth to Water: 18.69

Water Column: 26.31

Gallons/Foot: .16

Gallons in Well: 4.3

Screen Interval: From: 35' To: 45'

Pump Intake Setting:

Volumes to be Purged: 3

Total Volume Purged: 13 gallons

Pump on: 0915 Off: 0933

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 $3\frac{1}{2}$" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .006 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0915	0	/	0	/	/	-124.3	7.30	6714	26.08	1.63	
0919	4		5			-93.7	7.16	6720	25.87	1.10	
0922	7		9			-91.1	7.20	6756	25.88	2.44	
0926	11		13			-99.4	7.21	6657	25.88	2.51	

Observations During Sampling

Well Condition: Good

Color: Turbid

Odor: None

Purge Water Disposal: tank

Turbidity(qualitative): —

Other (OVA, HNU,etc.):

Sample ID: PT-2S **Sample Date & Time:** 6/6/07 @ 0931

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-2M

Date: 06- 6 -07 Sampled By: GC

Weather: WARM Recorded By: KH

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1408AD

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — Waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 70'

Depth to Water: 18.59

Water Column: 51.41

Gallons/Foot: .16

Gallons in Well: 8.3

Screen Interval: From: 60' To: 70'

Pump Intake Setting:

Volumes to be Purged: 3

Total Volume Purged: 25 gallons

Pump on: 0957 Off: 1016

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 $3\frac{1}{2}$" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .009 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0957	0	/	0	/	/	-50.4	7.14	5666	25.20	1.14	
1001	4		9			-47.8	7.14	5614	24.95	1.08	
1005	8		17			-44.9	7.16	5661	24.91	0.99	
1009	12		25			-46.8	7.22	5674	24.88	1.10	

Observations During Sampling

Well Condition: Good

Color: clear

Odor: none

Purge Water Disposal: TANK

Turbidity(qualitative):

Other (OVA, HNU,etc.): —

Sample ID: PT-2M **Sample Date & Time:** 6/6/07 @ 1014

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-2D
Date: 06- 6 -07 Sampled By: GC
Weather: Warm Recorded By: KH
Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1408AD

Purging Information

Waterra

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry
Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 105'
Depth to Water: 18.52
Water Column: 86.48
Gallons/Foot: .16
Gallons in Well: 13.9

Screen Interval: From: 95' To: 105'
Pump Intake Setting:
Volumes to be Purged: 3
Total Volume Purged: 42 gallons
Pump on: 0828 0852 Off: 0842 0902

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) — .007 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0828	0		0			-301.0	7.42	8329	25.39	1.42	
0834	6		14			-141.2	7.38	9059	24.97	0.88	
0839	11		28			-127.8	7.30	8992	25.38	0.93	
0856	28		42			-124.4	7.26	9050	25.57	1.61	

Observations During Sampling

Well Condition: Good
Color: Clear
Odor: None

Purge Water Disposal: Tank
Turbidity(qualitative): —
Other (OVA, HNU,etc.): —

Sample ID: PT-2D **Sample Date & Time:** 6/6/07 @ 0900
Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number:	RC000689.0001.	Task:	00006	Well ID:	PT-3S
Date:	06- 6 -07	Sampled By:	GC		
Weather:	WARM	Recorded By:	DM		
		Coded Duplicate No.:	None		

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05C1520 AJ

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — WATERRA

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:	PVC
Casing Diameter:	2"
Total Depth:	45'
Depth to Water:	17.91'
Water Column:	27.09'
Gallons/Foot:	.16
Gallons in Well:	4.3

Screen Interval: From: ____ To: ____

Pump Intake Setting: ____

Volumes to be Purged: 3

Total Volume Purged: 13

Pump on: 1332 Off: 1349

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .018 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1332	0	/	0	/	/	-44.7	7.52	5581	26.77	3.43	
1337	5	/	5	/	/	-151.6	7.23	5978	25.99	1.34	
1341	9	/	9	/	/	-155.5	7.31	6004	25.55	1.46	
1345	13	/	13	/	/	-156.7	7.32	5999	25.30	1.29	

Observations During Sampling

Well Condition:	Broken hinge	Purge Water Disposal:	TANK
Color:	yellow	Turbidity(qualitative):	cloudy
Odor:	None	Other (OVA, HNU,etc.):	—

