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March 25, 2005

Norman Shopay
Project Manager
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Geology and Corrective Action Branch
700 Heinz Avenue, Suite 200
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Subject: Groundwater and Surface Water Monitoring Report
Fourth Quarter 2004
PG&E Topock Compressor Station, Needles, California

Dear Mr. Shopay:

Enclosed is the Fourth Quarter 2004 groundwater and surface water monitoring report for the Topock project. The monitoring event was conducted by PG&E December 13 through December 17, 2004, with follow-up sampling January 11 and January 24, 2005, and included monitoring and sampling of 53 groundwater wells and 9 surface water locations along the Colorado River. Two of the wells in the quarterly program were not sampled this quarter due to pump failure and inaccessibility. If you have any questions on the groundwater and surface water monitoring report, please call me at (805) 546-5243.

Sincerely,

Paul Buster
for Yvonne Meeks

cc: CWG Members

Groundwater and Surface Water Monitoring Report, Fourth Quarter 2004

PG&E Topock Compressor Station
Needles, California

Prepared for

Pacific Gas and Electric Company

March 24, 2005

CH2MHILL

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Fourth Quarter 2004

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This report was prepared under supervision of a

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Project Hydrogeologist

Contents

Acronyms and Abbreviations

CACA	Corrective Action Consent Agreement
COC	constituent of concern
Cr(T)	total dissolved chromium
Cr(VI)	hexavalent chromium
DTSC	California Department of Toxic Substances Control
GMP	Groundwater and Surface Water Monitoring Program
IM	Interim Measures
LCS	laboratory control sample
mg/L	milligrams per liter
^{18}O	oxygen 18
PG&E	Pacific Gas and Electric Company
RCRA	Resource Conservation and Recovery Act
RFI	RCRA facility investigation
RPD	relative percent-difference
SAP	Sampling and Analysis Plan
TDS	total dissolved solids
USEPA	United States Environmental Protection Agency

1.0 Background

This report presents the results of the fourth quarter 2004 groundwater and surface water quarterly monitoring event conducted at Pacific Gas and Electric Company's (PG&E) Topock Compressor Station during December 2004. The Topock groundwater and surface water monitoring program (GMP) is part of a RCRA facility investigation (RFI) being performed under a Corrective Action Consent Agreement (CACA) issued by the California Department of Toxic Substances Control (DTSC) in 1996 for the Topock site (United States Environmental Protection Agency [USEPA] ID No. CAT080011729). The Topock Compressor Station is located in eastern San Bernardino County, 15 miles southeast of the city of Needles, California, as shown on Figure 1. (All figures and tables are provided at the end of this report.)

The groundwater and surface water monitoring activities at the Topock site were initiated in 1998 as a continuation of the RFI groundwater investigations (Ecology and Environment, Inc. 2004). In July 2004, at the request of DTSC (DTSC 2004a), PG&E submitted a *Sampling and Analysis Plan, Groundwater and Surface Water Monitoring* (SAP) (CH2M HILL 2004a) that describes the scope, schedule, and sampling and analysis procedures for the ongoing GMP. The SAP additionally recommended modifications to the monitoring locations, analyses, and sampling frequency for the GMP. On August 26, 2004, PG&E received DTSC approval to implement the sampling plan modifications proposed in the July 2004 SAP.

Figure 2 shows the locations of the PG&E Topock Compressor Station, site features, groundwater and surface water monitoring stations in the GMP, and other groundwater wells at the site. Table 1 summarizes information on well construction and sampling methods for all wells in the GMP and other groundwater wells at the site.

Under the current 2004 GMP (Figure 2), samples are collected from groundwater wells and surface water stations according to the following schedule:

- Fifty-five groundwater wells and nine surface water stations along the Colorado River are sampled quarterly.
- Twenty-four groundwater wells and the nine surface water stations are sampled monthly.
- Four groundwater wells on the floodplain are sampled biweekly.
- One test well and two background monitoring wells are sampled annually.
- Three inactive supply wells are sampled every 2 years (December events).

Prior to August 26, 2004, the wells and surface water monitoring locations were sampled for the site constituents of concern (COCs) defined in the 1996 CACA. The site COCs listed in the CACA include hexavalent chromium [Cr(VI)], total dissolved chromium [Cr(T)], copper, nickel, zinc, electrical conductivity (also referred to as specific conductance), and pH.

As proposed in the July 2004 SAP and approved by DTSC, the parameters currently sampled in the quarterly GMP include the primary site COCs Cr(VI) and Cr(T), specific conductance, pH, and the California Code of Regulations Title 22 full list of metals (including copper, nickel, and zinc) at selected groundwater monitoring wells. Groundwater and surface water elevation data and field water quality data are also measured during the monitoring events.

Beginning in March 2004, as directed by DTSC, PG&E initiated groundwater extraction at the MW-20 bench, located adjacent to the floodplain area of the site, as part of an Interim Measures (IM) program. One of the provisions for the IM activity requested by DTSC was the collection of chemical data from selected sampling locations in the vicinity of the pumping operation (CH2M HILL 2004b). The chemical parameter performance monitoring initiated under the IM is currently being performed as part of the GMP quarterly monitoring and reporting activity.

2.0 Fourth Quarter 2004 Monitoring Activities

This section provides a summary of the monitoring and sampling activities completed during the fourth quarter 2004 reporting period and the specific groundwater and surface water analyses performed for the December 2004 quarterly monitoring event.

2.1 Summary of Monitoring and Sampling

The fourth quarter 2004 monitoring event was conducted from December 13 through December 17, 2004, January 11, 2005, and January 27, 2005 and included:

- Fifty-three groundwater wells and nine surface water stations in the quarterly monitoring program (Figure 2) were sampled for Cr(VI), Cr(T), specific conductance, and pH. Monitoring well MW-12 was not sampled as the pump was inoperable. The pump was replaced, and the well will be sampled during first quarter 2005.
- Ten wells were sampled for the full list of metals, per California Code of Regulations Title 22. Eight locations were sampled in accordance with the July 2004 SAP (MW-10, MW-11, MW-20-70, MW-20-130, MW-25, MW-34-55, MW-34-80, MW-37D) and two additional locations were sampled for Title 22 metals at the request of DTSC (TW-2S, TW-2D).
- Three new monitoring wells (MW-41S, MW-41M, and MW-41D) recently installed for IM site investigation were sampled for Cr(VI), Cr(T), specific conductance, pH, and a full general chemistry suite.
- Thirteen wells (MW-20-70, MW-20-100, MW-20-130, MW-25, MW-26, MW-27, MW-28-25, MW-30-30, MW-30-50, MW-31-060, MW-32-20, MW-32-35, MW-34-55, MW-34-80) and two surface water locations (R-27, R-28) were sampled for the IM chemical performance monitoring parameters: total dissolved solids (TDS), oxygen 18 (^{18}O), deuterium, chloride, sulfate, nitrate, alkalinity, calcium, magnesium, potassium, sodium, bromide, and boron.
- Groundwater and surface water elevations and field water quality data were collected for the GMP locations sampled.
- Duplicate samples were collected at six monitoring wells (MW-24B, MW-30-50, MW-35-135, MW-36-90, MW-37D, MW-40D) to assess field sampling and analytical procedures.
- The pump in well MW-20-130 failed during the December 2004 sampling event. The pump was repaired and the well was sampled January 27, 2005.
- Monitoring well MW-25 was not accessible during fourth quarter 2004 sampling due to IM No. 3 construction activities; therefore, this location was not sampled.

The sampling methods, procedures, field documentation of the GMP sampling, water level measurements, and field water quality monitoring were performed in accordance with PG&E's *Sampling and Analysis Plan, Groundwater and Surface Water Monitoring,* dated July 14, 2004 (CH2M HILL 2004a).

During the monitoring period, two monthly sampling events (October and November) and four biweekly sampling events were also conducted. The results of the monthly and biweekly monitoring events performed during the fourth quarter 2004 have been issued in periodic data reports to DTSC and project stakeholders during the reporting period. The monitoring data presented in this report (Tables 2 through 7) include the results from the monthly biweekly sampling programs; however, only the data from the December 2004 quarterly monitoring event are discussed.

2.1.1 Site COC Analyses

All monitoring wells and surface water stations in the quarterly GMP were sampled for Cr(VI), dissolved Cr(T), specific conductance, and pH. The analyses for the site COC parameters were performed by Truesdail Laboratories, Inc., a California-certified analytical laboratory in Tustin, California. Per the SAP, Cr(VI) and Cr(T) were analyzed using the following analytical methods:

- Method SW 7196A was used for samples collected from monitoring wells where prior monitoring has detected Cr(VI) concentrations above 0.050 milligrams per liter (mg/L). The minimum reporting limit for Method 7196A for undiluted samples is 0.010 mg/L.
- Method SW 7199 was used for all surface water samples and all groundwater samples collected from monitoring wells where prior monitoring has not detected Cr(VI) concentrations above 0.050 mg/L. The minimum reporting limit for Cr(VI) using Method SW 7199 is 0.0002 mg/L for undiluted samples.
- Dissolved Cr(T) was analyzed using Method SW 6010B (reporting limit of 0.001 mg/L for undiluted samples).
- Method USEPA 218.6 (equivalent to Method 7199), with a reporting limit of 0.0002 mg/L, was used for the Cr(VI) water analysis from the domestic supply well at Park Moabi.

2.1.2 Title 22 Metals

As specified in the July 2004 SAP, eight selected monitoring wells were sampled for the California Code of Regulations Title 22 full list of metals: antimony, arsenic, barium, beryllium, cadmium, Cr(VI), Cr(T), cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc. Monitoring well MW-12, specified in the SAP for metals sampling, could not be sampled due to an inoperable pump. At DTSC request, two additional wells (TW-2S, TW-2D) were sampled for Title 22 metals during the fourth quarter 2004 sampling event.

Per DTSC (2004a), the groundwater samples for Title 22 dissolved metals analyses were field-filtered with a 0.45-micron inline filter. The metals analyses were performed by Emax Laboratory, a California-certified analytical laboratory in Torrance, California and Truesdail Laboratories, Inc., Tustin, California.

2.1.3 IM Performance Monitoring Parameters

During the June, September, and December 2004 quarterly events, select monitoring wells and surface water locations were sampled for selected chemical parameters for monitoring the performance and effects of IM pumping at the MW-20 bench on groundwater chemistry in the floodplain area. Due to IM No. 3 construction, monitoring well MW-25 was not sampled during the fourth quarter 2004 monitoring event because the well was not accessible. Water samples were analyzed for:

- TDS (USEPA Method 160.1).
- Chloride, sulfate, and nitrate (USEPA Method 300.0).
- Dissolved calcium, magnesium, potassium, sodium, bromide, and boron (Method SW 6010B).
- Alkalinity (USEPA Method 310.1).
- Stable isotopes ^{18}O and deuterium (CF-IRMS methods).

The performance monitoring parameter analyses were performed by Zymax Laboratory, Emax Laboratory, and Truesdail Laboratories, Inc.

3.0 December 2004 Quarterly Monitoring Results

This section summarizes the results of groundwater and surface water sampling completed for the Topock GMP December 2004 quarterly monitoring event. Figure 2 shows the locations of the GMP groundwater wells and the nine surface water locations sampled along the Colorado River.

The monitoring results and data presented include results for Cr(VI) and Cr(T) (the primary site COCs), additional analytes, performance monitoring parameters, laboratory data quality review, water level measurements, and water quality field parameter data. The complete laboratory reports and analytical documentation are maintained in the project file and are available upon request.

3.1 Chromium Analytical Results

3.1.1 Groundwater Sampling

Table 2 presents the results of chromium and other site COC analyses for groundwater sampling from the December 2004 quarterly monitoring of the event and historical data from June 2003 through fourth quarter 2004. The maximum Cr(T) and Cr(VI) concentrations detected in the GMP wells during the quarterly event were 11 mg/L and 10.9 mg/L, respectively, in samples from well MW-39-100. Overall, the December 2004 chromium sampling results for wells in the current quarterly GMP are consistent with prior sampling results at these locations (Table 2).

3.1.2 Surface Water Sampling

Table 3 presents the results of chromium and other site COC analyses for December 2004 surface water sampling and historical data from June 2003 through fourth quarter 2004. Cr(VI) and Cr(T) were not detected in any of the water samples collected at the nine surface water stations sampled during the December 2004 quarterly event.

3.1.3 Presentation of Hexavalent Chromium Results

Figures 3a through 3c present the Cr(VI) results distribution from the fourth quarter 2004 sampling of the GMP wells that monitor the upper, middle, and lower zones of the alluvial aquifer, respectively, and surface water locations. Figures 3a through 3c also show the approximate outline of Cr(VI) in groundwater greater than 0.05 mg/L (the California drinking water standard for total chromium) based on the December 2004 quarterly event sampling results for the upper, middle, and lower zones of the alluvial aquifer. The distribution and concentrations of Cr(VI) in the GMP wells are consistent and comparable with the prior 2004 quarterly monitoring data (CH2M HILL 2004c-e).

3.2 Additional Analytes Results

3.2.1 Performance Monitoring Parameters

Table 4 presents the results of the IM performance monitoring analyses collected at selected groundwater wells in the floodplain area during the December and prior September, March, and May/June 2004 monitoring events. The stable isotopes ^{18}O and deuterium can often be used to distinguish water sources and assess groundwater/surface water mixing and evaporation effects. In the case of the Topock site, there are distinct isotopic signatures of river water and groundwater in the interior wells (e.g., MW-20 wells, MW-25). Figure 2 shows the locations of the groundwater wells and the surface water stations sampled for performance monitoring and reported in Table 4.

For the majority of the floodplain wells, the water quality indicator parameters exhibit minor variations in concentrations over the March-December 2004 period. However, the concentrations of TDS, chloride, sulfate, general minerals, boron, and alkalinity measured in well MW-32-20 in September and December 2004 increased from concentrations measured in March and May 2004 (Table 4). Further assessment of the performance monitoring wells will be conducted as additional quarterly monitoring data are collected.

3.2.2 Title 22 Metals

Table 5 presents the full-list Title 22 metal results for the GMP groundwater wells sampled during fourth quarter 2004 monitoring event and prior September 2004 sampling. In addition to Cr(T), the trace metals detected in the December 2004 groundwater sampling include barium, copper, lead, molybdenum, nickel, selenium, silver, vanadium, and zinc. Excluding Cr(T), the dissolved concentrations of the trace metals detected during the fourth quarter 2005 sampling are below drinking water standards.

3.3 Analytical Data Quality Review

The laboratory analytical data generated from the fourth quarter 2004 monitoring event were independently reviewed by project chemists to assess data quality and identify deviations from analytical requirements. A detailed discussion of data quality for GMP sampling data is presented in the data validation reports, which are kept in the project file and are available upon request.

As discussed below, the completeness objectives were met for all method/analyte combinations except for nitrate. Samples from locations R-27, R-28, and MW-28-90 were rejected for project decision-making due to exceedences of holding time requirements. No other significant analytical deficiencies were identified in the December 2004 monitoring data. With minor exceptions (noted below), the analyses and data quality meet the laboratory method quality control acceptance criteria. Overall, the analytical data for the December 2004 quarterly monitoring event are considered acceptable for the intended purpose of monitoring groundwater and surface water conditions at the site.

Matrix Interference: Matrix interference was encountered in groundwater samples from some of the monitoring wells that affected the sensitivity for Cr(VI) analyses by Method SW 7199. Five results from these wells reflect adjusted reporting limits (Table 2) as a result

of serial dilutions required to overcome matrix interference and provide acceptable matrix spike recoveries.

Quantitation and Sensitivity: Due to irregularities in laboratory analysis sensitivity criteria, the non-detect results for samples MW-21, MW-22, MW-28-90, MW-29, MW-32-20, MW-33-40, MW-36-50, and MW-36-70 were qualified as estimated results (UJ flagged). Similarly, the detected Cr(VI) results for samples MW-31-135, MW-35-135, and MW-35-135 duplicate were qualified as estimated results (J flagged in Table 2) due irregularity in the analysis peak shape or elution time.

Holding Time Data Qualification: All method holding time requirements were met with the following exceptions: 1) the nitrate analyses for R-27, R-28, and MW-28-90 samples were rejected for project decision-making due to exceedences of the hold time requirement, and 2) the Cr(VI) sample for MW-36-020 was analyzed just outside of hold time and the non-detect result is qualified as estimated (UJ flagged).

Matrix Spike Samples: Matrix spike acceptance criteria were generally met with the following exceptions: 1) the potassium analyses for MW-28-90 and MW-20-70 duplicate sample was beyond quality control limits and the results are estimated (J flagged), and 2) the calcium analysis for MW-20-70 sample was beyond quality control limits and the result is estimated (J flagged).

3.3 Water Level Measurements

Table 6 lists the water level measurements and groundwater and surface water elevations collected during the December 2004 quarterly event. Water level measurements from prior monitoring events since June 2003 are summarized in this table for reference and comparison. Table 6 also lists water salinity data for the wells where water level data were measured. Groundwater salinity during this monitoring event ranged from 0 percent (well MW-27) to a maximum of 3.1 percent (well MW-30-30), consistent with prior monitoring. Because of the density differences in groundwater due to salinity variations, the groundwater elevations measured in the groundwater wells have been adjusted, or normalized, to a freshwater standard (Table 6).

As discussed in the first quarter 2004 monitoring report (CH2M HILL 2004c), water elevation data collected by manual water level methods at the Topock site are not sufficient to accurately illustrate hydraulic gradients in the alluvial aquifer (due to the hourly fluctuations of the river level and its effects on groundwater levels). Accordingly, hydraulic gradient maps are not included in this GMP monitoring report. However, since March 2004, a network of over 35 pressure transducers (primarily in wells monitoring the floodplain area) are being used to collect continuous records of water elevation data in the alluvial aquifer and Colorado River for analysis and assessment of hydraulic data. This assessment is ongoing and is being reported as part of the IM activities. The average groundwater gradients for wells in the floodplain area are calculated monthly and are presented in the IM performance monitoring reports (CH2M HILL 2004f).

3.4 Field Parameter Data

A field parameter meter and flow-through cell are used to measure water quality parameters during well purging and groundwater sampling (CH2M HILL 2004a). Water quality field measurements are also recorded during surface water sampling. The field parameters measured include specific conductance, temperature, pH, oxidation-reduction potential, and dissolved oxygen. Table 7 summarizes the field water quality data measured during the December 2004 quarterly event and prior monitoring events.

4.0 Status of Monitoring Activities

This section summarizes the scope and status of ongoing monitoring activities scheduled for the Topock GMP. Monitoring activities in 2005 will be conducted in accordance with the July 2004 SAP (CH2M HILL 2004a) and subsequent revisions. DTSC provided comments on the July 2004 SAP in a letter dated January 25, 2005 (DTSC 2005a). At DTSC direction, the monitoring plan and sampling and analysis and field procedures for the GMP will be revised and updated during first quarter 2005.

4.1 Quarterly Monitoring – First Quarter 2005 Event

The first quarter 2005 monitoring event was conducted March 7 through 11, 2005. This quarterly GMP monitoring event included the sampling and analysis scope presented in the July 2004 SAP, the IM chemical performance monitoring of selected locations (described in Section 2.0), and a chromium sample filtration comparative test at select monitoring locations (CH2M HILL 2005). The groundwater and surface water monitoring report for the March 2005 quarterly event will be submitted approximately 10 weeks after sampling. The results and evaluation of the filtration comparative test will be provided in a separate submittal approximately six weeks after the second round test sampling is completed in April 2005.

4.2 Monthly Monitoring

Beginning in November 2003, at the DTSC's request, PG&E has conducted monthly sampling for Cr(VI) and Cr(T) in selected monitoring wells in the Colorado River floodplain for more frequent monitoring of water quality in this area of the site. Requirements for the monthly monitoring activity were further modified to include surface water monitoring, as specified by DTSC (DTSC 2004b).

Per the July 2004 SAP, monthly sampling events were conducted in January and February 2005. The current monthly events include the sampling of 24 wells and nine surface water locations for Cr(VI) and Cr(T) (Figure 2).

4.3 Biweekly/Weekly Well Sampling

From January 29, 2004 to August 26, 2004, at the DTSC's request, PG&E conducted weekly sampling for Cr(VI) and Cr(T) in seven selected monitoring wells in the floodplain as part of IM data collection (DTSC 2004c). The results of the 2004 weekly well sampling were reported to DTSC and project stakeholders in periodic data transmittals and are presented in Tables 2 through 7 of this report.

Based on sampling results and monitoring needs, the July 2004 SAP proposed that the weekly well sampling activity be transitioned to a biweekly sampling effort involving four wells selected to better monitor the plume edge nearest the Colorado River. On August 26, 2004, DTSC provided approval to transition from weekly to biweekly sampling. The four

floodplain wells included in biweekly sampling are MW-28-90, MW-33-90, MW-34-80, and MW-36-100 (Figure 2). Three biweekly sampling events are scheduled during first quarter 2005.

During January-February 2005, new groundwater monitoring wells were installed in the floodplain area of the site under the IM program. In late February 2005, weekly sampling of selected floodplain monitoring wells and river sampling locations was resumed at DTSC direction and in accordance with the approved IM *Contingency Plan for Sentry Well Groundwater Monitoring* (DTSC 2005b). Groundwater monitoring of sentry wells in the floodplain area will continue in 2005 under the GMP in support of the IM performance monitoring requirements.

5.0 References

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_____. 2005b. Letter to PG&E. "Criteria for Evaluating Interim Measures Performance Requirements to Hydraulically Contain the Chromium Plume in Floodplain Area, Pacific Gas & Electric Company, Topock Compressor Station." February 14.