Sample ID: PT-3S **Sample Date & Time:** 6/6/07 1349

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-3M
Date: 06- 6 -07 Sampled By: GC
Weather: WARM Recorded By: DM
Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05C1520 AJ

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — Waterra
Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 70'
Depth to Water: 18.58'
Water Column: 51.42'
Gallons/Foot: .16
Gallons in Well: 8.2

Screen Interval: From: ____ To: ____
Pump Intake Setting: ____
Volumes to be Purged: 3
Total Volume Purged: 25
Pump on: 1300 Off: ____

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37; 3½" = 0.50; 4" = 0.65; 6" = 1.46

Cr+6 (1560) .006 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1300	0	/	0	/	/	-59.3	7.39	5466	26.07	1.25	
1303	3		9			-95.5	7.34	5457	25.26	1.13	
1306	6		17			-108.1	7.36	5460	25.09	1.14	
1310	10		25			-101.9	7.40	5509	25.30	1.08	

Observations During Sampling

Well Condition: Broken hinge
Color: brown
Odor: none
Purge Water Disposal: TANK
Turbidity(qualitative): cloudy
Other (OVA, HNU,etc.): —

Sample ID: PT-3M **Sample Date & Time:** 6/6/07 1314
Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-3D

Date: 06- 6 -07 Sampled By: GC

Weather: WARM Recorded By: DM

Coded Duplicate No.: Dup - 1 - 1116

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05C1520 AJ

Purging Information

waterra

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 105'

Depth to Water: 18.82'

Water Column: 86.18'

Gallons/Foot: .16

Gallons in Well: 13.8

Screen Interval: From: _____ To: _____

Pump Intake Setting: _____

Volumes to be Purged: 3

Total Volume Purged: 42

Pump on: 1053 Off: 1114

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .709 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1053	0	/	0	/	/	-194.1	7.57	10917	25.55	1.51	
1059	6	/	14	/	/	-153.2	7.61	11213	25.46	1.47	
1104	11	/	28	/	/	-148.0	7.59	11065	25.16	1.41	
1109	16	/	42	/	/	-141.7	7.59	10941	25.30	1.50	

Observations During Sampling

Well Condition: Broken hinge

Color: Colorless

Odor: none

Purge Water Disposal: TANK

Turbidity(qualitative): Cloudy

Other (OVA, HNU,etc.): —

Sample ID: PT-3D **Sample Date & Time:** 6/6/07 1115

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-4S

Date: 06- 6 -07 Sampled By: GC

Weather: WARM Recorded By: KM

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1408AD

Purging Information

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 45'

Depth to Water: 19.29

Water Column: 25.71

Gallons/Foot: .16

Gallons in Well: 4.2

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry (Waterra)

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval: From: ____ To: ____

Pump Intake Setting: ____

Volumes to be Purged: 3

Total Volume Purged: 13 gallons

Pump on: 1331 Off: 1350

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .007 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1331	0		0			-43.0	7.48	6266	26.61	1.72	
1335	4		5			-85.5	7.55	6238	25.22	0.15	
1339	8		9			-94.8	7.60	6214	25.54	0.93	
1342	11		13			-98.4	7.56	6272	24.73	0.91	

Observations During Sampling

Well Condition: Good

Color: Clear

Odor: none

Purge Water Disposal: TANK

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: PT-4S **Sample Date & Time:** 6/6/07 1348

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-4M
Date: 06- 6 -07 Sampled By: GC
Weather: Warm Recorded By: KN
Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1408AD

Purging Information

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 70'
Depth to Water: 19.70
Water Column: 50.30
Gallons/Foot: .16
Gallons in Well: 8.1

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — Waterra
Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer
Screen Interval: From: ____ To: ____
Pump Intake Setting: ____
Volumes to be Purged: 3
Total Volume Purged: 25 gallons
Pump on: 1300 Off: 1322

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .005 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1300	0		0			-78.2	7.48	5526	26.31	1.33	
1305	5		9			-85.5	7.56	5334	24.96	0.19	
1310	10		17			-81.8	7.52	5274	24.62	1.41	
1315	15		25			-78.9	7.53	5250	24.69	1.43	

Observations During Sampling

Well Condition: Good
Color: Cloudy
Odor: None
Purge Water Disposal: Tank
Turbidity(qualitative): —
Other (OVA, HNU,etc.): —

Sample ID: PT-4M **Sample Date & Time:** 6/6/07 @ 1320
Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number:	RC000689.0001.	Task:	00006	Well ID:	PT-4D
Date:	06- 6 -07	Sampled By:	GC		
Weather:	WARM	Recorded By:	IG		
		Coded Duplicate No.:	None		

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05J101808AD

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — Waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:	PVC	Screen Interval: From:	To:
Casing Diameter:	2"	Pump Intake Setting:	
Total Depth:	105'	Volumes to be Purged:	3
Depth to Water:	19.49	Total Volume Purged:	42 gallons
Water Column:	85.51	Pump on: 1049	Off: 1105 (1117) 1126
Gallons/Foot:	.16		
Gallons in Well:	13.7		

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) 3.70 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1049	0	/	0	/	/	-39.0	7.51	15,229	25.16	1.05	
1056	7	/	14	/	/	-35.1	7.52	15,581	25.24	1.07	
1102	13	/	28	/	/	-38.7	7.53	15,366	24.95	1.15	
1117	28	/	42	/	/	-38.3	7.57	15,260	25.18	1.09	

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	TANK
Color:	Clear / yellowish	Turbidity(qualitative):	
Odor:	None	Other (OVA, HNU,etc.):	—

Sample ID: PT-4D **Sample Date & Time:** 6/6/07 @ 1123

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-5S

Date: 06- 7 -07 Sampled By: GC

Weather: WARM Recorded By: KH

Coded Duplicate No.: —

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI - 556 MPS
Serial #:	—	05IC1408 AD

Purging Information

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 45'

Depth to Water: 18.28

Water Column: 26.72

Gallons/Foot: .16

Gallons in Well: 4.3

Waterra

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval: From: 35' To: 45'

Pump Intake Setting:

Volumes to be Purged: 3

Total Volume Purged: 13

Pump on: 0847 Off: 0908

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .009 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0847	0	/	0		/	355	7.12	9309	24.37	1.18	
0851	4		5			7.9	7.12	9257	23.98	1.05	
0856	9		9			-23.1	7.15	9350	23.98	0.95	
0900	13		13			-23.5	7.22	9473	23.66	1.01	

Observations During Sampling

Well Condition: Good

Color: clear

Odor: none

Purge Water Disposal: TANK

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: PT-5S **Sample Date & Time:** 6/7/07 @ 0906

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-5M

Date: 06- 7 -07 Sampled By: GC

Weather: warm Recorded By: KM

Coded Duplicate No.: —

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1408A0

Purging Information

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 70'

Depth to Water: 18.45

Water Column: 51.55

Gallons/Foot: .16

Gallons in Well: 8.3

Waterra

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval: From: 60' To: 70'

Pump Intake Setting:

Volumes to be Purged: 3

Total Volume Purged: 25 gallons

Pump on: 0927 Off: 0945

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

CMG (1560) .004 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0927	0		0			24.6	7.41	4405	24.25	6.83	
0931	4		9			31.9	7.31	4289	23.74	1.02	
0934	7		17			34.7	7.41	4174	23.78	0.99	
0938	11		25			35.9	7.40	4081	23.76	1.04	

Observations During Sampling

Well Condition: Good

Color: Clear

Odor: none

Purge Water Disposal: TANK

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: PT-5M **Sample Date & Time:** 6/7/07 @ 0943

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-5D

Date: 06- 7 -07 Sampled By: GC

Weather: WARM Recorded By: KM

Coded Duplicate No.: —

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05K1408A0

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — Waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 105'

Depth to Water: 19.26

Water Column: 85.74

Gallons/Foot: .16

Gallons in Well: 13.8

Screen Interval: From: 95' To: 105'

Pump Intake Setting:

Volumes to be Purged: 3

Total Volume Purged: 42 gallons

Pump on: 0806 Off: 0820

0830 0840

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 3½" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) 2.74 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0806	0		0			82.2	6.39	15,349	24.24	0.71	
0811	5		14			57.4	7.36	15,174	23.43	0.75	
0817	11		28			49.1	7.35	14,336	24.12	1.09	
0834			42			58.3	7.44	14,653	24.55	1.14	