CH2M HILL. 2004a. *Sampling and Analysis Plan, Groundwater and Surface Water Monitoring, PG&E Topock Compressor Station, Needles, California.* July 14.

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Tables

Updated March 2005

Table 1
Well Construction and Sampling Summary
PG&E Topock Groundwater Monitoring Program

Well ID	Site Area	Measure Point Elevation feet MSL	Screen Interval feet BGS	Well Casing	Well Depth feet BGS	Depth to Water May-04 feet TOC	Sampling System	Typical Purge Rate gpm	Typical Purge Volume gallons	Remarks
MW-09	Bat Cave Wash	536.56	77 - 87	4" PVC	89	81	CD pump	3	11	
MW-10	Bat Cave Wash	530.65	74-94	4" PVC	95	74	CD pump	5	40	
MW-11	Bat Cave Wash	522.61	63-83	4" PVC	84	67	CD pump	5	30	
MW-12	east of Station	484.01	28-48	4" PVC	49	29	Ded. Redi-Flo AR	3	40	
MW-13	Bat Cave Wash	488.64	29-49	4" PVC	50	32	CD pump	4	30	
MW-14	east mesa	570.99	111-131	4" PVC	132	116	CD pump	4	30	
MW-15		641.52	181-201	4" PVC	202	185	CD pump	5	30	
MW-16	near New Ponds	657.31	198-218	4" PVC	218	202	CD pump	7	35	
MW-17		589.96	130-150	4" PVC	151	134	CD pump	5	32	
MW-18	west mesa	545.32	85-105	4" PVC	105	90	CD pump	5	30	
MW-19		499.92	46-66	4" PVC	66	44	CD pump	7	41	
MW-20-70	MW-20 bench	500.15	50-70	4" PVC	70	45	CD pump	10	53	
MW-20-100	MW-20 bench	500.58	90-100	4" PVC	100	47	CD pump	10	110	
MW-20-130	MW-20 bench	500.66	121-131	4" PVC	131	52	CD pump	10	180	
MW-21	east of Station	505.55	49-59	4" PVC	60	50	CD pump	10	10	low recharge well; purges dry at 1 casing volume
MW-22	floodplain	460.72	6-11	2" PVC	11	6	Peristaltic	0.2	4	
MW-23	east of Station	507.33	60-80	4" PVC	80	53	CD Pump	5	20	low recharge well; purges dry at 1 casing volume
MW-24A	MW-24 bench	567.16	104-124	4" PVC	125	112	CD pump	3	30	
MW-24B	MW-24 bench	564.76	194-214	4" PVC	214	110	CD pump	7	210	
MW-24BR	MW-24 bench	563.95	378-438	4" PVC	438	109	CD pump	8	185	low recharge well; purges dry at 1 casing volume
MW-25		542.90	85-105	4" PVC	105	87	CD pump	5	32	
MW-26		502.22	52-72	4" PVC	71	46	CD pump	7	50	
MW-27	floodplain	460.56	7-17	2" PVC	17	4	Ded. Redi-Flo AR	1	7	
MW-28-25	floodplain	466.85	13-23	2" PVC	23	10	Ded. Redi-Flo AR	1	5	
MW-28-90	floodplain	467.66	70-90	2" PVC	95	12	Ded. Redi-Flo AR	2	50	
MW-29	floodplain	485.21	30-40	2" PVC	40	29	Ded. Mini-Monsoon	0.5	6	
MW-30-30	floodplain	468.12	12-32	2" PVC	32	12	Ded. Redi-Flo AR	1.5	10	
MW-30-50	floodplain	468.81	41-51	4" PVC	51	13	Ded. Redi-Flo AR	2	75	
MW-31-060	MW-20 bench	496.81	42-62	4" PVC	62	41	CD pump	7	40	
MW-31-135	MW-20 bench	498.11	113-133	2" PVC	133	42	Redi-Flo AR	3	60	
MW-32-20	floodplain	461.51	10-20	2" PVC	20	6	Ded. Redi-Flo AR	1.5	6	
MW-32-35	floodplain	461.63	28-35	4" PVC	35	5	Ded. Redi-Flo AR	2	60	

Updated March 2005

Table 1
Well Construction and Sampling Summary
PG&E Topock Groundwater Monitoring Program

Well ID	Site Area	Measure Point Elevation feet MSL	Screen Interval feet BGS	Well Casing	Well Depth feet BGS	Depth to Water May-04 feet TOC	Sampling System	Typical Purge Rate gpm	Typical Purge Volume gallons	Remarks
MW-33-40	floodplain	487.41	30-40	4" PVC	40	31	Ded. Mini-Monsoon	0.5	4	
MW-33-90	floodplain	487.57	77-87	4" PVC	87	31	Ded. Redi-Flo AR	2	110	
MW-34-55	floodplain	460.88	45-55	4" PVC	55	5	Ded. Redi-Flo AR	2	100	
MW-34-80	floodplain	460.99	73-83	4" PVC	83	5	Ded. Redi-Flo AR	3	150	
MW-35-060	north area	483.51	37-57	2" PVC	57	28	Redi-Flo AR	2	18	
MW-35-135	north area	483.57	117-137	2" PVC	157	28	Redi-Flo AR	3	66	
MW-36-20	floodplain	469.32	10-20	1" PVC	20	13	Peristaltic	0.5	4	
MW-36-40	floodplain	469.64	30-40	1" PVC	40	14	Peristaltic	0.5	4	
MW-36-50	floodplain	469.65	46-51	1" PVC	51	14	Peristaltic	0.8	5	
MW-36-70	floodplain	469.31	60-70	1" PVC	70	13	Peristaltic	0.5	7	
MW-36-90	floodplain	469.68	80-90	1" PVC	90	14	Peristaltic	0.4	10	
MW-36-100	floodplain	469.69	88-98	2" PVC	108	13	Ded. Redi-Flo AR	2	45	
MW-37S	Bat Cave Wash	485.97	64-84	2" PVC	84	30	Redi-Flo AR	2	30	
MW-37D	Bat Cave Wash	486.19	180-200	2" PVC	225	30	Redi-Flo AR	3	100	
MW-38S	Bat Cave Wash	525.51	75-95	2" PVC	95	90	Redi-Flo AR	1	13	
MW-38D	Bat Cave Wash	525.31	153-173	2" PVC	188	68	Redi-Flo AR	3	60	
MW-39-40	floodplain	468.02	30-40	1" PVC	40	12	Peristaltic	0.5	3.5	
MW-39-50	floodplain	467.93	47-52	1" PVC	52	12	Peristaltic	0.5	5	
MW-39-60	floodplain	468.00	49-59	1" PVC	64	12	Peristaltic	0.5	6	
MW-39-70	floodplain	468.02	60-70	1" PVC	70	12	Peristaltic	0.5	7	
MW-39-80	floodplain	467.92	70-80	1" PVC	80	12	Peristaltic	0.5	9	
MW-39-100	floodplain	468.01	80-100	2" PVC	115	12	Ded. Redi-Flo AR	2	45	
MW-40S	I-40 median	566.04	115-135	2" PVC	135	110	Redi-Flo AR	2	13	
MW-40D	I-40 median	566.08	240-260	2" PVC	265	110	Redi-Flo AR	1-2	75	
MW-41S	Bat Cave Wash	480.07	40-60	2" PVC		27	Redi-Flo AR	2	18	
MW-41M	Bat Cave Wash	479.84	170-190	2" PVC		26	Redi-Flo AR	3	85	
MW-41D	Bat Cave Wash	479.42	271-291	2" PVC		26	Redi-Flo AR	3	145	

Updated March 2005

Table 1
Well Construction and Sampling Summary
PG&E Topock Groundwater Monitoring Program

Well ID	Site Area	Measure Point Elevation feet MSL	Screen Interval feet BGS	Well Casing	Well Depth feet BGS	Depth to Water May-04 feet TOC	Sampling System	Typical Purge Rate gpm	Typical Purge Volume gallons	Remarks
Test and Water Supply Wells										
PGE-6	MW-24 bench	563.32	110-180	14" steel	180	108	CD pump	24	650	inactive supply
PGE-7	MW-24 bench	563.89	195-330	14" steel & 7'	330	109	CD pump	12	600	inactive supply
PGE-8	Station	596.01	405-554	8" steel	562	114	CD pump	20	1,900	inactive injection
Park Moabi	Park Moabi	518.55	80-200	8" steel	210	61	active supply well	---	---	call Park Ranger to schedule sampling
TW-01	Plan B test	620.55	169-269	5" PVC	269	167	CD pump	20	200	inactive pilot test well
Other Site Wells not in GMP										
TW-2S	MW-20 bench	499.05	44-94	6" PVC	99	42	CD pump	---	---	IM extraction well
TW-2D	MW-20 bench	499.57	113-153	6" PVC	153	42	CD pump	---	---	active IM extraction well
MW-01	New Ponds	661.76	201-211	4" PVC	212	209	air bladder pump	---	---	active PG&E pond monitoring well
MW-03	New Ponds	650.51	189-207	4" PVC	207	194	air bladder pump	---	---	active PG&E pond monitoring well
MW-04	New Ponds	625.73	165-175	4" PVC	177	169	air bladder pump	---	---	active PG&E pond monitoring well
MW-05	New Ponds	635.69	176-185	4" PVC	185	179	air bladder pump	---	---	active PG&E pond monitoring well
MW-06	New Ponds	642.84	185-194	4" PVC	194	186	air bladder pump	---	---	active PG&E pond monitoring well
MW-07	New Ponds	631.91	173-182	4" PVC	183	175	air bladder pump	---	---	active PG&E pond monitoring well
MW-08	New Ponds	627.54	169-178	4" PVC	179	170	air bladder pump	---	---	active PG&E pond monitoring well
P-2	New Ponds	NA	239-249	4" PVC	249	170	---	---	---	inactive monitoring well
MWP-08	Old Ponds	677.48	181-211	3" PVC	211	---	---	---	---	inactive monitoring well
MWP-10	Old Ponds	675.81	194-234	3" PVC	235	---	---	---	---	inactive monitoring well
MWP-12	Old Ponds	663.49	96-136	4" PVC	143	---	---	---	---	inactive monitoring well

NOTES:

1. Well elevations from well surveys conducted Feb. 2004 and May 2004. Well depth, and screen interval and water level depths rounded-off to whole-foot values.
2. Abbreviations: BGS = below ground surface, MSL = mean sea level, TOC = top of polyvinyl chloride (PVC) casing, ---= not known or available, gpm = gallons per minute
3. CD pump = dedicated constant-discharge electric submersible pump, Redi-Flo AR = adjustable-rate electric submersible pump
4. All GMP wells except low recharge wells and Park Moabi well are purged and sampled using well-volume method.

Table 2
Groundwater COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-9	12-Jun-03		0.343	0.349	3,690	7.65
	11-Sep-03		0.376	0.34	3,260	7.49
	12-Dec-03		0.357	0.46	3,490	7.56
	16-Mar-04		0.342	0.297	3,150	7.5
	09-Jun-04		0.359	0.334	3,160	7.82
	21-Sep-04		0.265	0.333	3,340	7.63
	17-Dec-04		---	0.306	3,450	7.51
	11-Jan-05		0.279	---	---	---
MW-10	12-Jun-03		1.65	1.75	4,280	7.75
	11-Sep-03		1.92	1.75	3,330	7.6
	12-Dec-03		1.92	4.2	3,260	7.68
	16-Mar-04		1.35	1.11	3,700	7.79
	10-Jun-04		1.39	1.3	3,670	7.88
	21-Sep-04		1.56	1.96	3,640	7.59
	17-Dec-04		---	1.32	3,400	7.53
	11-Jan-05		1.21	---	---	---
MW-11	12-Jun-03		0.429	0.453	2,930	7.93
	12-Jun-03	FD	0.415	0.435	2,670	7.62
	11-Sep-03		0.412	0.376	2,440	7.52
	12-Dec-03		0.566	0.772	2,450	7.51
	16-Mar-04		0.432	0.358	2,520	7.48
	10-Jun-04		0.424	0.394	2,280	7.54
	21-Sep-04		0.32	0.431	2,540	7.56
	17-Dec-04		---	0.393	2,500	7.52
	11-Jan-05		0.323	---	---	---
MW-12	11-Jun-03		1.28	1.08	4,250	8.42
	09-Sep-03		1.31	1.24	4,040	8.34
	10-Dec-03		1.39	1.72	4,130	8.39
	16-Mar-04		1.33	1.24	4,270	8.4
	09-Jun-04		1.56	1.57	4,570	8.31
	09-Jun-04	FD	1.56	1.39	4,420	8.29
	20-Sep-04		1.39	1.49	2,280	8.24
MW-13	12-Jun-03		0.0159	0.18	2,410	7.88
	12-Sep-03		0.0196	0.0272	2,070	7.6
	12-Sep-03	FD	0.0196	0.0184	2,060	7.63
	12-Dec-03		0.024	0.0177	2,070	7.65
	12-Dec-03	FD	0.0264	0.0174	2,070	7.64
	17-Mar-04		0.0197	0.0177	2,130	7.56
	17-Mar-04	FD	0.0197	0.0163	2,120	7.57
	09-Jun-04		0.0188	0.0176	1,970	7.61
	24-Sep-04		0.0197	0.0209	2,150	7.64
	24-Sep-04	FD	0.0197	0.0197	2,120	7.56
	16-Dec-04		0.0193	0.016	1,910	7.78
MW-14	12-Jun-03		0.0306	0.0309	1,720	7.98

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Well ID	Sample Date		Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-14	11-Sep-03		0.0473	0.0324	1,553	7.76
	12-Dec-03		0.0445	0.0293	1,550	7.8
	16-Mar-04		0.0436	0.0268	1,550	7.79
	08-Jun-04		0.0326	0.0363	1,340	7.71
	08-Jun-04	FD	0.0322	0.0343	1,570	7.7
	20-Sep-04		0.0336	0.0303	1,520	7.74
	20-Sep-04	FD	0.0334	0.0314	1,540	7.76
	16-Dec-04		0.0313	0.0242	1,530	7.82
MW-15	12-Jun-03		0.0111	0.013	1,780	7.85
	11-Sep-03		0.0208	0.0116	1,273	7.81
	12-Dec-03		0.0131	0.0082	1,380	7.81
	16-Mar-04		0.0164	0.0079	1,700	7.69
	07-Jun-04		0.008	0.0094	1,500	7.77
	22-Sep-04		0.0079	0.0075	1,340	7.8
	17-Dec-04		0.0077	0.0065	1,330	7.76
MW-16	12-Jun-03		0.0147	0.0135	1,360	8.06
	11-Sep-03		0.0184	0.0052	1,145	7.96
	12-Dec-03		0.0131	0.0075	1,190	7.98
	16-Mar-04		0.0175	0.0097	1,200	7.98
	09-Jun-04		0.009	0.0098	1,130	8.13
	16-Dec-04		0.0104	0.0109	1,230	7.99
MW-17	11-Sep-03		0.0023	0.002	1,782	7.71
	05-Nov-03		0.0055	0.008	---	---
	12-Dec-03		0.0093	0.0137	1,800	7.73
	16-Mar-04		0.0067	0.0064	1,840	7.81
	07-Jun-04		0.0127	0.0144	1,770	7.82
	16-Dec-04		0.0118	0.0098	1,800	7.9
MW-18	12-Jun-03		0.0233	0.0312	1,600	7.87
	11-Sep-03		0.0461	0.0307	1,272	7.71
	12-Dec-03		0.0349	0.0309	1,270	7.72
	16-Mar-04		0.0349	0.0303	1,290	7.64
	09-Jun-04		0.0245	0.0256	716	7.86
	24-Sep-04		0.0291	0.0309	1,300	7.63
	16-Dec-04		0.0306	0.0252	1,270	7.8
MW-19	11-Jun-03		0.581	0.614	2,410	7.77
	12-Sep-03		0.725	0.602	2,350	7.62
	10-Dec-03		0.751	0.639	2,360	7.66
	16-Mar-04		0.796	0.589	2,350	7.93
	08-Jun-04		0.813	0.718	2,100	7.43
	20-Sep-04		0.732	0.994	2,300	7.69
	17-Dec-04		0.796	0.786	2,240	7.63
MW-20-70	11-Jun-03		11.9	9.23	3,810	7.62
	09-Sep-03		9.69	10.8	3,380	7.73
	10-Dec-03		9.87	15.9	3,420	7.66

Table 2
Groundwater COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-20-70	15-Mar-04	11.2	9.77	3,650	7.56
	11-May-04	11	12	---	---
	11-Jun-04	12.4	11.3	3,870	7.62
	24-Sep-04	7.68	7.8	3,370	7.63
	16-Dec-04	7.8	7.84	3,250	7.62
MW-20-100	11-Jun-03	2.77	2.18	5,740	7.78
	09-Sep-03	2.74	2.63	5,470	7.8
	10-Dec-03	2.79	3.17	5,460	7.79
	15-Mar-04	3.49	2.94	5,500	7.74
	11-May-04	4.74	3.96	---	---
	11-Jun-04	3.91	3.5	5,520	7.74
	24-Sep-04	5.89	5.48	4,970	7.7
	16-Dec-04	8.13	7.91	4,470	7.69
MW-20-130	11-Jun-03	6.44	5.02	17,000	7.73
	09-Sep-03	6.08	6	16,400	7.79
	10-Dec-03	5.94	7.06	16,600	7.76
	15-Mar-04	7.96	6.67	14,900	7.76
	11-May-04	7.71	7.26	---	---
	11-Jun-04	7.86	7.27	12,000	7.75
	24-Sep-04	7.38	7.49	12,100	7.73
	27-Jan-05	8.6	9.4	12,300	7.88
MW-21	12-Jun-03	ND (0.01)	0.0023 J	13,800	7.52
	10-Sep-03	ND (0.0002) +	ND (0.001)	13,220	7.22
	04-Nov-03	ND (0.0002) +	ND (0.001)	---	---
	11-Dec-03	ND (0.0002) +	0.0033	13,000	7.16
	14-Jan-04	ND (0.0002) +	ND (0.001)	---	---
	16-Mar-04	ND (0.0002) J	ND (0.001)	12,900	7.28
	14-Apr-04	ND (0.0015) J	ND (0.008)	---	---
	11-May-04	ND (0.001)	ND (0.001) J	---	---
	08-Jun-04	ND (0.001) J	ND (0.001)	11,210	7.69
	14-Jul-04	ND (0.001)	ND (0.001)	---	---
	12-Aug-04	ND (0.001)	ND (0.001)	---	---
	21-Sep-04	ND (0.001)	ND (0.001)	10,000	7.34
	17-Dec-04	ND (0.0002) J	ND (0.001)	9,460	7.17
MW-22	10-Jun-03	ND (0.01)	0.005 J	23,200	7.12
	10-Sep-03	ND (0.0002)	0.0021	28,600	6.89
	11-Dec-03	ND (0.0002)	0.0104	29,200	6.95
	19-Mar-04	ND (0.005)	0.0022	26,600	6.96
	07-Jun-04	ND (0.002)	0.0022	25,300	7.04
	23-Sep-04	ND (0.002)	0.0066	32,700	6.99
	16-Dec-04	ND (0.001) J	0.007	34,300	6.88
MW-23	12-Jun-03	ND (0.01)	0.0011 J	20,100	7.43
	10-Sep-03	ND (0.0002)	ND (0.001)	17,820	7.08
	11-Dec-03	ND (0.0002)	0.0033	17,400	7.16
	16-Mar-04	0.0033 J	ND (0.001)	17,400	7.24

Table 2
Groundwater COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-23	08-Jun-04		0.0101	0.0105	16,960	7.31
	21-Sep-04		0.0068	0.0079	18,000	7.39
	17-Dec-04		0.0011	0.0015	17,300	7.14
MW-24A	12-Jun-03		2.64 J	2.51	4,030	7.85
	11-Sep-03		2.97	2.62	3,430	7.66
	11-Sep-03	FD	3.06	2.74	3,360	7.74
	10-Dec-03		2.99	3.32	3,350	7.74
	10-Dec-03	FD	3.03	4.08	3,310	7.74
	17-Mar-04		2.6	2.27	3,480	7.71
	17-Mar-04	FD	2.44	1.97	3,520	7.72
	08-Jun-04		2.66	2.39	3,450	7.85
	20-Sep-04		2.96	2.96	3,380	7.72
	17-Dec-04		---	2.89	3,400	7.63
	11-Jan-05		3.04	---	---	---
MW-24B	12-Jun-03		4.79	5.57	14,500	7.94
	11-Sep-03		4.76	4.32	12,950	7.97
	10-Dec-03		4.84	6.05	12,700	7.99
	17-Mar-04		4.86	3.9	13,100	8
	08-Jun-04		5.19	4.91	13,250	7.78
	21-Sep-04		5.1	4.94	13,400	8.1
	17-Dec-04		---	4.47	13,400	7.53
	17-Dec-04	FD	4.79	4.42	13,400	7.79
	11-Jan-05		5.26	---	---	---
MW-24BR	13-Jun-03		ND (0.01)	0.0029 J	14,500	8.29
	12-Sep-03		ND (0.0002)	0.0036 J	14,000	8.59
	11-Dec-03		ND (0.0002)	0.0046	14,000	8.6
	17-Mar-04		ND (0.001) J	0.0048	13,800	8.19
	08-Jun-04		ND (0.001)	ND (0.001)	13,960	7.92
	21-Sep-04		ND (0.001)	ND (0.001)	15,000	8
	17-Dec-04		ND (0.001)	0.0035	14,500	7.83
MW-25	12-Jun-03		2.44	2.72	2,180	7.94
	12-Jun-03	FD	2.48	3.41	2,020	7.82
	12-Sep-03		2.35	2.08	1,660	7.58
	12-Dec-03		2.21	3.22	1,660	7.62
	17-Mar-04		2.18	1.92	1,740	7.55
	17-Mar-04	FD	2.44	1.94	1,780	7.54
	14-May-04		2.3	1.97	---	---
	09-Jun-04		2.26	2.15	1,700	7.38
	22-Sep-04		1.97	1.94	1,620	7.6
MW-26	11-Jun-03		3.68	3.11	3,620	7.77
	09-Sep-03		3.51	3.34	3,460	7.49
	10-Dec-03		3.89	5	3,570	7.67
	16-Mar-04		3.97	3.58	3,540	7.62
	14-May-04		4.06	4.24	---	---
	08-Jun-04		3.89	3.65	3,640	7.52