Observations During Sampling

Well Condition: Good

Color: clear

Odor: none

Purge Water Disposal: TANK

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: PT-5D **Sample Date & Time:** 6/7/07 @ 0839

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-6S

Date: 06- 7 -07 Sampled By: GC

Weather: WARM Recorded By: DM

Coded Duplicate No.: —

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05C1520 AJ

Purging Information

WATER

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 45'

Depth to Water: 20.53'

Water Column: 24.47'

Gallons/Foot: .16

Gallons in Well: 3.9

Screen Interval: From: ____ To: ____

Pump Intake Setting: ____

Volumes to be Purged: 3

Total Volume Purged: 12

Pump on: 0946 Off: 1003

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 $3\frac{1}{2}$" = 0.50 4" = 0.65 6" = 1.46

CrT6 (1560) .011 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0946	0	/	0	/	/	-107.2	6.93	7966	25.21	2.00	
0950	4		4			-139.7	7.00	7786	24.62	1.14	
0954	8		8			-140.1	7.02	7979	25.02	1.09	
0958	12		12			-137.4	7.00	8027	24.98	1.15	

Observations During Sampling

Well Condition: GOOD

Color: COLORLESS

Odor: NONE

Purge Water Disposal: TANK

Turbidity(qualitative): CLOUDY

Other (OVA, HNU,etc.): —

Sample ID: PT-6S **Sample Date & Time:** 6/7/07 1003

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-6M

Date: 06- 7 -07 Sampled By: GC

Weather: WARM Recorded By: DM

Coded Duplicate No.: —

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI - 556 MPS
Serial #:	—	05C1520 AJ

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — WATERRA

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 70'

Depth to Water: 20.95'

Water Column: 49.05'

Gallons/Foot: .16

Gallons in Well: 7.8

Screen Interval: From: ____ To: ____

Pump Intake Setting: ____

Volumes to be Purged: 3

Total Volume Purged: 24

Pump on: 0906 Off: 0930

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37 $3\frac{1}{2}$" = 0.50 4" = 0.65 6" = 1.46

CrVI (1560) .003 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0906	0	/	0	/	/	-7.9	7.39	6003	24.44	0.84	
0913	7	/	8	/	/	2.7	7.40	6143	24.20	1.06	
0919	13	/	16	/	/	10.2	7.38	6137	24.16	1.11	
0925	19	/	24	/	/	16.9	7.38	6099	24.31	1.10	

Observations During Sampling

Well Condition: GOOD Purge Water Disposal: TANK

Color: colorless Turbidity(qualitative): cloudy

Odor: none Other (OVA, HNU,etc.): —

Sample ID: PT-6M **Sample Date & Time:** 6/7/07 0930

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number:	RC000689.0001.	Task:	00006	Well ID:	PT-6D
Date:	06- 7 -07	Sampled By:	GC		
Weather:	WARM	Recorded By:	DM		
		Coded Duplicate No.:	—		

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05C1520 AJ

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:	PVC
Casing Diameter:	2"
Total Depth:	105'
Depth to Water:	21.27'
Water Column:	83.73'
Gallons/Foot:	.16
Gallons in Well:	13.4
Screen Interval: From:	— To: —
Pump Intake Setting:	
Volumes to be Purged:	3
Total Volume Purged:	41
Pump on:	0808 Off: 0826

Cr+6 (1560) .742 mg/L

Well Casing Volumes (gal/ft): (2" = 0.16) 3" = 0.37; 3½" = 0.50; 4" = 0.65; 6" = 1.46

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
0808	0	/	0	/	/	246.3	7.24	12600	23.62	1.01	
0814	6		14			195.8	7.47	12158	23.91	1.03	
0819	11		27			182.6	7.52	11694	24.45	0.99	
0823	15		41			178.1	7.54	10944	24.33	1.01	

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Tank
Color:	colorless	Turbidity(qualitative):	Clear
Odor:	~~chlorine~~ none	Other (OVA, HNU,etc.):	—

Sample ID: PT-6D **Sample Date & Time:** 6/7/07 0827

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PTI-1S

Date: 06- 5 -07 Sampled By: GC

Weather: Hot Recorded By: DM

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI -556 MPS
Serial #:	—	05C1520 AJ

Purging Information

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — Waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC

Casing Diameter: 4"

Total Depth: 45'

Depth to Water: 19.43'

Water Column: 25.57

Gallons/Foot: .65

Gallons in Well: 16.6

Screen Interval: From: ____ To: ____

Pump Intake Setting: ____

Volumes to be Purged: 3

Total Volume Purged: 50

Pump on: ~~1455~~ DM Off: 1520

1448

Cr+6 (1560) .009 mg/L

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 3½" = 0.50 (4" = 0.65) 6" = 1.46

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1448 ~~1455~~ DM	0	/	0	/	/	-51.7	7.26	6557	28.92	2.31	
1459	11		17			-140.6	7.22	6592	26.60	1.54	
1508	20		34			-145.2	7.29	6526	26.16	1.45	
1517	29		50			-147.6	7.34	6531	26.24	1.39	

Observations During Sampling

Well Condition: Good

Color: grey

Odor: none

Purge Water Disposal: TANK

Turbidity(qualitative): cloudy

Other (OVA, HNU,etc.): —

Sample ID: PTI-1S **Sample Date & Time:** 6-5-07 1521

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PTI-1M

Date: 06- 5 -07 Sampled By: GC

Weather: Hot Recorded By: DM

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI - 556 MPS
Serial #:	—	05C1520 AJ

Purging Information

Casing Material: PVC

Casing Diameter: 4"

Total Depth: 70'

Depth to Water: 20.02'

Water Column: 49.98'

Gallons/Foot: .65

Gallons in Well: 32.5

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry — Waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval: From: _____ To: _____

Pump Intake Setting: _____

Volumes to be Purged: 3

Total Volume Purged: 98

Pump on: 1334 / 1405 Off: 1351 / 1428

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 3½" = 0.50 (4" = 0.65) 6" = 1.46

Cr+6 (1560) .005 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1334 pm	0	/	0	/	/	-168.4	7.40	5671	27.04	2.48	
1346	12	/	33	/	/	-127.9	7.34	5787	26.41	1.67	
1410	36	/	65	/	/	-119.1	7.39	5770	26.30	1.70	
1423	49	/	98	/	/	-111.7	7.36	5738	26.21	1.59	

Observations During Sampling

Well Condition: GOOD

Color: colorless

Odor: none

Purge Water Disposal: TANK

Turbidity(qualitative): clear

Other (OVA, HNU,etc.): —

Sample ID: PTI-1M **Sample Date & Time:** 6-5-07 1428

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PTI-1D

Date: 06- 5 -07 Sampled By: GC

Weather: Hot Recorded By: DM

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05C1520 AJ

Purging Information

Waterra

Purge Technique (circle one): Low-Flow (Remove 3 Well Volumes) Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: PVC

Casing Diameter: 4"

Total Depth: 105'

Depth to Water: 19.51

Water Column: 85.49

Gallons/Foot: .65

Gallons in Well: 55.6

Screen Interval: From: ____ To: ____

Pump Intake Setting: ____

Volumes to be Purged: 3

Total Volume Purged: 167

Pump on: 1055 Off: 1128

1142 1217

Cr+6 (560) .005 mg/L

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 4" = 0.65 $3\frac{1}{2}$" = 0.50 6" = 1.46

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged (gal)	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1055	0	/	0	/	/	-232.0	7.50	9915	27.41	2.69	ODOR
1118	23		56			-225.9	7.53	11156	26.92	1.14	ODOR
1153	58		112			-231.8	7.50	10475	27.52	1.20	ODOR
1215	80		167			-224.1	7.49	10195	27.48	1.28	ODOR

Observations During Sampling

Well Condition: Broken hinge

Color: grey

Odor: odor

Purge Water Disposal: TANK

Turbidity(qualitative): cloudy

Other (OVA, HNU,etc.): —

Sample ID: PTI-1D **Sample Date & Time:** 6-5-07 1218

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PE-1

Date: 06- 5 -07 Sampled By: GC

Weather: Hot Recorded By: GC

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05C1520 AJ

Purging Information

Casing Material:

Casing Diameter:

Total Depth:

Depth to Water:

Water Column:

Gallons/Foot:

Gallons in Well:

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval: From: To:

Pump Intake Setting:

Volumes to be Purged:

Total Volume Purged:

Pump on: Off:

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 $3\frac{1}{2}$" = 0.50 4" = 0.65 6" = 1.46