Table 2
Groundwater COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-26	08-Jun-04	FD	4	3.61	3,580	7.61
	22-Sep-04		3.67	3.71	3,650	7.56
	16-Dec-04		3.79	3.8	3,410	7.6
MW-27-20	10-Jun-03		ND (0.01)	0.0105	958	7.64
	10-Sep-03		ND (0.0002)	ND (0.001)	958	7.6
	04-Nov-03		ND (0.0002)	ND (0.001)	---	---
	11-Dec-03		ND (0.0002)	0.001	978	7.7
	13-Jan-04		ND (0.0002)	ND (0.001)	---	---
	19-Feb-04		ND (0.0002)	ND (0.001)	---	---
	17-Mar-04		ND (0.0002)	ND (0.0012)	963	7.64
	13-Apr-04		ND (0.0002)	ND (0.001)	---	---
	12-May-04		ND (0.001)	ND (0.001)	---	---
	08-Jun-04		ND (0.0002)	ND (0.001)	929	7.61
	13-Jul-04		ND (0.0002)	ND (0.001)	---	---
	11-Aug-04		ND (0.0002)	ND (0.001)	---	---
	21-Sep-04		ND (0.0002)	ND (0.001)	1,110	7.59
	19-Oct-04		ND (0.0002)	ND (0.001)	---	---
	15-Nov-04		ND (0.0002) R	ND (0.001)	---	---
	02-Dec-04		ND (0.0002)	---	---	---
	15-Dec-04		ND (0.0002)	ND (0.001)	1,130	7.91
MW-28-25	10-Jun-03		ND (0.01)	0.012	1,820	7.56
	10-Sep-03		ND (0.0002)	ND (0.001)	1,290	7.56
	10-Sep-03	FD	ND (0.0002)	ND (0.001)	1,290	7.54
	04-Nov-03		ND (0.0002)	ND (0.001)	---	---
	11-Dec-03		ND (0.0002)	ND (0.001)	1,330	7.58
	13-Jan-04		ND (0.0002)	0.0015	---	---
	20-Feb-04		ND (0.0002)	ND (0.001)	---	---
	17-Mar-04		ND (0.0002)	ND (0.0012)	2,050	7.56
	13-Apr-04		ND (0.00075) J	0.0012	---	---
	11-May-04		ND (0.0002)	ND (0.001)	---	---
	07-Jun-04		ND (0.0002)	ND (0.001)	1,340	7.54
	13-Jul-04		ND (0.0002)	ND (0.001)	---	---
	11-Aug-04		ND (0.0002)	ND (0.001)	---	---
	20-Sep-04		ND (0.0002)	ND (0.001)	1,270	7.44
	19-Oct-04		ND (0.0002)	ND (0.001)	---	---
	15-Nov-04		ND (0.0002) R	ND (0.001)	---	---
	02-Dec-04		ND (0.0002)	---	---	---
	14-Dec-04		ND (0.0002)	ND (0.001)	1,260	7.8
MW-28-90	10-Jun-04		ND (0.001)	ND (0.001)	---	---
	20-Sep-04		ND (0.001)	ND (0.001)	10,000	7.65
	19-Oct-04		ND (0.001)	0.0011	---	---
	15-Nov-04		ND (0.0002) R	ND (0.001)	---	---
	13-Dec-04		ND (0.0002) J	ND (0.001)	9,900	7.87
MW-29	11-Jun-03		ND (0.01) J	0.0033 J	5,030	7.39
	10-Sep-03		ND (0.0002) +	ND (0.001)	3,960	7.28

Table 2
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June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-29	11-Dec-03		ND (0.0002) +	ND (0.001)	5,880	7.28
	19-Feb-04		ND (0.0002) J	ND (0.0018)	---	---
	18-Mar-04		ND (0.0002)	ND (0.001)	8,210	7.28
	13-Apr-04		ND (0.0002)	ND (0.001)	---	---
	11-May-04		ND (0.0002)	0.0029	---	---
	09-Jun-04		ND (0.0002)	ND (0.001)	2,860	7.62
	13-Jul-04		ND (0.0002)	ND (0.001)	---	---
	11-Aug-04		ND (0.0002)	ND (0.001)	---	---
	20-Sep-04		ND (0.0002)	ND (0.001)	2,850	7.41
	19-Oct-04		ND (0.0002)	ND (0.001)	---	---
	15-Nov-04		ND (0.0002) R	ND (0.001)	---	---
	02-Dec-04		ND (0.0002)	---	---	---
	14-Dec-04		ND (0.0002) J	ND (0.001)	8,050	7.51
MW-30-30	10-Jun-03		ND (0.01)	0.0061	35,300	7.06
	10-Sep-03		ND (0.0002) +	0.0016	51,300	6.97
	04-Nov-03		ND (0.0002) +	ND (0.001)	---	---
	11-Dec-03		ND (0.0002) +	0.0053	48,300	7.06
	14-Jan-04		ND (0.0002) +	0.0017	---	---
	19-Feb-04		ND (0.0002) +	ND (0.0018)	---	---
	18-Mar-04		ND (0.005)	ND (0.001)	43,200	6.98
	14-Apr-04		ND (0.0038) J	ND (0.0013)	---	---
	12-May-04		ND (0.005)	ND (0.001)	---	---
	09-Jun-04		ND (0.005)	ND (0.001)	34,500	7.53
	14-Jul-04		ND (0.005)	ND (0.001)	---	---
	12-Aug-04		ND (0.005)	ND (0.001)	---	---
	23-Sep-04		ND (0.005)	ND (0.001)	47,800	7.04
	20-Oct-04		ND (0.005)	ND (0.001)	---	---
	16-Nov-04		ND (0.005)	ND (0.001)	---	---
	15-Dec-04		ND (0.005)	ND (0.001)	56,800	6.97
MW-30-50	10-Jun-03		2.71	2.6	9,330	7.58
	10-Jun-03	FD	2.77	2.72	9,140	7.46
	10-Sep-03		0.0906	0.175	9,240	7.24
	04-Nov-03		ND (0.0002) +	ND (0.001)	---	---
	04-Nov-03	FD	ND (0.0002) +	ND (0.001)	---	---
	12-Dec-03		ND (0.0002) +	0.0081 J	3,160	7.68
	12-Dec-03	FD	ND (0.0002) +	0.0049 J	3,140	7.84
	14-Jan-04		ND (0.0002)	0.0037	---	---
	19-Feb-04		0.384	0.333	---	---
	18-Mar-04		1.65	1.41	9,990	7.32
	18-Mar-04	FD	1.52	1.3	9,970	7.32
	15-Apr-04		1.98	2.13	---	---
	15-Apr-04	FD	1.92	2.05	---	---
	14-May-04		2.01	1.73	---	---
	14-May-04	FD	1.87	1.65	---	---
	09-Jun-04		1.71	1.64	9,880	7.53

Table 2
Groundwater COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-30-50	09-Jun-04	FD	1.69	1.64	9,950	7.41
	15-Jul-04		1.17	1.14	---	---
	15-Jul-04	FD	1.19	1.16	---	---
	12-Aug-04		0.756	0.689	---	---
	12-Aug-04	FD	0.752	0.79	---	---
	23-Sep-04		0.831	0.739	10,300	7.38
	23-Sep-04	FD	0.774	0.754	10,300	7.36
	21-Oct-04		0.487	0.464	---	---
	17-Nov-04		0.243	0.257	---	---
	15-Dec-04		0.0294	0.0339	10,500	7.48
	15-Dec-04	FD	0.0262	0.0365	10,500	7.43
MW-31-60	11-Jun-03		3.57	3.16	3,150	7.7
	09-Sep-03		3.55	3.46	2,960	7.72
	10-Dec-03		3.66	5.01	2,980	7.68
	16-Mar-04		4.45	3.23	3,020	7.63
	14-May-04		3.61	3.8	---	---
	08-Jun-04		3.51	3.3	2,890	7.66
	22-Sep-04		3.09	3.07	2,880	7.66
	16-Nov-04		2.92	3.25	---	---
	16-Dec-04		2.91	2.68	2,750	7.75
MW-31-135	16-Apr-04		0.331	0.378	11,800	---
	16-Apr-04	FD	0.354	0.396	---	---
	10-Jun-04		0.266	0.261	---	---
	23-Sep-04		0.282	0.246	11,200	7.95
	14-Dec-04		0.41 J	0.407	11,300	7.9
MW-32-20	10-Jun-03		ND (0.01)	0.0031 J	6,510	6.95
	10-Sep-03		ND (0.0002) +	ND (0.001)	6,610	6.78
	04-Nov-03		ND (0.0002) +	ND (0.001)	---	---
	11-Dec-03		ND (0.0002) +	0.0058	11,500	7.03
	13-Jan-04		ND (0.0002) R	ND (0.001)	---	---
	18-Feb-04		ND (0.001)	ND (0.001)	---	---
	18-Mar-04		ND (0.0002) J	ND (0.001)	9,300	6.85
	13-Apr-04		ND (0.00075) J	ND (0.001)	---	---
	12-May-04		ND (0.001)	ND (0.001)	---	---
	07-Jun-04		ND (0.001)	ND (0.001)	7,080	6.88
	13-Jul-04		ND (0.001)	ND (0.001)	---	---
	11-Aug-04		ND (0.002)	ND (0.001)	---	---
	20-Sep-04		ND (0.002)	ND (0.001)	27,800	7
	19-Oct-04		ND (0.001)	ND (0.001)	---	---
	15-Nov-04		ND (0.001) R	ND (0.001)	---	---
	02-Dec-04		ND (0.001)	---	---	---
	14-Dec-04		ND (0.001) J	ND (0.001)	24,600	7.08
MW-32-35	10-Jun-03		ND (0.01)	0.0038 J	7,540	7.31
	10-Sep-03		ND (0.0002) +	ND (0.001)	6,930	7.2
	04-Nov-03		ND (0.0002) +	ND (0.001)	---	---

Table 2
Groundwater COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-32-35	11-Dec-03		ND (0.0002) +	0.002	6,560	7.26
	13-Jan-04		ND (0.0002) R	0.0133	---	---
	18-Feb-04		ND (0.0002) +	ND (0.001)	---	---
	18-Mar-04		ND (0.0002)	ND (0.001)	6,720	7.16
	13-Apr-04		ND (0.00075) J	0.0017	---	---
	12-May-04		ND (0.001)	ND (0.001)	---	---
	08-Jun-04		ND (0.001)	ND (0.001)	6,990	7.17
	14-Jul-04		ND (0.001)	ND (0.001)	---	---
	11-Aug-04		ND (0.001)	ND (0.001)	---	---
	21-Sep-04		ND (0.001)	ND (0.001)	7,530	7.19
	19-Oct-04		ND (0.001)	ND (0.001)	---	---
	15-Nov-04		ND (0.001) R	ND (0.001)	---	---
	02-Dec-04		ND (0.001)	---	---	---
	15-Dec-04		ND (0.001)	ND (0.001)	6,580	7.61
MW-33-40	11-Jun-03		ND (0.01) J	0.0034 J	4,190	8.62
	10-Sep-03		ND (0.0002) +	ND (0.001)	14,880	7.84
	04-Nov-03		ND (0.0002) +	ND (0.001)	---	---
	11-Dec-03		ND (0.0002) +	0.0035	14,200	7.73
	13-Jan-04		ND (0.0002) R	0.0022	---	---
	19-Feb-04		ND (0.0002) +	ND (0.0018)	---	---
	18-Mar-04		ND (0.0002)	ND (0.001)	5,420	8.29
	14-Apr-04		ND (0.00075) J	ND (0.0049)	---	---
	12-May-04		ND (0.001)	ND (0.001)	---	---
	09-Jun-04		ND (0.001)	ND (0.001)	3,970	8.44
	13-Jul-04		ND (0.0002)	ND (0.001)	---	---
	11-Aug-04		ND (0.001)	ND (0.001)	---	---
	21-Sep-04		ND (0.001)	ND (0.001)	17,400	7.77
	20-Oct-04		ND (0.001)	ND (0.001)	---	---
	16-Nov-04		ND (0.001)	ND (0.001)	---	---
	15-Dec-04		ND (0.0002) J	ND (0.001)	8,380	7.98
MW-33-90	11-Jun-03		ND (0.01) J	0.0033 J	8,240	8.36
	12-Sep-03		ND (0.0002)	0.0017 J	8,910	7.76
	04-Nov-03		ND (0.0002) +	ND (0.001)	---	---
	13-Jan-04		0.00069 R	ND (0.001)	---	---
	17-Feb-04		0.0139	0.0118	---	---
	17-Feb-04	FD	0.0135	0.0112	---	---
	18-Mar-04		0.0155	0.0114	7,970	7.74
	14-Apr-04		0.0121	0.012	---	---
	13-May-04		0.0161	0.0135	---	---
	13-May-04	FD	0.0152	0.0125	---	---
	10-Jun-04		0.0141	0.0167	6,560	8.01
	14-Jul-04		0.0146	0.0126	---	---
	12-Aug-04		0.0148	0.0128	---	---
	21-Sep-04		0.014	0.014	9,320	7.78
	20-Oct-04		0.0156	0.0141	---	---

Table 2
Groundwater COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-33-90	16-Nov-04		0.0148	0.0127	---	---
	14-Dec-04		0.016	0.0148	8,130	7.83
MW-34-55	16-Jun-03		ND (0.01)	0.0038 J	10,300	7.38
	17-Jun-03		ND (0.01)	0.0041 J	11,000	7.51
	10-Sep-03		ND (0.0002) +	0.0017	7,050	7.44
	04-Nov-03		ND (0.0002) +	ND (0.001)	---	---
	12-Dec-03		ND (0.0002) +	0.0018	2,840	7.52
	13-Jan-04		ND (0.0002) R	ND (0.001)	---	---
	18-Feb-04		ND (0.0002) +	ND (0.001)	---	---
	17-Mar-04		ND (0.001) J	ND (0.001)	10,600	7.38
	15-Apr-04		ND (0.0015) J	ND (0.001)	---	---
	13-May-04		ND (0.001)	ND (0.001)	---	---
	08-Jun-04		ND (0.001)	ND (0.001)	9,460	7.43
	14-Jul-04		ND (0.001)	ND (0.001)	---	---
	11-Aug-04		ND (0.001)	ND (0.001)	---	---
	22-Sep-04		ND (0.001)	ND (0.001)	8,920	7.47
	20-Oct-04		ND (0.001)	ND (0.001)	---	---
	16-Nov-04		ND (0.001)	ND (0.001)	---	---
	15-Dec-04		ND (0.0002) J	ND (0.001)	9,120	7.68
MW-34-80	16-Jun-03		ND (0.01)	0.0087	13,800	7.49
	17-Jun-03		ND (0.01)	0.0032 J	14,800	7.57
	10-Sep-03		ND (0.0002) +	ND (0.001)	13,380	7.47
	04-Nov-03		ND (0.0002) +	ND (0.001)	---	---
	11-Dec-03		0.0377	0.0452	14,100	7.72
	13-Jan-04		0.0047 R	0.0145 J	---	---
	13-Jan-04	FD	0.0034 R	0.0094 J	---	---
	18-Feb-04		0.0204	0.0165	---	---
	17-Mar-04		0.0057	0.006	13,900	7.61
	16-Apr-04		0.00086	0.0016	---	---
	13-May-04		ND (0.001)	ND (0.001) J	---	---
	13-May-04	FD	ND (0.001)	ND (0.001)	---	---
	08-Jun-04		ND (0.001)	ND (0.001)	13,600	7.31
	15-Jul-04		ND (0.001)	ND (0.001)	---	---
	15-Jul-04	FD	ND (0.001)	ND (0.001)	---	---
	12-Aug-04		ND (0.001)	ND (0.001)	---	---
	12-Aug-04	FD	ND (0.001)	ND (0.001)	---	---
	23-Sep-04		ND (0.001)	ND (0.001)	13,200	7.41
	23-Sep-04	FD	ND (0.001)	ND (0.001)	12,600	7.46
	20-Oct-04		ND (0.001)	ND (0.001)	---	---
	17-Nov-04		ND (0.001)	ND (0.001)	---	---
	17-Nov-04	FD	ND (0.001)	ND (0.001)	---	---
	13-Dec-04		ND (0.001)	ND (0.001)	13,700	7.6
MW-35-60	15-Apr-04		0.0048	0.0054	5,880	---
	10-Jun-04		0.0197	0.0182	---	---
	22-Sep-04		0.0275	0.0237	6,870	7.54

Table 2
Groundwater COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-35-60	13-Dec-04		0.0268	0.027	6,700	7.67
MW-35-135	15-Apr-04		ND (0.00075)	ND (0.001)	10,800	---
	10-Jun-04		0.0114	0.0129	---	---
	23-Sep-04		0.0076	0.0063	10,500	7.72
	23-Sep-04	FD	0.0079	0.0066	10,700	7.75
	13-Dec-04		0.0156 J	0.016	9,790	7.9
	13-Dec-04	FD	0.0157 J	0.0141	10,100	7.91
MW-36-20	15-Jun-04		ND (0.001)	ND (0.001)	---	---
	21-Sep-04		ND (0.001)	ND (0.001)	23,800	7.39
	19-Oct-04		ND (0.002)	0.0024	---	---
	17-Nov-04		ND (0.001)	0.0065 J	---	---
	17-Nov-04	FD	ND (0.001)	ND (0.001) J	---	---
	14-Dec-04		ND (0.002) J	ND (0.001)	27,700	7.34
MW-36-40	16-Jun-04		ND (0.001)	ND (0.001)	---	---
	21-Sep-04		ND (0.001)	ND (0.001)	10,600	7.48
	19-Oct-04		ND (0.001)	ND (0.001)	---	---
	17-Nov-04		ND (0.001)	ND (0.001)	---	---
	14-Dec-04		ND (0.001)	ND (0.001)	13,300	7.55
MW-36-50	17-Jun-04		ND (0.001)	ND (0.001)	---	---
	21-Sep-04		ND (0.001)	ND (0.001)	9,650	7.54
	19-Oct-04		ND (0.001)	ND (0.001)	---	---
	17-Nov-04		ND (0.001)	ND (0.001)	---	---
	14-Dec-04		ND (0.0002) J	ND (0.001)	9,080	7.66
MW-36-70	17-Jun-04		ND (0.001)	0.0012	---	---
	22-Sep-04		ND (0.001)	ND (0.001)	11,300	7.37
	20-Oct-04		ND (0.001)	ND (0.001)	---	---
	17-Nov-04		ND (0.001)	ND (0.001)	---	---
	14-Dec-04		ND (0.0002) J	ND (0.001)	10,600	7.37
MW-36-90	15-Jun-04		3.27	3.45	---	---
	23-Sep-04		3.37	2.78	14,800	7.75
	23-Sep-04	FD	3.42	2.97	14,300	7.75
	19-Oct-04		3.2	2.94	---	---
	17-Nov-04		2.77	2.7	---	---
	14-Dec-04		2.27	2.13	15,600	7.77
	14-Dec-04	FD	2.27	2.18	15,800	7.76
MW-36-100	15-Jun-04		2.8	2.49	---	---
	23-Sep-04		2.71	2.33	15,200	7.73
	21-Oct-04		2.64	2.3	---	---
	21-Oct-04	FD	2.62	2.25	---	---
	17-Nov-04		2.15	2.27	---	---
	14-Dec-04		1.79	1.81	14,700	7.72
MW-37D	11-Jun-04		0.951	0.854	---	---
	24-Sep-04		1.25	1.31	13,900	7.82
	24-Sep-04	FD	1.25	1.25	14,200	7.85