Cr+6 (1560) .060 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
10:00	—	—	—	—	—	150.1	7.52	7853	29.71	2.83	

Observations During Sampling

Well Condition: Good

Color: Clear

Odor: None

Purge Water Disposal: System

Turbidity(qualitative):

Other (OVA, HNU,etc.): —

Sample ID: PE-1 **Sample Date & Time:** 6-5-07 10:00

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: TW-2D

Date: 06- 5 -07 Sampled By: GC

Weather: Hot Recorded By:

Coded Duplicate No.: None

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI - 556 - MPS
Serial #:	—	

Purging Information

Casing Material:

Casing Diameter:

Total Depth:

Depth to Water:

Water Column:

Gallons/Foot:

Gallons in Well:

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval From: To:

Pump Intake Setting:

Volumes to be Purged:

Total Volume Purged:

Pump on: Off:

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 $3^1/_2$" = 0.50 4" = 0.65 6" = 1.46

Cl+6 (1560) .283 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
14:40	—	—	—	—	—	-12.6	7.31	7074	30.20	2.60	

Observations During Sampling

Well Condition:

Color: Clear

Odor: None

Purge Water Disposal: System

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: TW-2D **Sample Date & Time:** 6-5-07 14:40

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number:	RC000689.0001.	Task:	00006	Well ID:	TW-3D
Date:	06- 5 -07	Sampled By:	GC		
Weather:	Hot	Recorded By:	DM		
		Coded Duplicate No.:	None		

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI-556 MPS
Serial #:	—	05C1520 AJ

Purging Information

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:
Casing Diameter:
Total Depth:
Depth to Water:
Water Column:
Gallons/Foot:
Gallons in Well:

Screen Interval: From: To:
Pump Intake Setting:
Volumes to be Purged:
Total Volume Purged:
Pump on: Off:

Well Casing Volumes (gal/ft):	2" = 0.16	3" = 0.37
	$3^1/_2$" = 0.50	4" = 0.65
	6" = 1.46	

Cr+6 (1560) 1.90 mg/L RAN TWICE

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1015	—	—	—	—	—	185.0	7.34	8831	31.79	4.22	

Observations During Sampling

Well Condition: OK
Color: Clear / Yellowish
Odor: None

Purge Water Disposal: System
Turbidity(qualitative):
Other (OVA, HNU,etc.): —

Sample ID: TW-3D **Sample Date & Time:** 6-5-07 10:15

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-1D
Date: 06- 11 -07 Sampled By: BR
Weather: Sunny Recorded By: CM
Coded Duplicate No.:

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI 556
Serial #:	—	06F1362AS

Purging Information

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry (waterra)
Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:
Casing Diameter: 2"
Total Depth: 105'
Depth to Water: 19.41
Water Column: 85.59
Gallons/Foot: .16
Gallons in Well: 13.69

Screen Interval: From: To:
Pump Intake Setting:
Volumes to be Purged: 3
Total Volume Purged: 42
Pump on: 1000 Off: 1019

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 $3^1/_2$" = 0.50 4" = 0.65 6" = 1.46

Cr+6 = 0.0053 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1000	0	/	0	/	/	-278.5	7.35	9102	27.41	1.97	
1005	5		14			-241.1	7.36	9335	26.46	1.39	
1010	10		28			-226.3	7.31	9181	26.39	1.34	
1015	15		42			-222.6	7.29	9204	26.43	1.27	

Observations During Sampling

Well Condition: Good
Color: clear
Odor: odor

Purge Water Disposal:
Turbidity(qualitative):
Other (OVA, HNU,etc.):

Sample ID: PT-1D **Sample Date & Time:** 6-11-07, 1017
Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-2D

Date: 06- 11 -07 Sampled By: BR

Weather: sunny Recorded By: CM

Coded Duplicate No.:

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI 556
Serial #:	—	06F1362 AS

Purging Information

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry (Waterra)

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:

Casing Diameter: 2"

Total Depth: 105'

Depth to Water: 18.72

Water Column: 86.28

Gallons/Foot: .16

Gallons in Well: 13.80

Screen Interval: From: 95' To: 105'

Pump Intake Setting:

Volumes to be Purged: 3

Total Volume Purged: 42

Pump on: 1045 Off: 1107

Cr⁶ = 0.049 mg/L

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 $3^1/_2$" = 0.50 4" = 0.65 6" = 1.46