Table 2
Groundwater COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-37D	14-Dec-04		1.48	1.52	13,900	7.81
	14-Dec-04	FD	1.48	1.49	13,900	7.8
MW-37S	10-Jun-04		0.0028	0.0027	---	---
	23-Sep-04		0.0075	0.0068	4,430	7.64
	13-Dec-04		0.0062	0.007	4,480	7.93
MW-38D	10-Jun-04		0.0769	0.0835	---	---
	23-Sep-04		0.27	0.237	19,500	7.94
	14-Dec-04		0.279	0.264	20,500	7.87
MW-38S	14-May-04		0.332	0.373	3,500	---
	11-Jun-04		0.509	0.493	---	---
	24-Sep-04		0.894	0.891	4,000	7.43
	14-Dec-04		0.964	1.01	4,310	7.82
MW-39-40	18-Jun-04		ND (0.001)	ND (0.001)	---	---
	24-Sep-04		ND (0.001)	ND (0.001)	5,980	7.81
	20-Oct-04		ND (0.001)	ND (0.001)	---	---
	17-Nov-04		ND (0.0002)	0.0014	---	---
	15-Dec-04		ND (0.0002)	ND (0.001)	5,920	7.7
MW-39-50	18-Jun-04		3.48	3.92	---	---
	24-Sep-04		2.96	2.96	8,190	7.66
	20-Oct-04		2.63	2.65	---	---
	18-Nov-04		1.85	1.72	---	---
	15-Dec-04		1.47	1.48	11,000	7.48
MW-39-60	18-Jun-04		3.54	3.55	---	---
	18-Jun-04	FD	3.48	3.58	---	---
	24-Sep-04		3.81	3.61	7,410	7.74
	20-Oct-04		3.59	3.48	---	---
	20-Oct-04	FD	3.67	3.44	---	---
	18-Nov-04		3.21	3.13	---	---
	15-Dec-04		2.8	2.65	9,110	7.54
MW-39-70	18-Jun-04		8.21	8.49	---	---
	24-Sep-04		5.59	6.36	8,740	7.68
	21-Oct-04		6.41	5.94	---	---
	18-Nov-04		7.6	6.39	---	---
	15-Dec-04		5.04	5.86	9,190	7.61
MW-39-80	17-Jun-04		10	10.3	---	---
	24-Sep-04		8.47	7.57	10,800	7.58
	20-Oct-04		8.31	7.48	---	---
	18-Nov-04		9.68	8.85	---	---
	15-Dec-04		9.43	8.32	12,500	7.47
MW-39-100	15-Jun-04		12.5	11.5	---	---
	15-Jun-04	FD	12.3	12.1	---	---
	23-Sep-04		11.6	11.4	13,700	7.66
	21-Oct-04		11.4	10.6	---	---
	17-Nov-04		11.3	11.1	---	---

Table 2
Groundwater COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
MW-39-100	17-Nov-04	FD	11.3	12.7	---	---
	15-Dec-04		10.9	11	14,800	7.69
MW-40D	10-May-04		0.0375	0.0386	12,300	---
	14-Jun-04		0.0256	0.0288	---	---
	22-Sep-04		0.0341	0.03	14,700	7.72
	22-Sep-04	FD	0.0315	0.0306	14,500	7.72
	16-Dec-04		0.0385	0.0332	14,900	7.57
	16-Dec-04	FD	0.0368	0.0324	15,000	7.59
MW-40S	11-May-04		0.0021	0.0023	2,130	---
	15-Jun-04		0.0047	0.0047	---	---
	22-Sep-04		0.0077	0.0068	1,920	7.78
	16-Dec-04		0.0082	0.0078	1,970	7.77
MW-41D	18-Nov-04		ND (0.002)	0.0081	---	---
	15-Dec-04		ND (0.001)	ND (0.001)	19,500	7.49
MW-41M	18-Nov-04		0.0041	0.0035	---	---
	15-Dec-04		0.0053	0.0052	13,800	7.64
MW-41S	18-Nov-04		0.0074	0.0073	---	---
	16-Dec-04		0.0118	0.011	4,950	7.9
PGE-6	09-Sep-03		0.304	0.354	4,130	7.98
	09-Dec-03		0.671	0.776	4,220	7.71
PGE-7	10-Dec-03		4.74	6.78	14,300	8.08
PGE-8	09-Dec-03		ND (0.0002)	0.0038	17,100	8.48
Park Moabi	04-Nov-03		0.00028	0.0012	---	---
	11-Dec-03		0.0067	0.007	1,250	7.91
	16-Mar-04		0.0026	0.0021	1,260	7.87
	09-Jun-04		ND (0.0002)	ND (0.001)	1,140	7.7
	22-Sep-04		0.0094	0.0077	1,260	7.88
	15-Dec-04		ND (0.0002)	ND (0.001)	1,300	8.08
TW-1	21-Dec-04		3.82	3.79	6,260	7.8
TW-2D	09-Jun-04		7.41	6.98	---	---
	16-Dec-04		6.28	6.57	9,620	7.69
TW-2S	09-Jun-04		7.19	6.82	---	---
	16-Dec-04		5.08	5.49	3,270	7.7

Table 2
Groundwater COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

NOTES:

1. milligrams per liter (mg/L)
2. microSiemens per centimeter (µS/cm)
3. ND = not detected at listed reporting limit
   J = concentration or reporting limit estimated by laboratory or data validation
   R = result exceeded analytical criteria for precision and accuracy; should not be used for project decision-making
   + = the reporting limit (RL) for hexavalent chromium is estimated and might be as high as the total chromium RL
4. Hexavalent chromium analysis methods: SW 7196A (reporting limit 0.010 mg/L) and SW 7199 (reporting limit 0.0002 mg/L for undiluted samples).
5. Other analysis methods: total chromium (dissolved concentrations, Methods SW 6020A and SW 6010B), specific conductance (SW 9050), pH (SW 9040).
6. (---) = data not collected or not available
7. FD = field duplicate sample
8. The September 2003 total chromium (dissolved) results for samples: MW-16, MW-17, MW-21, MW-22, MW-23, MW-27, MW-28 (and MW-28 duplicate sample), MW-29, MW-30-30, MW-32-20, MW-32-35, MW-33-40, MW-34-55, and MW-34-80 are from laboratory re-analyses using Method SW 6010B
9. The December 2004 hexavalent chromium results for wells: MW-09, MW-10, MW-11 and MW-24A and MW-24B were rejected because they were analyzed out of holding time. Hexavalent chromium results from a January 2005 resample are presented.
10. Monitoring wells MW-12 and MW-25 were not sampled during the December 2004 event due to inactive pump and inaccessiblility due to construction activitites, respectively.

Table 3
Surface Water COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sample Date	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
A-Dock	08-Sep-03	ND (0.0002)	ND (0.001)	---	---
	17-Feb-04	ND (0.0002)	ND (0.001)	---	---
CON	11-Jun-03	ND (0.01)	0.003 J	988	8.31
	08-Sep-03	ND (0.0002)	ND (0.001)	930	8.1
	08-Dec-03	ND (0.0002)	ND (0.001)	977	8.31
	17-Feb-04	ND (0.0002)	ND (0.001)	---	---
	15-Mar-04	ND (0.0002)	ND (0.001)	990	8.23
	14-Apr-04	ND (0.0002)	ND (0.0033)	---	---
	12-May-04	ND (0.0002)	ND (0.001)	---	---
	10-Jun-04	ND (0.0002)	ND (0.001)	6,830	8.27
	15-Jul-04	ND (0.0002)	ND (0.001)	---	---
	10-Aug-04	ND (0.0002)	ND (0.001)	---	---
	23-Sep-04	ND (0.0002)	ND (0.001)	1,000	8.22
	19-Oct-04	ND (0.0002)	ND (0.001)	---	---
	15-Nov-04	ND (0.0002) R	ND (0.001)	---	---
	13-Dec-04	ND (0.0002)	ND (0.001)	1,020	8.23
I-3	10-Jun-03	ND (0.01) J	0.0034 J	969	8.27
	08-Sep-03	ND (0.0002)	ND (0.001)	936	8.11
	08-Dec-03	ND (0.0002)	ND (0.001)	984	8.28
	16-Feb-04	ND (0.0002)	ND (0.001)	---	---
	15-Mar-04	ND (0.0002)	ND (0.001)	997	8.23
	13-Apr-04	ND (0.0002)	0.0016	---	---
	13-May-04	ND (0.0002)	ND (0.001)	---	---
	10-Jun-04	ND (0.0002)	ND (0.001)	1,030	8.31
	15-Jul-04	ND (0.0002)	ND (0.001)	---	---
	10-Aug-04	ND (0.0002)	ND (0.001)	---	---
	23-Sep-04	ND (0.0002)	ND (0.001)	997	8.24
	19-Oct-04	ND (0.0002)	ND (0.001)	---	---
	15-Nov-04	ND (0.0002) R	ND (0.001)	---	---
	13-Dec-04	ND (0.0002)	ND (0.001)	1,020	8.26
Needles Ga	08-Sep-03	ND (0.0002)	ND (0.001)	---	---
	16-Feb-04	ND (0.0002)	ND (0.001)	---	---
NR-1	08-Sep-03	ND (0.0002)	ND (0.001)	---	---
	16-Feb-04	ND (0.0002)	ND (0.001)	---	---
	16-Mar-04	ND (0.0002)	ND (0.001)	990	8.3
	13-Apr-04	ND (0.0002)	ND (0.001)	---	---
	13-May-04	ND (0.0002)	ND (0.001)	---	---
	11-Jun-04	ND (0.0002)	ND (0.001)	1,040	7.88
	15-Jul-04	ND (0.0002)	ND (0.001)	---	---
	10-Aug-04	ND (0.0002)	ND (0.001)	---	---
	23-Sep-04	ND (0.0002)	ND (0.001)	1,010	8.22
	19-Oct-04	ND (0.0002)	ND (0.001)	---	---
	15-Nov-04	ND (0.0002) R	ND (0.001)	---	---
	13-Dec-04	ND (0.0002)	ND (0.001)	1,040	8.36

Table 3
Surface Water COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sample Date	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
NR-2	08-Sep-03	ND (0.0002)	ND (0.001)	---	---
	16-Feb-04	ND (0.0002)	ND (0.001)	---	---
	16-Mar-04	ND (0.001)	ND (0.001)	988	8.32
	13-Apr-04	ND (0.0002)	ND (0.001)	---	---
	13-May-04	ND (0.0002)	ND (0.001)	---	---
	11-Jun-04	ND (0.0002)	ND (0.001)	1,040	8.04
	15-Jul-04	ND (0.0002)	ND (0.001)	---	---
	10-Aug-04	ND (0.0002)	ND (0.001)	---	---
	23-Sep-04	ND (0.0002)	ND (0.001)	995	8.21
	19-Oct-04	ND (0.0002)	ND (0.001)	---	---
	15-Nov-04	ND (0.0002) R	ND (0.001)	---	---
	13-Dec-04	ND (0.0002)	ND (0.001)	1,010	8.11
NR-3	17-Feb-04	ND (0.0002)	ND (0.001)	---	---
	16-Mar-04	ND (0.0002) J	ND (0.001)	986	8.32
	13-Apr-04	ND (0.0002)	ND (0.001)	---	---
	13-May-04	ND (0.0002)	ND (0.001)	---	---
	11-Jun-04	ND (0.0002)	ND (0.001)	1,030	8.11
	15-Jul-04	ND (0.0002)	ND (0.001)	---	---
	10-Aug-04	ND (0.0002)	ND (0.001)	---	---
	23-Sep-04	ND (0.0002)	ND (0.001)	1,000	8.21
	19-Oct-04	ND (0.0002)	ND (0.001)	---	---
	15-Nov-04	ND (0.0002) R	ND (0.001)	---	---
	13-Dec-04	ND (0.0002)	ND (0.001)	1,020	8.19
R-22	10-Jun-03	ND (0.01)	0.003 J	1,000	8.31
	10-Sep-03	ND (0.0002)	ND (0.001)	960	8.12
	08-Dec-03	ND (0.0002)	ND (0.001)	986	8.3
	16-Feb-04	ND (0.0002)	ND (0.001)	---	---
	16-Feb-04 FD	ND (0.0002)	ND (0.001)	---	---
	15-Mar-04	ND (0.0002)	0.0011	993	8.27
	14-Apr-04	ND (0.0002)	ND (0.0043)	---	---
	12-May-04	ND (0.0002)	ND (0.001)	---	---
	10-Jun-04	ND (0.0002)	ND (0.001)	1,030	8.25
	15-Jul-04	ND (0.0002)	ND (0.001)	---	---
	10-Aug-04	ND (0.0002)	ND (0.001)	---	---
	23-Sep-04	ND (0.0002)	ND (0.001)	977	8.29
	19-Oct-04	ND (0.0002)	ND (0.001)	---	---
	15-Nov-04	ND (0.0002) R	ND (0.001)	---	---
	13-Dec-04	ND (0.0002)	ND (0.001)	1,020	8.29
R-27	10-Jun-03	ND (0.01)	0.0026 J	952	8.31
	10-Sep-03	ND (0.0002)	ND (0.001)	960	8.17
	08-Dec-03	ND (0.0002)	ND (0.001)	994	8.32
	16-Feb-04	ND (0.0002)	ND (0.001)	---	---
	15-Mar-04	ND (0.0002)	ND (0.001)	988	8.27
	14-Apr-04	ND (0.0002)	ND (0.001)	---	---
	12-May-04	ND (0.0002)	ND (0.001)	---	---

Table 3
Surface Water COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sample Date	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Specific Conductance (µS/cm)	pH
R-27	10-Jun-04	ND (0.0002)	ND (0.001)	780	8.29
	15-Jul-04	ND (0.0002)	ND (0.001)	---	---
	10-Aug-04	ND (0.0002)	ND (0.001)	---	---
	22-Sep-04	ND (0.0002)	ND (0.001)	1,020	8.3
	19-Oct-04	ND (0.0002)	ND (0.001)	---	---
	15-Nov-04	ND (0.0002) R	ND (0.001)	---	---
	13-Dec-04	ND (0.0002)	ND (0.001)	1,020	8.29
R-28	10-Jun-03	ND (0.01)	0.0055	963	8.29
	10-Sep-03	ND (0.0002)	ND (0.001)	968	8.32
	08-Dec-03	ND (0.0002)	ND (0.001)	998	8.38
	16-Feb-04	ND (0.0002)	ND (0.001)	---	---
	15-Mar-04	ND (0.0002)	ND (0.001)	981	8.27
	14-Apr-04	ND (0.0002)	ND (0.0011)	---	---
	14-Apr-04 FD	ND (0.0002)	ND (0.00123)	---	---
	12-May-04	ND (0.0002)	ND (0.001)	---	---
	10-Jun-04	ND (0.0002)	ND (0.001)	1,040	8.25
	15-Jul-04	ND (0.0002)	ND (0.001)	---	---
	10-Aug-04	ND (0.0002)	ND (0.001)	---	---
	22-Sep-04	ND (0.0002)	ND (0.001)	1,030	8.3
	19-Oct-04	ND (0.0002)	ND (0.001)	---	---
	15-Nov-04	ND (0.0002) R	ND (0.001)	---	---
	13-Dec-04	ND (0.0002)	ND (0.001)	1,020	8.25
RRB	11-Jun-03	ND (0.01)	0.0044 J	995	8.14
	08-Sep-03	ND (0.0002)	ND (0.001)	980	7.82
	08-Dec-03	ND (0.0002)	ND (0.001)	1,260	7.86
	16-Feb-04	ND (0.0002)	ND (0.001)	---	---
	15-Mar-04	ND (0.0002)	0.0016	992	8.16
	13-Apr-04	ND (0.0002)	0.0011	---	---
	13-May-04	ND (0.0002)	ND (0.001)	---	---
	10-Jun-04	ND (0.0002)	ND (0.001)	990	8.31
	15-Jul-04	ND (0.0002)	ND (0.001)	---	---
	10-Aug-04	ND (0.0002)	ND (0.001)	---	---
	23-Sep-04	ND (0.0002)	ND (0.001)	1,100	7.88
	19-Oct-04	ND (0.0002)	ND (0.001)	---	---
	15-Nov-04	ND (0.0002) R	ND (0.001)	---	---
	13-Dec-04	ND (0.0002)	ND (0.001)	1,080	8.16

Table 3
Surface Water COC Sampling Results
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

NOTES:
1. milligrams per liter (mg/L)
2. microSiemens per centimeter (µS/cm)
3. ND = not detected at listed reporting limit
   J = concentration or reporting limit estimated by laboratory or data validation
4. Hexavalent chromium analysis methods: SW 7196A (reporting limit 0.010 mg/L) and SW 7199 (reporting limit 0.0002 mg/L)
5. Other analysis methods: total chromium (dissolved concentrations, Methods SW 6020A and SW 6010B), specific conductance (SW 9050), pH (SW 9040)
6. (---) = data not collected or not available
7. FD = field duplicate sample

Table 4
Interim Measures Performance Monitoring Analytical Results, 2004
PG&E Topock Groundwater Monitoring Program

Location	Sample Date	Total Dissolved Solids	Oxygen 18	Deuterium	Chloride	Sulfate	Nitrate	Bromide	Calcium	Magnesium	Potassium	Sodium	Boron	Alkalinity
Monitoring Wells														
MW-20-70	03-Mar-04	2300	-6.5	-39.0	890	440	9.7	0.6	230	52	11	480	0.3	75
	03-Mar-04 FD	2300	-6.5	-53.0	890	440	9.7	0.6	220	51	11	460	0.3	72
	11-May-04	2100	-5.5	-53.0	800	450	10	ND (0.5)	210	48	9.7	490	0.4	76
	24-Sep-04	2200	-6.5	-57.0	824	402	9.7	ND (1)	180	58.5	12	430	0.2	74
	16-Dec-04	2080	-7.3	-60.0	753	374	9.68	0.604	177 J	52.5	9.05	410	0.497	70
MW-20-100	03-Mar-04	3400	-4.2	-38.0	1300	740	9.6	0.7	170	20	11	1100	1	82
	11-May-04	3600	-2.7	-37.0	1300	700	9.6	0.5	150	18	10	1100	1	81
	24-Sep-04	3000	-4.8	-44.0	1180	621	8.85	ND (1)	140	23	13	860	0.8	100
	16-Dec-04	2840	-5	-47.0	1050	562	8.5	0.654	152	23.4	16.6	772	0.971	90
MW-20-130	03-Mar-04	11000	-6.6	-60.0	6200	960	6.2	ND (2.5)	400	19	35	3500	1.7	45
	11-May-04	8300	-5	-49.0	3300	1000	9.8	ND (0.5)	280	14	26	2500	1.7	62
	24-Sep-04	7800	-4.4	-45.0	7240	2280	9.8	ND (4)	240	15	33	2400	1.9	66
	27-Jan-05	7350	-5.7	-48.0	3790	1140	10.4	3.16	313	16.1	43.5	2260	2.03	66
MW-25	03-Mar-04	970	-7.7	-56.0	300	220	4.2	ND (0.5)	92	18	7.8	230	0.4	140
	14-May-04	1000	-8.9	-59.0	310	210	4.2	ND (0.5)	89	19	8	230	0.4	130
	09-Jun-04	---	---	---	---	---	---	---	108	17.1	---	---	0.376	---
	22-Sep-04	1000	-7.6	-58.0	296	196	3.93	0.42	81	16.6	7.4	230	ND (0.2)	140
MW-26	03-Mar-04	1900	-6.7	-54.0	770	400	4.6	ND (0.5)	170	40	12	470	0.5	110
	14-May-04	9300	-8.4	-60.0	850	480	5.1	ND (0.5)	190	50	14	490	0.6	110
	22-Sep-04	2300	-6.7	-59.0	821	472	5.65	ND (1)	170	46	13	390	0.4	98
	16-Dec-04	2130	-8.6	-64.0	835	388	5	0.578	176	45.7	17.8	466	0.662	100
MW-27-20	03-Mar-04	640	-11.7	-100.0	74	200	ND (0.4)	ND (0.5)	79	26	4	84	ND (0.2)	180
	12-May-04	570	-11.3	-98.0	72	200	ND (0.4)	ND (0.5)	77	25	3.7	87	ND (0.2)	170
	21-Sep-04	670	-12.3	-92.0	77.2	212	ND (0.2)	ND (0.2)	76	26	5	82	ND (0.2)	160
	15-Dec-04	692	-11.9	-101.0	87.2	236	ND (0.5)	ND (0.5)	91.5	32.6	4.61	88.4	ND (0.2)	169
MW-28-25	04-Mar-04	1000	-11.3	-95.0	220	290	ND (0.4)	ND (0.5)	120	33	3.8	210	0.2	260
	11-May-04	800	-11.3	-95.0	110	270	ND (0.4)	ND (0.5)	110	29	3.9	120	ND (0.2)	240
	07-Jun-04	890	-12.5	-100.0	150	220	ND (0.4)	---	---	---	---	---	---	---
	20-Sep-04	850 J	-11.7	-89.0	99.1	286	ND (0.4)	ND (0.2)	110	30	4.6	120	ND (0.2)	210
	14-Dec-04	810	-12	-99.0	110	310	ND (0.5)	ND (0.5)	122	35.7	4.78	103	ND (0.2) J	202

Table 4
Interim Measures Performance Monitoring Analytical Results, 2004
PG&E Topock Groundwater Monitoring Program

Location	Sample Date	Total Dissolved Solids	Oxygen 18	Deuterium	Chloride	Sulfate	Nitrate	Bromide	Calcium	Magnesium	Potassium	Sodium	Boron	Alkalinity
Monitoring Wells														
MW-30-30	04-Mar-04	36000	-9	-76.0	19000	4100	ND (4)	5.2	1000	1000	50	9600	3.6	570
	12-May-04	30000	-7.8	-71.0	14000	3000	ND (4)	ND (50)	1300	800	47	8300	2.8	610
	23-Sep-04	42000	-9.5	-73.0	22000	4500	ND (200)	ND (100)	900	890	76	11000	4.1	570
	15-Dec-04	45500	-9.5	-79.0	19900	4730	ND (5)	8.14	1300	1400	118	6110	7.84	458
MW-30-50	05-Mar-04	6100	-6.4	-58.0	3000	750	1.2	ND (5)	280	120	16	1600	0.9	280
	05-Mar-04 FD	5900	-6.6	-56.0	2900	730	1.2	ND (5)	290	120	15	1600	0.9	280
	14-May-04	6300	-7.7	-54.0	2700	800	3.5	ND (5)	270	100	15	1700	1.2	180
	14-May-04 FD	6500	-7.5	-54.0	2600	800	3.5	ND (5)	270	110	16	1700	1.1	180
	23-Sep-04	6600	-7.3	-58.0	3330	742	1.58	ND (10)	290	100	18	1800	0.9	240
	23-Sep-04 FD	6800	-6.7	-58.0	3220	694	1.64	ND (10)	310	110	19	1900	0.9	240
	15-Dec-04	6750	-7.9	-63.0	3040	716	ND (0.5)	1.14	378	117	36.5	1720	1.39	249
	15-Dec-04 FD	6690	-7.8	-64.0	2920	725	ND (0.5)	1.13	372	114	37.8	1700	1.43	249
MW-31-60	03-Mar-04	1700	-8.1	-60.0	750	280	6.2	ND (0.5)	160	22	7.9	420	0.4	72
	14-May-04	1900	-9	-59.0	750	260	5.5	ND (0.5)	150	22	7.5	420	0.4	74
	22-Sep-04	1700	-8	-61.0	691	236	5.45	0.46	130	19	7.9	430	ND (0.2)	79
	16-Dec-04	1640	-8.7	-64.0	691	246	5.36	ND (0.5)	118	18.5	9.67	421	0.44	80
MW-32-20	04-Mar-04	6200	-8	-64.0	2900	540	ND (0.4)	ND (5)	520	180	13	1500	1.1	570
	12-May-04	5000	-7.1	-70.0	2100	130	ND (0.4)	ND (5)	510	180	16	1100	0.8	600
	20-Sep-04	21000 J	-7.3	-63.0	10200	3800	ND (0.4)	ND (100)	1100	420	45	4900	3	920
	14-Dec-04	16100	-8.2	-66.0	8890	1990	ND (5)	ND (5)	1140	400	46.8	3500	4.22 J	784
MW-32-35	04-Mar-04	4200	-8	-65.0	1900	470	ND (0.4)	ND (5)	340	99	13	1100	1	310
	12-May-04	4500	-6.9	-64.0	1900	460	ND (0.4)	ND (5)	330	94	12	1100	0.9	320
	21-Sep-04	4500	-8.7	-63.0	2150	422	ND (0.2)	ND (10)	320	89	14	990	0.9	310
	15-Dec-04	4120	-8.5	-67.0	1760	524	ND (0.5)	0.89	351	96.3	24.7 J	954	1.28	276
MW-34-55	04-Mar-04	6700	-9.6	-77.0	3200	850	ND (0.4)	ND (5)	360	97	13	2000	1.2	270
	13-May-04	5700	-10.3	-77.0	2700	770	ND (0.4)	ND (5)	310	77	15	1900	1	270
	08-Jun-04	---	---	---	---	---	---	---	246	68.3	---	---	1.18	---
	22-Sep-04	5800	-11	-82.0	2700	732	ND (0.2)	ND (10)	260	85.2	17	1800	0.9	250
	15-Dec-04	5860	-10.9	-83.0	2390	743	ND (0.5)	0.743	288	69.9	33	1540	1.34	234
MW-34-80	05-Mar-04	8800	-8.9	-75.0	4700	1000	ND (0.4)	ND (5)	280	24	25	2600	1.7	180

Table 4
Interim Measures Performance Monitoring Analytical Results, 2004
PG&E Topock Groundwater Monitoring Program

Location	Sample Date	Total Dissolved Solids	Oxygen 18	Deuterium	Chloride	Sulfate	Nitrate	Bromide	Calcium	Magnesium	Potassium	Sodium	Boron	Alkalinity
Monitoring Wells														
MW-34-80	13-May-04	8800	-10.2	-77.0	3900	1000	ND (4)	ND (5)	390	54	27	2800	1.4	270
	13-May-04 FD	9100	-10.2	-76.0	4000	1000	ND (4)	ND (5)	390	53	27	2700	1.5	280
	08-Jun-04	---	---	---	---	---	---	---	396	56.6	---	---	1.72	---
	23-Sep-04	8900	-9.9	-79.0	4050	997	ND (10)	ND (10)	410	76	32	2800	1.4	290
	23-Sep-04 FD	9900	-9.6	-78.0	4170	998	ND (10)	ND (10)	410	84.3	35	2800	1.5	290
	13-Dec-04	---	---	---	---	---	---	---	455	55	40.4	2220	1.63	---
Surface Water Stations														
R-27	03-Mar-04	630	-11.4	-86.0	87	250	ND (0.4)	ND (0.5)	77	28	4.4	94	ND (0.2)	140
	12-May-04	590	-11.4	-96.0	84	240	ND (0.4)	ND (0.5)	74	27	4.8	96	ND (0.2)	140
	22-Sep-04	680	-12.1	-98.0	88.4	237	0.38	ND (0.2)	77	29	4.8	99	ND (0.2)	130
	13-Dec-04	632	-11.4	-95.0	84.4	235	0.5 R	ND (0.5)	79.6	31.4	4.95	86.5	ND (0.2) J	125
R-28	03-Mar-04	670	-11.3	-90.0	87	250	0.5	ND (0.5)	78	28	4.4	93	ND (0.2)	140
	12-May-04	580	-11.5	-98.0	84	240	ND (0.4)	ND (0.5)	72	26	4.2	92	ND (0.2)	140
	22-Sep-04	680	-12.1	-99.0	104	240	0.38	ND (0.2)	79	30	4.9	99	ND (0.2)	130
	13-Dec-04	652	-11.1	-95.0	84.8	236	0.5 R	ND (0.5)	79.9	31.5	4.93	86	ND (0.2) J	133

NOTES:

1. FD = field duplicate sample
2. Results in milligrams per liter (mg/L), except Oxygen-18 and Deuterium, which are expressed as differences from global standards in parts per thousand.
3. Alkalinity reported as carbonate ($CaCO_3$). Nitrate reported as Nitrogen (N).
4. All metal results are dissolved concentrations except for selected unfiltered parameters noted with ^ (total metals concentration).
5. ND =parameter not detected at the listed reporting limit.
   J - concentration or reporting estimated by laboratory or data validation
   --- parameter not analyzed
6. Monitoring well MW-25 was not sampled during the December 2004 Quarterly Event due to trenching activities for the IM3 treatment plant.

Table 5
2004 Quarterly Groundwater Monitoring Results - Title 22 Metals
PG&E Topock Groundwater Monitoring Program

	California MCL:	0.006	0.050	1.0	0.004	0.005	NE	0.050	1.0*	NE	0.002	NE	0.100	0.050	0.100*	0.002	NE	5.0*
Well ID	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-10	9/21/2004	ND (0.005)	ND (0.01)	0.0458	ND (0.003)	ND (0.003)	ND (0.003)	1.96	0.0064	ND (0.005)	ND (0.0002)	0.115	ND (0.005)	ND (0.01)	ND (0.003)	ND (0.015)	0.0252	0.0227
MW-10	12/17/2004	ND (0.005)	ND (0.01)	0.0449	ND (0.0031)	ND (0.0031)	ND (0.0031)	1.3	ND (0.005)	ND (0.0021)	ND (0.0002)	0.1	ND (0.005)	ND (0.01)	0.0618	ND (0.015)	0.04	0.0549
MW-11	9/21/2004	ND (0.005)	ND (0.01)	0.0451	ND (0.003)	ND (0.003)	ND (0.003)	0.431	ND (0.005)	ND (0.005)	ND (0.0002)	0.0088	ND (0.005)	ND (0.01)	ND (0.003)	ND (0.015)	0.0058	ND (0.0104)
MW-11	12/17/2004	ND (0.005)	ND (0.01)	0.0388	ND (0.0031)	ND (0.0031)	ND (0.0031)	0.393	ND (0.005)	ND (0.0021)	ND (0.0002)	0.0094	ND (0.005)	0.0136	ND (0.0031)	ND (0.015)	0.0099	0.0274
MW-12	9/20/2004	0.0209	0.0686	0.0628	ND (0.003)	ND (0.003)	ND (0.003)	1.49	ND (0.005)	ND (0.005)	ND (0.0002)	0.0412	ND (0.005)	ND (0.01)	ND (0.003)	ND (0.015)	0.0246	0.0192
MW-20-70	9/24/2004	ND (0.005)	ND (0.01)	0.0591	ND (0.003)	ND (0.003)	ND (0.003)	7.55	0.0108	ND (0.005)	ND (0.0002)	0.0206	ND (0.005)	0.0181	ND (0.003)	ND (0.015)	ND (0.003)	0.0248
MW-20-70	12/16/2004	ND (0.005)	ND (0.01)	0.0366	ND (0.0031)	ND (0.0031)	ND (0.0031)	7.23	ND (0.005)	ND (0.0021)	ND (0.0002)	0.0181	ND (0.005)	ND (0.01)	ND (0.0031)	ND (0.015)	0.0094	0.0256
MW-20-130	9/24/2004	ND (0.005)	ND (0.01)	0.0403	ND (0.003)	ND (0.003)	ND (0.003)	7	0.015	ND (0.005)	ND (0.0002)	0.0472	ND (0.005)	0.023	ND (0.003)	ND (0.015)	ND (0.003)	0.0437
MW-20-130	1/27/2005	ND (0.005)	ND (0.01)	0.0268	ND (0.003)	ND (0.003)	ND (0.003)	8.41	ND (0.005)	ND (0.0021)	ND (0.0002)	0.0444	ND (0.005)	0.013	ND (0.003)	ND (0.015)	0.0116	0.0246
MW-25	9/22/2004	ND (0.005)	ND (0.01)	0.0407	ND (0.003)	ND (0.003)	ND (0.003)	1.93	0.0071	ND (0.005)	ND (0.0002)	ND (0.005)	ND (0.005)	0.0131	ND (0.003)	ND (0.015)	ND (0.003)	0.0227
MW-34-55	9/22/2004	ND (0.005)	ND (0.01)	0.0876	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.001)	0.012	ND (0.005)	ND (0.0002)	0.013	ND (0.005)	0.0125	ND (0.003)	ND (0.015)	ND (0.003)	0.0227
MW-34-55	12/15/2004	ND (0.005)	ND (0.01)	0.0718	ND (0.0031)	ND (0.0031)	ND (0.0031)	ND (0.001)	0.0066	0.0122	ND (0.0002)	0.0137	ND (0.005)	ND (0.01)	0.0404	ND (0.015)	0.0065	0.0251
MW-34-80	9/23/2004	ND (0.005)	ND (0.01)	0.0541	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.001)	0.0101	ND (0.005)	ND (0.0002)	0.0149	ND (0.005)	ND (0.01)	ND (0.003)	ND (0.015)	ND (0.003)	0.0232
MW-34-80 FD	9/23/2004	ND (0.005)	ND (0.01)	0.0528	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.001)	0.0106	ND (0.005)	ND (0.0002)	0.0144	ND (0.005)	ND (0.01)	ND (0.003)	ND (0.015)	ND (0.003)	0.022
MW-34-80	12/13/2004	ND (0.005)	ND (0.01)	0.042	ND (0.0031)	ND (0.0031)	ND (0.0031)	ND (0.001)	ND (0.005)	ND (0.0021)	ND (0.0002)	0.0147	0.0086	ND (0.01)	ND (0.0031)	ND (0.015)	0.0153	0.0297
MW-37D	9/24/2004	ND (0.005)	ND (0.01)	0.065	ND (0.003)	ND (0.003)	ND (0.003)	1.22	0.0085	ND (0.005)	ND (0.0002)	0.0473	ND (0.005)	ND (0.01)	ND (0.003)	ND (0.015)	ND (0.003)	0.0172
MW-37D FD	9/24/2004	ND (0.005)	ND (0.01)	0.0659	ND (0.003)	ND (0.003)	ND (0.003)	1.16	0.0096	ND (0.005)	ND (0.0002)	0.0463	ND (0.005)	0.01	ND (0.003)	ND (0.015)	ND (0.003)	0.0248
MW-37D	12/14/2004	ND (0.005)	ND (0.01)	0.0464	ND (0.0031)	ND (0.0031)	ND (0.0031)	1.49	ND (0.005)	ND (0.0021)	ND (0.0002)	0.0433	ND (0.005)	ND (0.01)	ND (0.0031)	ND (0.015)	0.0314 J	0.033 J
MW-37D FD	12/14/2004	ND (0.005)	ND (0.01)	0.0499	ND (0.0031)	ND (0.0031)	ND (0.0031)	1.44	ND (0.005)	ND (0.0021)	ND (0.0002)	0.0446	0.0083	ND (0.01)	ND (0.0031)	ND (0.015)	0.0205 J	0.0918 J
TW-2D	12/16/2004	ND (0.005)	ND (0.01)	0.0248	ND (0.0031)	ND (0.0031)	ND (0.0031)	6.57	ND (0.005)	ND (0.0021)	ND (0.0002)	0.0448	0.0051	ND (0.01)	ND (0.0031)	ND (0.015)	0.016	0.0287
TW-2S	12/16/2004	ND (0.005)	ND (0.01)	0.0568	ND (0.0031)	ND (0.0031)	ND (0.0031)	5.49	ND (0.005)	ND (0.0021)	ND (0.0002)	0.0156	ND (0.005)	ND (0.01)	ND (0.0031)	ND (0.015)	0.0109	0.217

NOTES:

1. Title 22 metals are the metals listed in California Code of Regulations, Title 22, Section 66261.24(a)(2)(A)
   The maximum contaminant levels (MCLs) listed, in milligrams per liter (mg/L), are the California primary drinking water standards, or California secondary MCLs, where noted * . NE = not established

2. All results are dissolved metals concentrations in mg/L from field-filtered samples. FD = field duplicate sample

3. ND = not detected at listed reporting limit

4. Metals analyses by Methods SW 6010B, SW 6020A, and SW7470A

5. See Section 2.1 for sampling summary.

Table 6
Manual Water Level Measurements and Elevations
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
MW-9	88	536.56	09-Jun-03	9:04 AM	79.85	0.20	456.68
			08-Sep-03	10:45 AM	80.15	0.20	456.38
			08-Dec-03	9:47 AM	81.22	0.20	455.32
			15-Mar-04	12:37 PM	81.28	0.20	455.26
			16-Mar-04	11:10 AM	81.82	0.20	454.72
			09-Jun-04	2:44 PM	79.85	0.16	456.68
			21-Sep-04	2:20 PM	80.48	0.21	456.05
			17-Dec-04	11:23 AM	81.68	0.21	454.86
			11-Jan-05	9:24 AM	81.76	0.21	454.78
MW-10	95	530.65	09-Jun-03	9:01 AM	73.95	0.20	456.64
			08-Sep-03	10:42 AM	74.40	0.20	456.19
			08-Dec-03	9:40 AM	75.37	0.20	455.22
			15-Mar-04	12:32 PM	75.40	0.20	455.19
			16-Mar-04	10:46 AM	75.40	0.20	455.19
			10-Jun-04	9:29 AM	74.15	0.20	456.44
			21-Sep-04	1:04 PM	75.72	0.20	454.88
			17-Dec-04	10:52 AM	75.92	0.20	454.68
			11-Jan-05	9:51 AM	76.00	0.20	454.60
MW-11	88	522.61	09-Jun-03	8:57 AM	---	0.10	---
			08-Sep-03	10:38 AM	66.52	0.10	456.01
			08-Dec-03	9:35 AM	67.47	0.10	455.06
			15-Mar-04	12:25 PM	67.32	0.10	455.21
			16-Mar-04	10:28 AM	67.32	0.10	455.21
			10-Jun-04	8:30 AM	66.08	0.12	456.45
			21-Sep-04	12:11 PM	66.80	0.14	455.74
			17-Dec-04	10:37 AM	67.99	0.14	454.55
			11-Jan-05	10:20 AM	68.12	0.14	454.42
MW-12	49	484.01	09-Jun-03	10:11 AM	27.58	0.20	456.37
			08-Sep-03	11:58 AM	28.15	0.20	455.80
			08-Dec-03	10:58 AM	29.00	0.20	454.96
			15-Mar-04	10:30 AM	29.00	0.28	454.97
			09-Jun-04	12:45 PM	27.65	0.24	456.31
			20-Sep-04	11:51 AM	28.67	0.24	455.29
MW-13	50	488.64	09-Jun-03	9:45 AM	32.00	0.10	456.58
			08-Sep-03	11:23 AM	32.33	0.10	456.25
			08-Dec-03	10:36 AM	32.40	0.10	456.18
			15-Mar-04	2:25 PM	32.37	0.14	456.21
			17-Mar-04	11:38 AM	32.39	0.14	456.19
			09-Jun-04	10:52 AM	31.95	0.11	456.63
			24-Sep-04	10:09 AM	32.33	0.12	456.25
			16-Dec-04	12:24 PM	32.00	0.12	456.58
MW-14	132	570.99	09-Jun-03	9:40 AM	114.40	0.10	456.52

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Manual Water Level Measurements and Elevations
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
MW-14	132	570.99	08-Sep-03	11:15 AM	115.00	0.10	455.92
			08-Dec-03	10:27 AM	115.90	0.10	455.03
			15-Mar-04	2:16 PM	115.52	0.10	455.41
			16-Mar-04	1:50 PM	115.52	0.10	455.41
			08-Jun-04	2:35 PM	114.15	0.15	456.78
			20-Sep-04	1:30 PM	115.26	0.11	455.67
			16-Dec-04	12:59 PM	116.50	0.11	454.43
MW-15	202	641.52	09-Jun-03	9:14 AM	185.83	0.10	455.62
			08-Sep-03	10:53 AM	184.33	0.10	457.12
			08-Dec-03	9:56 AM	186.23	0.10	455.23
			15-Mar-04	12:48 PM	184.81	0.10	456.64
			16-Mar-04	11:29 AM	184.81	0.10	456.64
			07-Jun-04	12:51 PM	184.68	0.08	456.77
			22-Sep-04	9:35 AM	185.50	0.11	455.95
			17-Dec-04	11:59 AM	186.45	0.11	455.01
MW-16	218	657.31	09-Jun-03	9:19 AM	200.60	0.10	456.65
			08-Sep-03	11:04 AM	200.43	0.10	456.81
			08-Dec-03	10:05 AM	201.25	0.10	456.00
			15-Mar-04	12:58 PM	201.65	0.10	455.60
			16-Mar-04	12:33 PM	201.65	0.10	455.60
			07-Jun-04	1:45 PM	201.43	0.06	455.81
			09-Jun-04	1:20 PM	200.65	0.06	456.59
			16-Dec-04	2:40 PM	201.57	0.10	455.68
MW-17	151	589.96	09-Jun-03	12:40 PM	132.80	0.10	457.09
			08-Sep-03	1:33 PM	132.95	0.10	456.94
			05-Nov-03	8:43 AM	133.60	0.10	456.29
			08-Dec-03	10:15 AM	133.77	0.10	456.12
			15-Mar-04	2:00 PM	133.87	0.10	456.02
			16-Mar-04	12:58 PM	133.87	0.10	456.02
			07-Jun-04	2:20 PM	132.71	0.09	457.18
			16-Dec-04	2:00 PM	134.12	0.11	455.78
MW-18	110	545.32	09-Jun-03	9:03 AM	88.55	0.10	456.69
			08-Sep-03	11:10 AM	88.97	0.10	456.27
			08-Dec-03	10:23 AM	89.95	0.10	455.30
			15-Mar-04	2:10 PM	89.76	0.10	455.49
			16-Mar-04	1:24 PM	89.76	0.10	455.49
			09-Jun-04	10:00 AM	88.49	0.08	456.75
			24-Sep-04	8:54 AM	89.33	0.09	455.91
			16-Dec-04	2:12 PM	90.42	0.09	454.83
MW-19	66	499.92	09-Jun-03	9:48 AM	43.27	0.10	456.58
			08-Sep-03	11:32 AM	44.32	0.10	455.53
			08-Dec-03	10:43 AM	45.18	0.10	454.67

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Manual Water Level Measurements and Elevations
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
MW-19	66	499.92	15-Mar-04	2:38 PM	44.56	0.15	455.30
			16-Mar-04	1:09 PM	44.33	0.15	455.53
			08-Jun-04	1:15 PM	43.25	0.23	456.62
			20-Sep-04	12:42 PM	45.19	0.15	454.67
			17-Dec-04	12:49 PM	46.00	0.15	453.86
MW-20-70	70	500.15	09-Jun-03	10:02 AM	43.60	0.20	456.48
			08-Sep-03	11:37 AM	44.70	0.20	455.38
			08-Dec-03	10:50 AM	44.45	0.20	455.63
			15-Mar-04	3:04 PM	56.99 +	0.24	443.13
			11-Jun-04	12:19 PM	43.98	0.20	456.10
			24-Sep-04	1:42 PM	45.71	0.22	454.37
			16-Dec-04	9:53 AM	47.07	0.22	453.02
MW-20-100	100	500.58	09-Jun-03	10:06 AM	43.95	0.30	456.51
			08-Sep-03	11:42 AM	45.15	0.30	455.31
			08-Dec-03	10:53 AM	45.93	0.30	454.53
			15-Mar-04	2:54 PM	74.75 +	0.36	425.79
			15-Mar-04	3:14 PM	74.22 +	0.36	426.31
			11-Jun-04	12:20 PM	44.53	0.30	455.93
			24-Sep-04	12:31 PM	46.32	0.33	454.16
			16-Dec-04	11:13 AM	47.78	0.33	452.71
MW-20-130	132	500.66	09-Jun-03	10:04 AM	44.25	1.10	456.73
			17-Jun-03	10:30 AM	44.70	1.10	456.28
			08-Sep-03	11:40 AM	45.55	1.20	455.48
			08-Dec-03	10:57 AM	46.30	1.20	454.73
			15-Mar-04	3:02 PM	69.88 +	0.96	430.94
			15-Mar-04	3:25 PM	69.88 +	0.96	430.94
			11-Jun-04	1:43 PM	44.76	0.70	455.97
			24-Sep-04	1:05 PM	46.90	1.08	454.06
			27-Jan-05	1:48 PM	49.20	1.08	451.77
MW-21	60	505.55	09-Jun-03	10:35 AM	49.00	0.80	456.57
			08-Sep-03	11:52 AM	49.25	0.90	456.32
			03-Nov-03	8:53 AM	49.87	1.00	455.71
			08-Dec-03	10:15 AM	50.65	0.90	454.92
			13-Jan-04	4:15 PM	50.52	1.10	455.06
			15-Mar-04	3:24 PM	50.70	0.83	454.87
			14-Apr-04	4:30 PM	48.60	0.70	456.96
			11-May-04	9:14 AM	49.57	0.60	455.98
			07-Jun-04	10:35 AM	49.26	0.63	456.30
			13-Jul-04	12:40 PM	49.30	1.00	456.28
			12-Aug-04	12:47 PM	51.68	0.78	453.88
			20-Sep-04	11:08 AM	50.11	0.79	455.46
			16-Dec-04	10:50 AM	50.80	0.79	454.76