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1045	0	/	0	/	/	-252.2	7.44	9295	26.26	1.29	
1052	7		14			-254.8	7.43	8967	26.10	0.81	
1057	12		28			-223.1	7.45	9115	26.02	1.12	
1102	17		42			-232.9	7.41	9097	26.16	0.95	

Observations During Sampling

Well Condition: GOOD

Color: clear

Odor: ODOR

Purge Water Disposal:

Turbidity(qualitative):

Other (OVA, HNU,etc.):

Sample ID: PT-2D **Sample Date & Time:** 6-11-07, 1105

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-3D

Date: 06- 11 -07 Sampled By: BR

Weather: Sunny Recorded By: CM

Coded Duplicate No.: Dup1@1410

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI 556
Serial #:	—	06F1362 AS

Purging Information

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:

Casing Diameter: 2"

Total Depth: 105'

Depth to Water: 18.61

Water Column: 86.39

Gallons/Foot: .16

Gallons in Well: 13.82

Screen Interval: From: To:

Pump Intake Setting:

Volumes to be Purged: 3

Total Volume Purged: 42

Pump on: 1345 Off: 1412

Cr⁶ = 0.718 mg/L

Well Casing Volumes (gal/ft):	2" = 0.16	3" = 0.37
	3½" = 0.50	4" = 0.65
	6" = 1.46	

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1345	0	/	0	/	/	-172.5	7.54	11633	26.92	1.33	
1352	7		14			-174.1	7.66	12254	26.19	1.06	
1358	13		28			-170.2	7.65	11996	25.89	0.97	
1403	18		42			-171.3	7.65	11867	26.04	1.04	

Observations During Sampling

Well Condition: GOOD

Color: clear

Odor: odor

Purge Water Disposal:

Turbidity(qualitative):

Other (OVA, HNU,etc.):

Sample ID: PT-3D **Sample Date & Time:** 6-11-07, 1405

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-4D

Date: 06- 11 -07 Sampled By: BR

Weather: sunny Recorded By: CM

Coded Duplicate No.:

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI 556
Serial #:	—	06F1362 AS

Purging Information

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry (waterra)

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:

Casing Diameter: 2"

Total Depth: 105'

Depth to Water: 19.59

Water Column: 85.41

Gallons/Foot: .16

Gallons in Well: 13.66

Screen Interval: From: To:

Pump Intake Setting:

Volumes to be Purged: 3

Total Volume Purged: 42

Pump on: 1414 Off: 1437

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 $3^1/_2$" = 0.50 4" = 0.65 6" = 1.46

Cr6 = 0.800* mg/L

diluted = 0.245 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1414	0	/	0	/	/	-113.4	7.71	15625	25.92	1.09	
1419	5		14			-95.5	7.74	16123	25.67	1.14	
1426	12		28			-63.4	7.70	15944	25.30	1.05	
1432	18		42			-60.2	7.68	15759	25.60	0.97	

Observations During Sampling

Well Condition: GOOD

Color: greenish

Odor: odor

Purge Water Disposal:

Turbidity(qualitative):

Other (OVA, HNU,etc.):

Sample ID: PT-4D **Sample Date & Time:** 6-11-07, 1435

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PT-6D

Date: 06- 11 -07 Sampled By: BR

Weather: Sunny Recorded By: CM

Coded Duplicate No.: _____

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI 556
Serial #:	—	06F1362 AS

Purging Information

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry Waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: _____

Casing Diameter: 2"

Total Depth: 105'

Depth to Water: 21.11

Water Column: 83.89

Gallons/Foot: .16

Gallons in Well: 13.42

Screen Interval: From: _____ To: _____

Pump Intake Setting: _____

Volumes to be Purged: 3

Total Volume Purged: 42

Pump on: 1444 Off: 1509

Cr^{6+} = 0.637 mg/L

Well Casing Volumes (gal/ft):	2" = 0.16	3" = 0.37
	$3\frac{1}{2}$" = 0.50	4" = 0.65
	6" = 1.46	

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1444	0	/	0	/	/	-57.7	7.60	11046	25.64	1.05	
1451	7		14			-36.6	7.61	11789	25.41	1.12	
1458	14		28			-34.4	7.63	10925	25.97	1.02	
1505	21		42			-29.1	7.63	10620	26.01	0.91	