Table 6
Manual Water Level Measurements and Elevations
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
MW-22	11	460.72	09-Jun-03	10:50 AM	4.75	1.70	456.04
			08-Sep-03	12:42 PM	6.50	2.10	454.30
			08-Dec-03	12:10 PM	6.25	2.10	454.55
			15-Mar-04	11:33 AM	5.65	2.10	455.16
			19-Mar-04	9:48 AM	5.53	2.10	455.28
			07-Jun-04	11:20 AM	4.70	1.50	456.08
			23-Sep-04	10:40 AM	6.12	1.91	454.67
			16-Dec-04	1:16 PM	7.00	1.91	453.78
MW-23	80	507.33	09-Jun-03	10:17 AM	51.25	1.20	456.23
			08-Sep-03	12:00 PM	51.72	1.20	455.75
			08-Dec-03	11:04 AM	52.63	1.20	454.84
			15-Mar-04	3:07 PM	52.54	1.13	454.91
			07-Jun-04	10:00 AM	51.14	1.03	456.30
			20-Sep-04	10:50 AM	52.22	1.17	455.24
			16-Dec-04	10:05 AM	53.23	1.17	454.23
MW-24A	125	567.16	09-Jun-03	8:50 AM	110.60	0.20	456.52
			08-Sep-03	10:26 AM	111.02	0.20	456.10
			09-Sep-03	3:04 PM	110.96	0.20	456.16
			09-Sep-03	3:34 PM	110.97	0.20	456.15
			08-Dec-03	9:15 AM	112.00	0.20	455.12
			15-Mar-04	11:50 AM	111.94	0.23	455.19
			17-Mar-04	11:00 AM	111.91	0.23	455.22
			08-Jun-04	10:08 AM	110.61	0.17	456.51
			20-Sep-04	2:35 PM	111.65	0.22	455.48
			17-Dec-04	8:34 AM	112.55	0.22	454.58
			11-Jan-05	12:00 PM	112.65	0.22	454.48
MW-24B	217	564.76	09-Jun-03	8:48 AM	108.35	0.80	456.57
			08-Sep-03	10:24 AM	108.82	0.90	456.18
			09-Sep-03	3:51 PM	108.66	0.90	456.34
			09-Sep-03	2:54 PM	108.64	0.90	456.36
			09-Sep-03	3:06 PM	108.64	0.90	456.36
			08-Dec-03	9:17 AM	109.80	0.90	455.20
			15-Mar-04	12:00 PM	109.71	0.85	455.25
			17-Mar-04	10:13 AM	108.47	0.85	456.49
			08-Jun-04	8:25 AM	108.40	0.75	456.48
			21-Sep-04	8:45 AM	109.30	0.82	455.64
			17-Dec-04	8:50 AM	110.35	0.82	454.59
			11-Jan-05	11:05 AM	110.37	0.82	454.57
MW-24BR	440	563.95	09-Jun-03	8:45 AM	106.90	0.90	457.60
			08-Sep-03	10:15 AM	107.58	0.90	456.92
			09-Sep-03	3:56 PM	107.59	0.90	456.91
			09-Sep-03	3:10 PM	107.60	0.90	456.90

Table 6
Manual Water Level Measurements and Elevations
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Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
MW-24BR	440	563.95	09-Sep-03	3:15 PM	107.60	0.90	456.90
			08-Dec-03	9:30 AM	108.30	1.00	456.43
			15-Mar-04	12:08 PM	108.55	0.89	455.93
			17-Mar-04	3:08 PM	108.55	0.89	455.93
			07-Jun-04	11:04 AM	107.09	0.82	457.22
			20-Sep-04	3:06 PM	107.88	0.93	456.68
			16-Dec-04	9:23 AM	109.10	0.93	455.47
MW-25	105	542.90	09-Jun-03	9:50 AM	88.35	0.10	454.49
			08-Sep-03	11:26 AM	87.00	0.10	455.83
			08-Dec-03	10:37 AM	87.95	0.10	454.89
			15-Mar-04	2:31 PM	87.62	0.11	455.22
			17-Mar-04	12:10 PM	87.65	0.11	455.19
			14-May-04	11:37 AM	86.55	0.10	456.28
			09-Jun-04	8:50 AM	86.41	0.09	456.42
			22-Sep-04	12:10 PM	87.50	0.11	455.33
MW-26	72	502.22	09-Jun-03	10:40 AM	45.85	0.20	456.29
			08-Sep-03	11:47 AM	46.53	0.20	455.61
			08-Dec-03	10:21 AM	47.40	0.20	454.74
			15-Mar-04	11:42 AM	47.10	0.23	455.05
			16-Mar-04	2:13 PM	47.05	0.23	455.10
			14-May-04	12:09 PM	46.15	0.20	455.99
			08-Jun-04	12:10 PM	45.75	0.18	456.39
			22-Sep-04	11:10 AM	47.03	0.22	455.12
			16-Dec-04	12:54 PM	48.30	0.22	453.86
MW-27-20	17	460.56	09-Jun-03	11:00 AM	3.85	0.00	456.68
			10-Jun-03	9:45 AM	3.71	0.00	456.82
			17-Jun-03	8:30 AM	4.19	0.00	456.34
			08-Sep-03	12:47 PM	5.75	0.00	454.78
			04-Nov-03	9:40 AM	6.65	0.10	453.89
			08-Dec-03	12:26 PM	6.40	0.00	454.14
			13-Jan-04	1:25 PM	7.14	0.10	453.40
			19-Feb-04	3:20 PM	6.34	0.00	454.20
			15-Mar-04	11:27 AM	5.02	0.00	455.51
			17-Mar-04	11:12 AM	5.02	0.00	455.51
			13-Apr-04	3:20 PM	4.44	0.10	456.10
			12-May-04	2:15 PM	4.26	0.00	456.27
			08-Jun-04	2:32 PM	4.13	0.00	456.40
			13-Jul-04	11:30 AM	4.58	0.00	455.95
			11-Aug-04	10:45 AM	5.28	0.04	455.26
			21-Sep-04	12:42 PM	6.08	0.05	454.46
			19-Oct-04	2:36 PM	7.03	0.05	453.51
			15-Nov-04	2:49 PM	7.07	0.05	453.47
			02-Dec-04	1:15 PM	6.58	0.05	453.96

Table 6
Manual Water Level Measurements and Elevations
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Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
MW-27-20	17	460.56	15-Dec-04	1:57 PM	7.16	0.05	453.39
MW-28-25	23	466.85	09-Jun-03	11:40 AM	10.10	0.10	456.72
			08-Sep-03	1:05 PM	12.00	0.10	454.82
			04-Nov-03	11:29 AM	13.00	0.10	453.82
			08-Dec-03	12:48 PM	12.70	0.10	454.12
			13-Jan-04	1:45 PM	13.29	0.10	453.53
			20-Feb-04	9:37 AM	12.09	0.10	454.73
			15-Mar-04	11:05 AM	11.45	0.10	455.37
			17-Mar-04	10:04 AM	11.35	0.10	455.47
			13-Apr-04	12:45 PM	10.60	0.10	456.22
			11-May-04	12:30 PM	10.30	0.10	456.52
			07-Jun-04	12:56 PM	10.11	0.10	456.71
			13-Jul-04	10:20 AM	10.68	0.10	456.14
			11-Aug-04	9:45 AM	11.37	0.07	455.45
			20-Sep-04	12:17 PM	12.32	0.10	454.50
			19-Oct-04	10:47 AM	13.09	0.10	453.73
			15-Nov-04	10:42 AM	13.20	0.10	453.62
			02-Dec-04	9:38 AM	12.48	0.10	454.34
			14-Dec-04	1:42 PM	13.42	0.10	453.41
MW-28-90	95	467.66	10-Jun-04	9:56 AM	10.81	0.55	456.98
			20-Sep-04	1:58 PM	13.65	0.56	454.13
			19-Oct-04	11:51 AM	14.06	0.56	453.72
			15-Nov-04	11:45 AM	14.25	0.56	453.53
			13-Dec-04	11:30 AM	14.40	0.56	453.38
MW-29	40	485.21	09-Jun-03	12:00 PM	28.75	0.30	456.45
			08-Sep-03	1:25 PM	30.00	0.20	455.19
			08-Dec-03	1:00 PM	30.60	0.30	454.60
			19-Feb-04	10:16 AM	30.52	0.90	454.73
			15-Mar-04	10:55 AM	29.87	0.53	455.35
			18-Mar-04	11:14 AM	29.73	0.53	455.49
			13-Apr-04	11:50 AM	29.07	0.20	456.12
			11-May-04	2:04 PM	28.88	0.20	456.31
			09-Jun-04	9:27 AM	28.57	0.10	456.61
			13-Jul-04	8:06 AM	29.11	0.20	456.08
			11-Aug-04	8:15 AM	29.60	0.24	455.59
			20-Sep-04	11:01 AM	30.27	0.34	454.93
			19-Oct-04	10:00 AM	30.96	0.34	454.24
			15-Nov-04	9:43 AM	31.33	0.34	453.88
			02-Dec-04	11:16 AM	31.27	0.34	453.93
			14-Dec-04	12:10 PM	31.47	0.34	453.74
MW-30-30	32	468.12	09-Jun-03	11:30 AM	12.00	2.50	456.43
			08-Sep-03	12:58 PM	13.30	4.00	455.34

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Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
MW-30-30	32	468.12	10-Sep-03	1:25 PM	13.32	4.00	455.32
			04-Nov-03	11:14 AM	13.70	4.00	454.93
			08-Dec-03	12:40 PM	13.85	3.60	454.71
			14-Jan-04	9:35 AM	14.55	4.00	454.05
			19-Feb-04	11:36 AM	13.90	3.60	454.66
			15-Mar-04	11:10 AM	13.30	3.20	455.22
			18-Mar-04	1:16 PM	13.32	3.20	455.20
			14-Apr-04	1:20 PM	12.48	4.00	456.18
			12-May-04	10:54 AM	12.21	2.70	456.25
			09-Jun-04	11:27 AM	12.04	2.40	456.38
			14-Jul-04	11:47 AM	12.58	3.60	456.01
			12-Aug-04	8:45 AM	12.92	3.52	455.65
			23-Sep-04	11:20 AM	13.72	3.11	454.78
			20-Oct-04	9:43 AM	14.12	3.11	454.37
			16-Nov-04	10:14 AM	14.41	3.11	454.07
			15-Dec-04	11:25 AM	14.76	3.11	453.72
MW-30-50	50	468.81	09-Jun-03	11:31 AM	12.25	0.60	456.59
			08-Sep-03	1:00 PM	13.97	0.70	454.90
			10-Sep-03	1:30 PM	14.05	0.70	454.82
			04-Nov-03	10:55 AM	14.78	0.60	454.06
			08-Dec-03	12:45 PM	14.73	0.20	454.00
			14-Jan-04	9:45 AM	14.80	0.20	453.93
			19-Feb-04	12:15 PM	14.52	0.60	454.32
			15-Mar-04	11:12 AM	13.70	0.60	455.14
			18-Mar-04	2:12 PM	13.85	0.60	454.99
			15-Apr-04	2:54 PM	13.05	0.60	455.79
			14-May-04	7:58 AM	12.38	0.60	456.46
			09-Jun-04	2:06 PM	13.00	0.60	455.84
			15-Jul-04	10:05 AM	12.91	0.90	456.02
			12-Aug-04	11:48 AM	13.76	0.60	455.08
			23-Sep-04	11:57 AM	14.52	0.61	454.32
			21-Oct-04	9:50 AM	14.76	0.61	454.08
			17-Nov-04	11:19 AM	14.82	0.61	454.03
			15-Dec-04	11:53 AM	15.35	0.61	453.50
MW-31-60	62	496.81	09-Jun-03	9:57 AM	40.20	0.20	456.55
			08-Sep-03	11:35 AM	41.35	0.20	455.40
			08-Dec-03	10:45 AM	42.15	0.20	454.61
			15-Mar-04	11:30 AM	41.44	0.20	455.31
			16-Mar-04	1:48 PM	41.34	0.20	455.41
			14-May-04	9:28 AM	40.53	0.20	456.22
			08-Jun-04	12:50 PM	40.27	0.19	456.48
			22-Sep-04	1:47 PM	42.05	0.20	454.70
			16-Nov-04	2:08 PM	42.87	0.20	453.89

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Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
MW-31-60	62	496.81	16-Dec-04	12:00 AM	43.28	0.20	453.48
MW-31-135	133	498.11	16-Apr-04	11:16 AM	42.03	0.70	456.14
			10-Jun-04	2:38 PM	42.20	0.70	455.97
			23-Sep-04	2:03 PM	43.88	0.72	454.30
			14-Dec-04	10:59 AM	44.92	0.72	453.30
MW-32-20	20	461.51	09-Jun-03	10:45 AM	5.30	0.40	456.21
			08-Sep-03	12:38 PM	6.64	0.40	454.87
			04-Nov-03	9:27 AM	7.25	0.70	454.29
			08-Dec-03	12:15 PM	7.25	0.70	454.29
			13-Jan-04	1:05 PM	8.20	0.80	453.35
			18-Feb-04	10:52 AM	7.22	0.40	454.29
			15-Mar-04	11:30 AM	6.50	0.60	455.03
			18-Mar-04	1:15 PM	6.39	0.60	455.14
			13-Apr-04	1:50 PM	5.69	0.40	455.82
			12-May-04	12:15 PM	5.60	0.40	455.91
			07-Jun-04	2:40 PM	7.34	0.40	454.17
			13-Jul-04	11:58 AM	5.88	0.40	455.63
			11-Aug-04	11:45 AM	6.55	2.15	455.15
			20-Sep-04	3:03 PM	7.18	0.77	454.37
			19-Oct-04	12:43 PM	7.82	0.77	453.72
			15-Nov-04	1:00 PM	8.08	0.77	453.46
			02-Dec-04	1:45 PM	7.89	0.77	453.65
			14-Dec-04	2:30 PM	8.25	0.77	453.29
MW-32-35	37	461.63	09-Jun-03	10:43 AM	5.03	0.40	456.59
			08-Sep-03	12:36 PM	6.67	0.40	454.95
			04-Nov-03	9:10 AM	7.52	0.40	454.10
			08-Dec-03	12:20 PM	7.40	0.40	454.22
			13-Jan-04	10:12 AM	7.98	0.50	453.66
			18-Feb-04	9:12 AM	7.20	0.40	454.42
			15-Mar-04	11:31 AM	6.36	0.43	455.27
			18-Mar-04	2:10 PM	6.40	0.43	455.23
			13-Apr-04	2:20 PM	5.68	0.40	455.94
			12-May-04	12:58 PM	5.46	0.40	456.16
			08-Jun-04	9:00 AM	4.77	0.40	456.85
			14-Jul-04	8:47 AM	5.64	0.40	455.98
			11-Aug-04	12:15 PM	6.50	0.47	455.14
			21-Sep-04	9:20 AM	7.04	0.43	454.59
			19-Oct-04	1:19 PM	8.00	0.43	453.63
			15-Nov-04	1:56 PM	8.18	0.43	453.45
			02-Dec-04	2:13 PM	7.58	0.43	454.05
			15-Dec-04	9:05 AM	8.18	0.43	453.45
MW-33-40	39	487.41	09-Jun-03	12:08 PM	30.90	0.20	456.49

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Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
MW-33-40	39	487.41	08-Sep-03	1:10 PM	32.28	1.10	455.17
			04-Nov-03	1:00 PM	33.13	1.00	454.31
			08-Dec-03	12:52 PM	33.05	1.00	454.39
			13-Jan-04	11:45 AM	33.35	1.10	454.10
			19-Feb-04	9:05 AM	32.68	0.40	454.72
			15-Mar-04	11:00 AM	32.03	0.20	455.36
			18-Mar-04	9:30 AM	31.75	0.20	455.64
			14-Apr-04	10:20 AM	31.14	1.00	456.31
			12-May-04	9:45 AM	31.05	0.30	456.34
			09-Jun-04	12:46 PM	31.00	0.20	456.39
			13-Jul-04	9:45 AM	31.15	0.20	456.24
			11-Aug-04	9:05 AM	31.70	0.45	455.71
			21-Sep-04	1:03 PM	32.78	0.63	454.64
			20-Oct-04	9:01 AM	33.07	0.63	454.35
			16-Nov-04	9:29 AM	33.10	0.63	454.32
			15-Dec-04	1:20 PM	33.73	0.63	453.69
MW-33-90	89	487.57	09-Jun-03	12:05 PM	30.95	0.50	456.61
			08-Sep-03	1:14 PM	32.50	0.50	455.06
			04-Nov-03	1:14 PM	33.30	0.60	454.30
			08-Dec-03	12:55 PM	33.25	0.60	454.35
			13-Jan-04	11:07 AM	33.60	0.80	454.08
			17-Feb-04	10:23 AM	32.88	0.40	454.64
			15-Mar-04	11:02 AM	32.22	0.40	455.30
			18-Mar-04	9:33 AM	31.88	0.40	455.64
			14-Apr-04	11:06 AM	31.27	1.60	456.75
			13-May-04	1:45 PM	31.77	0.50	455.79
			14-Jul-04	12:20 PM	31.81	0.70	455.83
			12-Aug-04	9:20 AM	31.98	0.53	455.59
			21-Sep-04	1:52 PM	33.17	0.53	454.40
			20-Oct-04	12:50 PM	33.50	0.53	454.07
			16-Nov-04	1:44 PM	33.50	0.53	454.09
			14-Dec-04	10:00 AM	33.86	0.53	453.73
MW-34-55	56	460.88	09-Jun-03	11:12 AM	4.20	0.50	456.73
			08-Sep-03	12:52 PM	6.17	0.30	454.69
			04-Nov-03	10:00 AM	6.97	0.40	453.93
			08-Dec-03	12:30 PM	7.00	0.10	453.79
			13-Jan-04	2:30 PM	7.45	0.20	453.38
			18-Feb-04	1:40 PM	6.53	0.60	454.44
			15-Mar-04	11:17 AM	5.85	0.70	455.15
			17-Mar-04	12:50 PM	6.31	0.70	454.69
			15-Apr-04	12:00 PM	4.92	0.60	456.05
			13-May-04	9:17 AM	4.88	0.60	456.09
			08-Jun-04	10:39 AM	4.13	0.60	456.84

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Monitoring Wells							
MW-34-55	56	460.88	14-Jul-04	10:40 AM	5.19	0.50	455.74
			11-Aug-04	1:20 PM	6.24	0.60	454.73
			22-Sep-04	1:35 PM	6.62	0.59	454.34
			20-Oct-04	11:32 AM	7.07	0.59	453.89
			16-Nov-04	11:35 AM	6.75	0.59	454.32
			15-Dec-04	10:00 AM	7.32	0.59	453.64
MW-34-80	83	460.99	09-Jun-03	11:15 AM	4.30	0.90	456.99
			08-Sep-03	12:50 PM	6.27	1.00	455.07
			04-Nov-03	10:20 AM	7.00	1.00	454.33
			08-Dec-03	12:35 PM	7.07	0.90	454.21
			13-Jan-04	10:50 AM	7.00	0.80	454.23
			18-Feb-04	11:48 AM	6.73	0.90	454.55
			15-Mar-04	11:19 AM	5.98	0.90	455.30
			17-Mar-04	1:45 PM	6.52	0.90	454.76
			16-Apr-04	9:02 AM	4.42	0.80	456.81
			13-May-04	11:03 AM	5.47	0.80	455.76
			08-Jun-04	12:40 PM	4.85	0.80	456.38
			15-Jul-04	8:45 AM	5.86	1.20	455.59
			12-Aug-04	10:33 AM	5.86	0.90	455.42
			23-Sep-04	8:40 AM	6.31	0.93	454.99
			20-Oct-04	2:12 PM	7.35	0.93	453.94
			17-Nov-04	9:20 AM	6.68	0.93	454.62
			13-Dec-04	1:00 PM	8.18	0.93	453.12
MW-35-60	57	484.19	15-Apr-04	9:25 AM	27.50	0.30	456.64
			10-Jun-04	2:50 PM	27.82	0.35	456.34
			22-Sep-04	2:45 PM	29.62	0.35	454.54
			13-Dec-04	2:01 PM	30.68	0.35	453.49
MW-35-135	156	483.57	15-Apr-04	10:23 AM	27.58	0.70	456.14
			10-Jun-04	11:17 AM	27.61	0.72	456.13
			23-Sep-04	10:36 AM	29.05	0.68	454.65
			13-Dec-04	12:03 PM	30.19	0.68	453.58
MW-36-20	20	469.32	15-Jun-04	1:55 PM	13.23	0.63	456.10
			21-Sep-04	11:48 AM	14.01	1.13	455.35
			19-Oct-04	2:28 PM	16.90	1.13	452.45
			17-Nov-04	8:54 AM	15.15	1.13	454.21
			14-Dec-04	12:44 PM	15.97	1.13	453.38
MW-36-40	46	469.64	16-Jun-04	10:26 AM	13.43	0.49	456.21
			21-Sep-04	1:32 PM	15.45	0.59	454.21
			19-Oct-04	11:47 AM	16.15	0.59	453.51
			17-Nov-04	9:40 AM	15.43	0.59	454.24
			15-Dec-04	9:20 AM	16.11	0.59	453.56
MW-36-50	51	469.65	17-Jun-04	10:06 AM	13.17	0.50	456.49

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Manual Water Level Measurements and Elevations
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Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
MW-36-50	51	469.65	21-Sep-04	10:56 AM	15.50	0.54	454.17
			18-Oct-04	9:54 AM	15.98	0.54	453.69
			17-Nov-04	10:40 AM	15.48	0.54	454.19
			15-Dec-04	8:41 AM	16.10	0.54	453.57
MW-36-70	70	469.31	17-Jun-04	11:40 AM	12.99	0.70	456.42
			22-Sep-04	10:02 AM	14.75	0.74	454.67
			20-Oct-04	9:04 AM	15.28	0.74	454.14
			17-Nov-04	11:49 AM	15.21	0.74	454.22
			14-Dec-04	1:58 PM	16.04	0.74	453.39
MW-36-90	90	469.68	15-Jun-04	12:24 PM	13.30	0.92	456.62
			23-Sep-04	1:30 PM	15.63	0.97	454.32
			19-Oct-04	12:46 PM	16.53	0.97	453.41
			17-Nov-04	12:33 PM	16.04	0.97	453.93
			15-Dec-04	9:52 AM	16.24	0.97	453.72
MW-36-100	110	469.69	15-Jun-04	10:25 AM	13.35	0.97	456.69
			23-Sep-04	1:30 PM	16.88	0.97	453.15
			21-Oct-04	11:07 AM	16.17	0.97	453.86
			17-Nov-04	12:55 PM	16.13	0.97	453.91
			14-Dec-04	10:55 AM	16.66	0.97	453.38
MW-37D	225	486.19	11-Jun-04	10:32 AM	30.37	0.80	456.04
			24-Sep-04	9:42 AM	31.41	0.96	455.23
			14-Dec-04	12:07 PM	32.39	0.96	454.26
MW-37S	84	485.97	10-Jun-04	1:45 PM	30.00	0.20	455.81
			23-Sep-04	8:54 AM	31.30	0.23	454.52
			13-Dec-04	1:00 PM	32.42	0.23	453.41
MW-38D	188	525.31	10-Jun-04	1:25 PM	69.80	1.33	456.08
			23-Sep-04	12:44 PM	70.53	0.96	455.03
			14-Dec-04	9:18 AM	71.68	0.96	453.90
MW-38S	95	525.51	14-May-04	10:41 AM	90.20	0.20	435.29
			11-Jun-04	8:57 AM	69.62	0.23	455.81
			17-Jun-04	12:10 PM	69.55	0.24	455.89
			24-Sep-04	8:50 AM	70.38	0.23	455.06
			14-Dec-04	10:11 AM	71.44	0.23	454.00
MW-39-40	40	468.02	18-Jun-04	9:13 AM	11.73	0.30	456.25
			20-Oct-04	2:20 PM	14.45	0.35	453.54
			17-Nov-04	1:57 PM	14.11	0.35	453.88
			15-Dec-04	1:06 PM	14.80	0.35	453.19
MW-39-50	52	467.93	18-Jun-04	10:04 AM	11.75	0.50	456.18
			20-Oct-04	12:56 PM	14.46	0.58	453.49
			18-Nov-04	8:59 AM	13.70	0.58	454.25
			15-Dec-04	12:17 PM	14.72	0.58	453.23

Table 6
Manual Water Level Measurements and Elevations
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
MW-39-60	66	468.00	18-Jun-04	10:45 AM	11.93	0.40	456.03
			20-Oct-04	10:15 AM	14.40	0.49	453.59
			18-Nov-04	10:09 AM	14.25	0.49	453.76
			15-Dec-04	10:41 AM	14.41	0.49	453.59
MW-39-70	70	468.02	18-Jun-04	8:05 AM	11.75	0.40	456.23
			21-Oct-04	9:42 AM	14.40	0.50	453.62
			18-Nov-04	11:13 AM	14.25	0.50	453.78
			15-Dec-04	1:52 PM	15.13	0.50	452.90
MW-39-80	80	467.92	17-Jun-04	1:28 PM	11.90	0.60	456.07
			20-Oct-04	11:20 AM	14.63	0.71	453.39
			18-Nov-04	12:25 PM	14.44	0.71	453.59
			15-Dec-04	11:34 AM	14.42	0.71	453.61
MW-39-100	118	468.01	15-Jun-04	11:55 AM	11.97	1.00	456.41
			16-Jun-04	11:41 AM	11.97	1.00	456.41
			23-Sep-04	2:35 PM	14.07	0.99	454.29
			21-Oct-04	12:03 PM	14.53	0.99	453.83
			17-Nov-04	2:25 PM	14.58	0.99	453.80
			15-Dec-04	2:30 PM	14.30	0.99	454.08
MW-40D	265	566.08	10-May-04	2:20 PM	109.98	0.80	456.17
			14-Jun-04	12:35 PM	110.00	1.00	456.37
			22-Sep-04	9:45 AM	110.98	0.96	455.34
			16-Dec-04	9:53 AM	112.17	0.96	454.20
MW-40S	---	566.04	11-May-04	9:00 AM	110.00	0.10	455.95
			14-Jun-04	8:15 AM	109.60	0.10	456.34
			22-Sep-04	9:46 AM	110.55	0.11	455.40
			16-Dec-04	9:09 AM	111.82	0.11	454.14
MW-41D	---	479.42	18-Nov-04	8:45 AM	24.95	1.30	456.01
			15-Dec-04	11:16 AM	25.32	1.30	455.58
MW-41M	---	479.83	18-Nov-04	10:05 AM	24.80	1.01	455.69
			15-Dec-04	12:28 PM	25.21	1.01	455.21
MW-41S	---	480.07	18-Nov-04	11:00 AM	25.42	0.48	454.65
			16-Dec-04	11:26 AM	25.92	0.48	454.14
PGE-6	180	563.32	09-Jun-03	8:25 AM	106.90	0.33	456.31
			08-Sep-03	10:30 AM	107.20	0.20	455.94
			08-Dec-03	9:25 AM	108.15	0.30	455.04
			15-Mar-04	12:13 PM	108.14	0.30	455.05
PGE-7	330	563.89	09-Jun-03	8:35 AM	108.35	0.97	456.23
			08-Sep-03	10:28 AM	107.95	0.97	456.63
			08-Dec-03	9:21 AM	108.95	1.00	455.67
			15-Mar-04	12:16 PM	108.80	1.00	455.82
PGE-8	562	596.01	09-Jun-03	8:29 AM	139.53	1.12	457.96

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Manual Water Level Measurements and Elevations
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Monitoring Wells							
PGE-8	562	596.01	08-Sep-03	1:45 PM	140.05	1.12	457.44
			08-Dec-03	9:05 AM	141.05	1.30	456.98
			15-Mar-04	10:15 AM	141.07	1.30	456.96
Park Moabi	250	518.55	16-Mar-04	10:00 AM	61.34	0.08	456.62
Surface Water Stations							
A-Dock	---	460.22	09-Jun-03	12:25 PM	3.50	0.00	456.72
			08-Sep-03	12:23 PM	5.50	0.00	454.72
			08-Dec-03	1:22 PM	6.75	0.00	453.47
			17-Feb-04	12:30 PM	6.16	0.10	454.06
			15-Mar-04	10:47 AM	4.95	0.00	455.27
			11-Jun-04	10:12 AM	6.00	0.00	454.22
I-3	---	460.30	09-Jun-03	10:26 AM	3.65	0.00	456.65
			10-Jun-03	11:10 AM	4.25	0.00	456.05
			16-Jun-03	3:25 PM	5.53	0.00	454.77
			08-Sep-03	12:06 PM	5.85	0.00	454.45
			09-Sep-03	4:17 PM	6.72	0.00	453.58
			03-Nov-03	3:34 PM	7.60	0.00	452.70
			08-Dec-03	1:50 PM	7.20	0.00	453.10
			13-Jan-04	9:55 AM	6.39	0.00	453.91
			13-Jan-04	3:25 PM	7.41	0.00	452.89
			13-Jan-04	1:00 PM	7.05	0.00	453.25
			14-Jan-04	10:35 AM	6.50	0.00	453.80
			16-Feb-04	2:20 PM	6.70	0.10	453.60
			13-Mar-04	11:45 AM	4.59	0.00	455.71
			15-Mar-04	10:30 AM	5.62	0.00	454.68
			15-Mar-04	12:10 PM	5.62	0.00	454.68
			13-May-04	2:32 PM	5.60	0.00	454.70
			10-Jun-04	12:56 PM	5.07	0.00	455.23
			15-Jul-04	11:45 AM	5.07	0.00	455.23
			17-Sep-04	12:18 PM	6.05	0.00	454.25
			16-Dec-04	12:53 PM	7.16	0.00	453.14
RRB	---	476.63	09-Jun-03	12:20 PM	20.25	0.00	456.38
			08-Sep-03	12:18 PM	22.10	0.00	454.53
			03-Nov-03	3:42 PM	23.57	0.00	453.06
			08-Dec-03	1:42 PM	23.35	0.00	453.28
			13-Jan-04	3:35 PM	23.38	0.00	453.25
			13-Jan-04	1:10 PM	23.06	0.00	453.57
			13-Jan-04	10:05 AM	22.35	0.00	454.28
			14-Jan-04	10:45 AM	22.52	0.00	454.11
			14-Jan-04	10:25 AM	22.45	0.00	454.18
			16-Feb-04	3:45 PM	22.66	0.00	453.97
			15-Mar-04	1:20 PM	21.61	0.00	455.02

Table 6
Manual Water Level Measurements and Elevations
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time		Water Level Measurement (feet BMP)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
Surface Water Stations							
RRB	---	476.63	15-Mar-04	10:40 AM	21.61	0.00	455.02
			13-Apr-04	1:45 PM	20.91	0.00	455.72
			13-May-04	11:45 AM	21.43	0.00	455.20
			10-Jun-04	12:10 PM	20.83	0.00	455.80
			15-Jul-04	12:12 PM	21.40	0.00	455.23
			17-Sep-04	10:30 AM	21.85	0.00	454.78
			16-Dec-04	11:40 AM	23.35	0.00	453.28

NOTES:
1. BGS = below ground surface
2. AMSL = above mean sea level
3. BMP = below well measure point
4. Well depths rounded off to whole foot.
5. (---) = data not collected or available.

* Measuring Point Elevations were re-surveyed in Febuary 2004.
\+ Measured during active pumping.

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-9	12-Jun-03	3,590	30.20	8.09	67	8.39
	11-Sep-03	3,640	30.53	7.35	77	3.70
	12-Dec-03	3,750	27.38	7.30	55	4.50
	16-Mar-04	3,570	28.69	7.44	109	4.69
	09-Jun-04	3,250	29.10	7.51	124	---
	21-Sep-04	2,900	29.08	7.23	73	7.28
	17-Dec-04	---	27.80	7.27	124	7.19
	11-Jan-05	3,180	29.00	7.14	169	8.71
MW-10	12-Jun-03	3,580	29.19	8.16	37	1.07
	11-Sep-03	3,250	29.11	7.46	57	2.30
	12-Dec-03	3,140	28.19	7.48	52	3.30
	16-Mar-04	4,090	28.56	7.41	101	5.63
	10-Jun-04	3,860	28.93	7.28	179	---
	21-Sep-04	3,290	28.98	7.16	53	4.68
	17-Dec-04	---	27.50	7.34	113	2.64
	11-Jan-05	3,190	28.60	7.37	148	1.77
MW-11	12-Jun-03	2,520	29.76	8.10	58	6.48
	11-Sep-03	2,560	29.84	7.44	68	5.90
	12-Dec-03	2,350	27.75	7.37	73	4.50
	16-Mar-04	2,830	29.08	7.42	111	5.90
	10-Jun-04	2,510	29.22	7.17	170	7.04
	21-Sep-04	2,300	29.38	7.08	61	7.87
	17-Dec-04	---	27.80	7.29	111	5.70
	11-Jan-05	2,800	27.10	7.39	143	6.69
MW-12	11-Jun-03	4,150	28.71	9.19	-10	6.73
	09-Sep-03	4,360	29.33	8.03	187	6.50
	10-Dec-03	4,480	27.79	8.47	-24	7.20
	16-Mar-04	---	28.83	8.56	141	6.41
	09-Jun-04	4,710	28.34	8.53	67	---
	20-Sep-04	4,480	28.30	8.08	26	6.15
MW-13	12-Jun-03	2,170	29.51	8.17	27	6.39
	13-Sep-03	2,180	28.86	7.55	19	6.90
	12-Dec-03	2,060	27.88	7.53	-13	6.00
	17-Mar-04	---	29.32	7.78	84	6.43
	09-Jun-04	2,270	28.40	7.54	10	---
	24-Sep-04	1,950	28.43	7.83	107	6.55
	16-Dec-04	1,750	28.16	7.64	152	7.57
MW-14	12-Jun-03	1,630	29.27	8.22	-33	6.02
	11-Sep-03	1,660	29.39	7.62	33	6.10
	12-Dec-03	1,540	28.00	7.61	4	6.70
	16-Mar-04	1,770	28.61	7.69	10	7.04
	08-Jun-04	2,930	29.59	7.77	73	---
	20-Sep-04	1,590	28.90	7.45	47	6.50

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-14	16-Dec-04	1,350	26.48	7.76	156	8.20
MW-15	12-Jun-03	1,670	30.47	8.47	47	6.38
	11-Sep-03	1,260	30.54	7.81	20	7.60
	12-Dec-03	1,400	29.16	7.58	10	7.20
	16-Mar-04	2,200	29.37	7.53	-71	7.75
	07-Jun-04	1,660	29.90	8.72	-16	---
	22-Sep-04	---	29.28		54	---
	17-Dec-04	---	28.80	7.56	-30	6.81
MW-16	12-Jun-03	1,190	30.90	8.50	-28	5.50
	11-Sep-03	1,220	30.60	7.79	-28	3.20
	12-Dec-03	1,200	28.15	7.67	-49	5.60
	16-Mar-04	1,360	29.43	7.81	-7	8.05
	09-Jun-04	1,290	29.41	8.01	21	---
	16-Dec-04	1,690	28.80	7.89	-6	5.54
MW-17	11-Sep-03	1,840	30.46	7.60	39	2.70
	05-Nov-03	1,920	27.61	7.72	43	4.70
	12-Dec-03	1,730	27.78	7.58	29	6.00
	16-Mar-04	2,030	29.35	7.60	15	5.31
	07-Jun-04	1,870	32.25	8.86	50	---
	16-Dec-04	1,540	30.00	7.82	187	---
MW-18	12-Jun-03	1,300	30.40	8.28	65	7.43
	11-Sep-03	1,360	29.65	7.62	91	7.80
	12-Dec-03	1,300	27.69	7.58	21	7.80
	16-Mar-04	1,450	28.58	7.65	55	8.51
	09-Jun-04	1,660	28.53	7.54	101	---
	24-Sep-04	1,280	28.39	7.47	132	8.06
	16-Dec-04	1,120	26.01	7.76	183	8.66
MW-19	13-Sep-03	2,500	29.03	7.56	64	7.00
	10-Dec-03	2,480	27.40	7.58	81	7.40
	16-Mar-04	---	29.00	7.82	92	7.18
	08-Jun-04	4,390	29.18	7.74	68	---
	20-Sep-04	2,380	28.67	7.31	37	5.49
	17-Dec-04	---	28.40	7.35	13	6.33
MW-20-70	11-Jun-03	3,770	31.41	8.15	62	3.85
	09-Sep-03	3,660	30.64	7.50	113	4.30
	10-Dec-03	3,680	28.48	7.61	82	6.20
	15-Mar-04	---	27.97	7.60	198	5.44
	11-May-04	3,560	30.42	7.04	---	7.95
	11-Jun-04	4,360	30.10	7.71	35	6.58
	24-Sep-04	3,220	29.32	8.00	89	8.79
	16-Dec-04	3,440	22.61	8.00	150	---
MW-20-100	11-Jun-03	5,730	31.37	8.38	31	1.59
	09-Sep-03	6,010	30.41	7.61	95	0.90

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-20-100	10-Dec-03	15,900	28.28	7.80	53	3.80
	15-Mar-04	---	29.36	7.60	155	3.58
	11-May-04	5,460	29.87	7.49	---	6.44
	11-Jun-04	6,330	30.20	7.94	8	4.20
	24-Sep-04	4,410	31.06	7.90	89	1.13
	16-Dec-04	4,770	26.57	8.29	126	---
MW-20-130	11-Jun-03	19,000	31.09	8.30	34	1.90
	09-Sep-03	20,000	32.14	7.59	110	4.50
	10-Dec-03	19,100	26.45	7.81	48	3.20
	15-Mar-04	---	28.35	7.96	177	4.31
	11-May-04	12,000	29.86	6.90	---	8.35
	11-Jun-04	13,800	30.10	8.08	8	4.66
	24-Sep-04	11,400	29.61	8.16	72	1.57
	27-Jan-05	---	27.80	7.66	38	1.81
MW-21	12-Jun-03	13,900	28.68	7.61	-192	0.14
	10-Sep-03	14,400	30.25	7.13	-69	3.90
	04-Nov-03	15,900	27.82	6.05	3	5.90
	11-Dec-03	15,800	26.42	7.08	-105	3.80
	14-Jan-04	18,200	26.34	7.32	-101	4.10
	16-Mar-04	---	29.11	6.78	-157	2.70
	14-Apr-04	3,140	28.17	7.17	-110	---
	11-May-04	11,100	28.30	7.19	-125	---
	08-Jun-04	11,300	29.09	7.89	-69	---
	14-Jul-04	16,700	28.00	7.18	---	5.62
	12-Aug-04	13,500	39.13	7.36	19	7.86
	21-Sep-04	10,900	28.43	6.95	-128	7.29
	16-Dec-04	---	25.40	7.19	-97	4.71
MW-22	10-Jun-03	27,300	24.73	8.15	-156	0.29
	10-Sep-03	33,900	30.79	6.60	-102	1.00
	11-Dec-03	32,600	22.75	6.97	-23	3.30
	19-Mar-04	33,100	22.46	6.96	-162	---
	07-Jun-04	24,500	25.40	6.95	-67	2.60
	23-Sep-04	33,500	29.30	7.59	-111	0.34
	16-Dec-04	32,600	23.97	7.33	-113	---
MW-23	11-Jun-03	19,400	29.07	7.78	-155	0.55
	09-Sep-03	20,700	28.24	7.09	-84	1.80
	11-Dec-03	21,000	26.00	7.42	-198	2.60
	16-Mar-04	---	29.51	6.79	-196	3.86
	08-Jun-04	17,300	28.46	7.66	-66	4.86
	21-Sep-04	16,800	28.37	6.71	-152	5.26
	16-Dec-04	---	26.90	7.01	-72	2.24
MW-24A	12-Jun-03	3,850	29.10	8.71	-150	3.52
	11-Sep-03	3,600	29.29	7.79	16	2.90