Observations During Sampling

Well Condition: GOOD

Color: clear

Odor: none

Purge Water Disposal: _____

Turbidity(qualitative): _____

Other (OVA, HNU,etc.): _____

Sample ID: PT-6D **Sample Date & Time:** 6-11-07, 1507

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: PTI-1D

Date: 06- 11 -07 Sampled By: BR

Weather: Sunny Recorded By: CH

Coded Duplicate No.: —

Instrument Identification

	PID	Water Quality Meter(s)
Model	—	YSI 556
Serial #:	—	06F1362 AS

Purging Information

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry waterra

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material: —

Casing Diameter: 4"

Total Depth: 105'

Depth to Water: 19.65

Water Column: 85.35

Gallons/Foot: .65

Gallons in Well: 55.47

Screen Interval: From: — To: —

Pump Intake Setting: —

Volumes to be Purged: 3

Total Volume Purged: 168

Pump on: 1114 Off: 1234

$Cr^{6} = 0.044$ mg/L

Well Casing Volumes (gal/ft):	2" = 0.16	3" = 0.37
	$3\frac{1}{2}$" = 0.50	4" = 0.65
	6" = 1.46	

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
1114	0	/	0	/	/	-296.4	7.92	10316	26.03	1.21	
1141	27		56			-266.7	7.62	11448	26.52	0.96	
1202	48		112			-251.2	7.52	10924	26.29	0.93	
1230	96		168			-235.7	7.49	10689	26.91	0.98	

Observations During Sampling

Well Condition: Good

Color: clear

Odor: odor

Purge Water Disposal: —

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Sample ID: PTI-1D **Sample Date & Time:** 6-11-07, 1232

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: TW-2D

Date: 06- -07 Sampled By: BR

Weather: _____ Recorded By: _____

Coded Duplicate No.: _____

Instrument Identification

	PID	Water Quality Meter(s)
Model		YSI 556
Serial #:		06F1362 AS

Purging Information

Casing Material: _____

Casing Diameter: _____

Total Depth: _____

Depth to Water: _____

Water Column: _____

Gallons/Foot: _____

Gallons in Well: _____

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Screen Interval: From: _____ To: _____

Pump Intake Setting: _____

Volumes to be Purged: _____

Total Volume Purged: _____

Pump on: _____ Off: _____

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 $3^1/_2$" = 0.50 4" = 0.65 6" = 1.46

Cr6 = 0.050 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
						-18.4	7.42	8110	35.91	1.44	

Observations During Sampling

Well Condition: _____ Purge Water Disposal: _____

Color: _____ Turbidity(qualitative): _____

Odor: _____ Other (OVA, HNU,etc.): _____

Sample ID: _____ **Sample Date & Time:** _____

Samples Analyzed For: See the COC

ARCADIS

Groundwater Sampling Form

Project Number: RC000689.0001. Task: 00006 Well ID: TW-3D

Date: 06- -07 Sampled By: BR

Weather: Recorded By:

Coded Duplicate No.:

Instrument Identification

	PID	Water Quality Meter(s)
Model		YSI 556
Serial #:		06F1362AS

Purging Information

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer

Casing Material:

Casing Diameter:

Total Depth:

Depth to Water:

Water Column:

Gallons/Foot:

Gallons in Well:

Screen Interval: From: To:

Pump Intake Setting:

Volumes to be Purged:

Total Volume Purged:

Pump on: Off:

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37 $3^1/_2$" = 0.50 4" = 0.65 6" = 1.46

$Cr^6 = 0.800^+$ mg/L

diluted = 0.138 mg/L

Field Parameter Measurements Taken During Purging

Time	Minutes Elapsed	Flow Rate ( )	Volume Purged ( )	DTW (ft btoc)	Turbidity (NTUs)	ORP (mV)	pH (SI Units)	Spec Cond (µmhos/cm)	Temp (°C)	DO (mg/L)	Comments
						-11.6	7.32	9182	29.24	2.75	

Observations During Sampling

Well Condition:

Color:

Odor:

Purge Water Disposal:

Turbidity(qualitative):

Other (OVA, HNU,etc.):

Sample ID: **Sample Date & Time:**

Samples Analyzed For: See the COC

ARCADIS

Appendix C

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