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-24A	10-Dec-03	3,620	28.46	7.86	16	4.70
	17-Mar-04	---	29.26	7.96	59	6.53
	08-Jun-04	3,450	29.19	7.80	27	---
	20-Sep-04	3,530	29.07	7.39	63	4.24
	17-Dec-04	---	28.00	7.51	118	2.35
	11-Jan-05	4,700	28.80	7.62	111	1.43
MW-24B	12-Jun-03	14,400	30.98	8.65	13	1.87
	11-Sep-03	14,700	31.07	8.28	-41	2.70
	10-Dec-03	15,300	29.37	8.09	-47	2.90
	17-Mar-04	---	30.37	8.35	-46	2.03
	08-Jun-04	13,100	30.20	7.92	66	3.02
	21-Sep-04	10,800	29.69	7.67	42	4.30
	17-Dec-04	---	27.10	7.77	104	1.01
	11-Jan-05	14,000	29.40	7.87	105	1.02
MW-24BR	12-Jun-03	15,800	32.38	8.38	-359	0.08
	11-Sep-03	15,900	32.04	7.81	-294	0.60
	10-Dec-03	16,800	30.55	7.94	-317	2.40
	17-Mar-04	---	32.41	7.85	-380	---
	08-Jun-04	14,400	33.13	8.95	-312	2.03
	21-Sep-04	13,500	32.22	7.65	-373	1.82
	16-Dec-04	---	27.90	7.82	-343	0.19
MW-25	12-Jun-03	1,920	30.46	8.07	63	3.45
	13-Sep-03	1,800	29.94	7.48	64	5.00
	12-Dec-03	1,650	28.59	7.63	-39	6.10
	17-Mar-04	---	29.75	7.77	99	7.37
	14-May-04	1,980	30.10	7.56	53	7.40
	09-Jun-04	1,950	29.02	7.25	125	7.27
	22-Sep-04	1,640	30.45	7.41	75	7.01
MW-26	11-Jun-03	3,480	30.89	8.12	-18	2.94
	09-Sep-03	3,790	31.03	7.25	77	6.40
	10-Dec-03	4,000	26.73	7.42	61	7.40
	16-Mar-04	---	30.43	7.90	164	9.14
	14-May-04	4,130	30.30	7.52	56	---
	08-Jun-04	3,540	30.38	7.51	91	8.01
	22-Sep-04	3,130	30.10	7.27	92	8.43
	16-Dec-04	4,000	29.60	7.40	55	9.52
MW-27-20	10-Jun-03	980	20.37	9.15	-213	0.05
	10-Sep-03	1,100	21.80	7.57	-183	0.20
	04-Nov-03	1,130	20.95	7.87	-172	3.30
	11-Dec-03	938	19.49	7.72	-177	3.10
	13-Jan-04	1,420	19.50	7.86	-188	2.30
	19-Feb-04	1,070	18.19	7.92	-190	---
	19-Feb-04	1,060	18.09	7.87	-180	---

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-27-20	17-Mar-04	938	19.29	7.62	-234	2.57
	13-Apr-04	1,140	21.36	7.61	-176	1.06
	12-May-04	940	21.40	7.71	---	3.90
	08-Jun-04	680	20.50	7.36	-139	3.80
	13-Jul-04	1,050	23.90	7.40	-163	---
	11-Aug-04	860	23.51	7.35	-153	3.19
	21-Sep-04	970	23.19	8.08	-183	---
	19-Oct-04	1,230	22.77	7.62	-214	3.27
	15-Nov-04	1,220	20.82	8.18	-177	6.01
	02-Dec-04	1,030	20.04	8.25	-179	6.37
	15-Dec-04	1,320	19.01	8.07	-186	7.40
MW-28-25	10-Jun-03	1,930	24.39	9.09	-173	0.00
	10-Sep-03	1,430	25.93	7.43	-110	1.00
	04-Nov-03	1,480	25.22	7.87	-106	3.30
	11-Dec-03	1,450	23.99	7.87	-170	3.40
	13-Jan-04	1,770	23.92	7.60	-77	2.10
	20-Feb-04	1,830	23.14	7.63	-6	1.29
	20-Feb-04	1,810	23.46	7.52	-47	0.50
	17-Mar-04	2,290	24.22	7.44	-169	3.56
	13-Apr-04	1,550	24.59	7.37	-140	4.78
	11-May-04	1,140	25.00	7.56	-175	4.20
	07-Jun-04	1,420	25.60	7.36	-94	3.80
	13-Jul-04	1,430	27.50	7.43	-112	---
	11-Aug-04	1,610	27.70	7.29	-37	3.94
	20-Sep-04	1,330	25.90	7.74	---	---
	19-Oct-04	1,280	25.44	7.36	-70	---
	15-Nov-04	1,570	24.59	7.77	-33	4.97
	02-Dec-04	1,260	23.91	8.04	-170	5.63
	14-Dec-04	---	24.70	7.35	-43	---
MW-28-90	10-Jun-04	11,100	23.20	8.08	-184	2.38
	20-Sep-04	10,100	23.90	8.35	-124	---
	19-Oct-04	9,760	23.34	7.80	-193	---
	15-Nov-04	11,000	22.97	8.30	-143	4.96
	13-Dec-04	9,000	22.46	7.80	-137	---
MW-29	11-Jun-03	8,630	24.73	7.63	-255	0.10
	10-Sep-03	5,700	25.23	7.14	-207	0.20
	11-Dec-03	7,180	24.46	7.34	-242	3.00
	19-Feb-04	15,900	25.08	7.52	-157	0.79
	18-Mar-04	---	25.66	7.70	-164	1.93
	13-Apr-04	4,250	24.48	7.25	-191	0.21
	11-May-04	3,030	25.20	7.49	-275	3.30
	09-Jun-04	2,730	25.00	7.29	-158	2.59
	13-Jul-04	3,830	25.30	7.35	-174	---
	11-Aug-04	4,700	25.56	7.06	-168	2.28

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-29	20-Sep-04	2,980	25.70	7.68	-125	---
	19-Oct-04	3,820	25.62	7.17	-203	---
	15-Nov-04	5,510	25.10	7.40	-184	---
	02-Dec-04	6,420	24.76	7.84	-208	5.62
	14-Dec-04	---			---	---
MW-30-30	10-Jun-03	40,100	28.23	8.43	-153	0.70
	10-Sep-03	62,200	28.67	6.81	-145	0.30
	04-Nov-03	65,600	26.20	7.11	-161	2.00
	11-Dec-03	54,800	25.64	7.04	-130	2.60
	14-Jan-04	70,000	25.25	6.67	-109	1.70
	19-Feb-04	49,500	26.31	7.29	-124	0.69
	19-Feb-04	53,600	26.38	7.29	-117	0.19
	18-Mar-04	48,300	27.44	6.98	-160	1.45
	14-Apr-04	99,900	26.56	7.08	-155	0.18
	12-May-04	44,100	27.00	6.92	---	2.50
	09-Jun-04	38,700	27.30	6.91	-99	3.31
	14-Jul-04	53,800	26.90	6.93	-135	3.54
	12-Aug-04	53,200	28.39	6.64	-97	3.17
	23-Sep-04	51,700	28.09	7.75	-132	0.15
	20-Oct-04	52,600	26.53	6.83	-126	3.22
	16-Nov-04	58,600	26.64	7.26	-121	3.25
	15-Dec-04	---	25.76	7.26	-116	4.38
MW-30-50	10-Jun-03	11,200	26.59	9.48	-201	0.00
	10-Sep-03	11,900	27.43	7.25	-234	0.10
	04-Nov-03	10,300	26.24	7.44	-227	3.10
	12-Dec-03	3,070	25.85	7.42	-324	2.00
	14-Jan-04	3,350	25.52	7.95	-344	1.70
	19-Feb-04	9,600	26.11	7.44	-166	0.43
	19-Feb-04	11,100	26.76	7.45	-54	0.33
	18-Mar-04	10,800	27.72	7.36	-66	0.36
	15-Apr-04	10,600	27.40	7.23	26	2.30
	14-May-04	10,600	26.90	7.34	47	2.40
	09-Jun-04	10,400	27.10	7.37	-23	2.88
	15-Jul-04	14,500	27.30	7.17	50	---
	12-Aug-04	10,700	27.17	6.89	-103	2.28
	23-Sep-04	10,500	27.15	8.03	-63	---
	21-Oct-04	10,300	25.46	7.14	-63	---
	17-Nov-04	10,000	26.07	7.12	-87	5.17
	15-Dec-04	10,300	25.26	7.62	-115	5.84
MW-31-60	11-Jun-03	3,150	29.99	8.17	75	7.53
	09-Sep-03	3,280	29.92	7.52	144	6.70
	10-Dec-03	3,220	27.36	7.66	87	6.10
	16-Mar-04	---	29.84	7.88	149	6.98
	14-May-04	3,310	29.00	7.61	51	7.20

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-31-60	08-Jun-04	3,790	29.14	7.66	80	8.46
	22-Sep-04	2,970	29.30	7.50	85	7.17
	16-Nov-04	2,890	27.87	7.48	85	7.23
	16-Dec-04	3,240	28.00	7.62	5	6.12
MW-31-135	16-Apr-04	13,500	29.50	7.96	-150	2.10
	10-Jun-04	13,100	29.58	7.68	-30	0.60
	23-Sep-04	9,500	30.45	7.78	17	5.03
	14-Dec-04	13,700	28.59	7.70	-23	6.15
MW-32-20	10-Jun-03	6,650	25.72	7.65	-144	0.15
	10-Sep-03	7,190	27.78	6.61	-114	0.70
	04-Nov-03	12,000	26.39	7.02	-148	2.90
	11-Dec-03	11,900	24.39	7.05	-118	3.00
	13-Jan-04	11,600	23.41	7.13	-117	2.60
	18-Feb-04	7,500	24.07	6.64	-133	1.70
	18-Feb-04	7,890	24.03	6.64	-143	2.10
	18-Mar-04	---	24.86	7.35	-148	1.38
	13-Apr-04	8,080	25.16	6.82	-139	0.31
	12-May-04	8,270	26.10	6.79	-183	3.50
	07-Jun-04	7,540	26.20	6.76	-121	3.20
	13-Jul-04	7,120	27.40	6.78	-143	2.70
	11-Aug-04	---	28.67	6.68	-182	2.60
	20-Sep-04	---	28.40	7.12	-129	---
	19-Oct-04	---	28.66	6.69	-147	2.13
	15-Nov-04	28,400	26.53	7.24	-147	4.51
	02-Dec-04	24,700	25.73	7.30	-145	4.92
	14-Dec-04	---	25.40	6.86	-161	2.10
MW-32-35	10-Jun-03	8,130	24.87	8.53	-283	0.00
	10-Sep-03	7,370	26.09	7.10	-245	0.10
	04-Nov-03	6,940	25.25	7.34	-218	3.00
	11-Dec-03	6,580	24.75	7.29	-254	2.40
	13-Jan-04	8,480	24.82	7.20	-255	2.00
	18-Feb-04	7,100	25.27	7.48	-225	---
	18-Mar-04	---	26.10	7.71	-165	1.34
	13-Apr-04	6,500	25.57	7.29	-167	0.17
	12-May-04	7,460	26.20	7.19	-218	3.00
	08-Jun-04	7,390	25.80	6.95	-130	3.10
	14-Jul-04	6,940	25.90	7.17	-162	---
	11-Aug-04	8,600	27.05	7.08	-140	3.17
	21-Sep-04	5,880	25.54	7.61	-157	---
	19-Oct-04	6,710	25.49	7.13	-190	---
	15-Nov-04	7,500	24.99	7.71	-170	---
	02-Dec-04	7,700	24.34	7.78	-159	5.62
	15-Dec-04	---	24.47	7.61	-169	6.04

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-33-40	11-Jun-03	4,160	26.96	7.59	-267	1.01
	10-Sep-03	18,000	27.82	7.63	-200	0.40
	04-Nov-03	17,000	26.87	7.88	-185	2.90
	11-Dec-03	16,300	26.48	7.80	-258	2.70
	13-Jan-04	17,900	26.68	7.76	-229	2.40
	19-Feb-04	7,810	26.54	8.29	-168	1.19
	18-Mar-04	4,440	27.48	8.28	-181	1.36
	14-Apr-04	16,400	26.60	8.20	-71	3.36
	12-May-04	5,530	27.50	8.48	-243	3.00
	09-Jun-04	4,720	27.40	8.44	-108	5.17
	13-Jul-04	4,750	28.40	8.57	-77	---
	11-Aug-04	8,450	28.13	7.99	-71	2.32
	21-Sep-04	---	28.44	8.17	-127	0.33
	20-Oct-04	17,300	27.06	7.56	-129	0.47
	16-Nov-04	15,700	27.07	8.07	-69	4.73
	15-Dec-04	9,000	26.60	8.34	-110	6.54
MW-33-90	11-Jun-03	7,760	29.98	7.83	-252	1.81
	12-Sep-03	9,270	27.29	7.34	-224	0.90
	04-Nov-03	10,000	27.12	7.88	-215	2.60
	13-Jan-04	13,200	26.28	7.75	-146	3.30
	17-Feb-04	7,930	27.70	8.05	-167	0.83
	17-Feb-04	8,000	26.94	8.01	-81	0.37
	18-Mar-04	8,140	27.22	7.76	-107	0.25
	14-Apr-04	---	26.93	7.77	-264	0.32
	13-May-04	9,060	28.20	7.73	-42	3.10
	14-Jul-04	12,700	28.50	7.66	-78	0.55
	12-Aug-04	9,500	28.46	7.38	---	2.26
	21-Sep-04	8,620	28.32	8.23	-124	0.25
	20-Oct-04	8,380	27.44	7.70	-132	0.32
	16-Nov-04	11,400	26.75	8.21	-93	3.91
MW-34-55	16-Jun-03	11,500	23.18	7.93	-178	0.00
	17-Jun-03	9,040	22.98	7.85	-182	0.00
	10-Sep-03	5,830	24.49	7.50	-319	0.00
	04-Nov-03	7,270	23.09	7.65	-275	2.30
	12-Dec-03	2,770	22.88	6.66	-214	2.80
	13-Jan-04	3,690	22.30	7.86	-28	2.30
	18-Feb-04	11,200	23.05	7.55	-258	---
	18-Feb-04	10,900	22.75	7.51	-186	0.07
	17-Mar-04	12,200	23.27	7.28	-134	---
	15-Apr-04	10,400	24.00	7.18	-134	3.20
	13-May-04	10,000	23.50	7.26	-153	3.00
	08-Jun-04	9,700	23.20	7.17	-63	2.90
	14-Jul-04	9,390	23.30	7.30	-109	0.49
	11-Aug-04	10,600	23.53	7.19	-56	2.17

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Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-34-55	22-Sep-04	9,410	22.94	7.68	-94	---
	20-Oct-04	9,330	22.73	7.32	-108	---
	16-Nov-04	9,600	22.40	7.80	-88	3.90
	15-Dec-04	9,000	22.21	7.70	-94	6.31
MW-34-80	16-Jun-03	15,400	23.68	7.80	-194	0.06
	17-Jun-03	13,300	23.32	7.78	-180	0.00
	10-Sep-03	16,000	24.70	7.30	-314	0.00
	04-Nov-03	16,700	23.47	7.84	-215	2.30
	11-Dec-03	15,700	22.86	7.86	-307	1.90
	13-Jan-04	14,000	22.99	7.74	-268	1.90
	18-Feb-04	15,400	22.83	7.93	-125	0.61
	18-Feb-04	14,700	23.07	7.92	-259	---
	17-Mar-04	15,500	23.07	7.50	-112	---
	16-Apr-04	13,400	24.20	7.26	-83	2.20
	13-May-04	14,400	24.70	7.28	-107	3.20
	08-Jun-04	13,700	23.80	7.19	-26	2.80
	15-Jul-04	19,400	23.90	7.14	-74	---
	12-Aug-04	15,500	23.56	6.95	-216	1.96
	20-Aug-04	14,300	23.46	6.93	-171	1.48
	23-Sep-04	13,100	22.85	7.98	-82	---
	20-Oct-04	13,200	22.68	7.21	-175	---
	17-Nov-04	12,700	22.25	7.10	-209	5.99
	13-Dec-04	12,700	22.52	7.66	-174	6.07
MW-35-60	15-Apr-04	6,380	26.90	7.52	-53	2.80
	10-Jun-04	7,580	27.70	7.72	93	3.81
	22-Sep-04	7,240	28.07	7.31	-22	4.71
	13-Dec-04	7,010	27.10	7.46	-53	1.08
MW-35-135	15-Apr-04	12,300	28.20	7.75	-247	3.00
	10-Jun-04	12,500	27.79	7.48	14	2.02
	23-Sep-04	9,400	28.51	7.60	-50	5.19
	13-Dec-04	---	27.10	7.71	-75	0.12
MW-36-20	15-Jun-04	11,000	26.56	7.32	-182	---
	21-Sep-04	16,900	27.30	7.32	-179	4.93
	19-Oct-04	---	26.86	7.03	-128	5.45
	17-Nov-04	22,800	26.16	7.58	-152	4.18
	14-Dec-04	---	26.07	7.57	-151	5.97
MW-36-40	16-Jun-04	8,890	27.77	7.24	-192	---
	21-Sep-04	8,800	27.24	7.45	-185	5.06
	19-Oct-04	9,400	25.86	7.41	12	---
	17-Nov-04	14,400	24.92	7.75	-166	4.25
	14-Dec-04	---	23.70	7.36	-168	---
MW-36-50	17-Jun-04	9,500	26.80	7.24	-219	3.74
	21-Sep-04	7,370	27.02	7.39	-191	4.89

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Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-36-50	18-Oct-04	9,140	26.07	7.28	13	---
	17-Nov-04	10,700	24.67	7.76	-147	4.47
	14-Dec-04	---	24.10	7.28	-151	0.31
MW-36-70	17-Jun-04	13,300	27.10	6.98	-201	3.90
	22-Sep-04	10,900	26.04	6.96	-151	3.95
	20-Oct-04	10,700	25.40	6.82	-135	6.33
	17-Nov-04	11,700	25.26	7.59	-126	4.28
	14-Dec-04	9,200	25.27	7.64	-131	6.52
MW-36-90	15-Jun-04	16,000	27.05	7.51	103	7.48
	23-Sep-04	15,100	27.17	7.65	67	---
	19-Oct-04	15,700	25.73	7.59	16	6.78
	17-Nov-04	---	25.21	7.95	-27	4.14
	14-Dec-04	---	23.50	7.43	-8	1.06
MW-36-100	15-Jun-04	16,500	26.39	7.88	-85	---
	23-Sep-04	15,000	26.23	8.64	-50	---
	21-Oct-04	15,500	25.21	7.72	-55	---
	17-Nov-04	15,400	25.08	7.55	-16	5.85
MW-37D	11-Jun-04	13,800	30.65	7.62	-152	0.40
	24-Sep-04	11,900	30.39	7.49	-41	4.84
	14-Dec-04	17,000	29.76	7.70	3	6.22
MW-37S	10-Jun-04	5,180	29.50	7.76	-60	4.09
	23-Sep-04	4,380	29.58	7.46	16	5.48
	13-Dec-04	4,470	28.70	7.74	-66	2.62
MW-38D	10-Jun-04	21,900	30.93	7.75	-61	0.48
	23-Sep-04	17,400	31.77	7.76	15	4.51
	14-Dec-04	---	28.77	7.25	99	5.44
MW-38S	14-May-04	4,260	29.50	7.61	17	3.50
	11-Jun-04	4,430	30.00	7.22	127	0.24
	17-Jun-04	4,560	30.08	7.48	17	0.20
	24-Sep-04	3,940	29.01	6.94	129	4.88
	14-Dec-04	4,500	28.82	7.25	53	6.24
MW-39-40	18-Jun-04	6,470	27.80	7.59	-220	3.14
	20-Oct-04	5,930	26.70	7.53	-194	6.71
	17-Nov-04	6,800	26.27	8.10	-181	4.19
	15-Dec-04	---	26.20	7.69	-173	0.52
MW-39-50	18-Jun-04	9,380	28.30	7.49	-40	3.48
	20-Oct-04	8,700	26.87	7.38	18	7.10
	18-Nov-04	11,800	25.84	7.29	12	---
	15-Dec-04	---	25.90	7.40	18	3.01
MW-39-60	18-Jun-04	7,700	28.30	7.80	-98	3.49
	20-Oct-04	7,670	26.62	7.37	32	7.02
	18-Nov-04	8,690	26.86	7.47	31	6.30

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Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-39-60	15-Dec-04	---	25.70	7.45	29	0.34
MW-39-70	18-Jun-04	8,580	27.80	7.40	29	3.33
	21-Oct-04	8,390	26.28	7.46	98	6.41
	18-Nov-04	9,450	26.81	7.51	45	6.54
	15-Dec-04	---	25.70	7.56	11	0.43
MW-39-80	17-Jun-04	11,900	27.90	7.46	-12	4.80
	20-Oct-04	9,800	26.61	7.29	70	7.05
	18-Nov-04	13,600	26.35	7.43	90	6.50
	15-Dec-04	---	25.30	7.43	66	1.59
MW-39-100	15-Jun-04	17,300	28.50	7.68	164	5.04
	23-Sep-04	14,200	27.87	8.49	15	2.14
	21-Oct-04	14,500	26.06	7.67	32	2.34
	17-Nov-04	14,200	26.29	7.59	57	6.43
	15-Dec-04	---	26.32	8.11	24	6.19
MW-40D	10-May-04	17,000	33.80	7.70	-105	2.30
	14-Jun-04	17,100	32.98	7.38	-42	0.18
	22-Sep-04	13,600	31.61	8.02	-112	0.44
	16-Dec-04	16,800	28.81	7.56	-80	5.63
MW-40S	11-May-04	2,320	30.90	8.03	64	7.40
	14-Jun-04	2,090	31.36	7.75	51	6.44
	22-Sep-04	2,050	30.50	8.09	79	8.27
	16-Dec-04	1,780	28.53	7.44	70	7.93
MW-41D	18-Nov-04	21,600	28.28	8.29	-181	3.48
	15-Dec-04	---	29.81	7.80	-222	5.05
MW-41M	18-Nov-04	20,800	25.96	8.21	-115	4.04
	15-Dec-04	18,800	29.15	7.68	-102	5.30
MW-41S	18-Nov-04	1,690	26.66	8.43	-99	4.43
	16-Dec-04	4,260	28.67	7.91	-19	6.35
PGE-6	09-Sep-03	4,550	29.57	7.62	-71	0.20
	09-Dec-03	5,020	27.93	7.62	-31	2.50
PGE-7	10-Dec-03	17,200	26.32	8.26	94	4.10
PGE-8	09-Dec-03	21,600	30.83	8.08	-269	2.10
Park Moabi	04-Nov-03	1,540	22.70	8.20	51	7.60
	11-Dec-03	1,340	27.21	8.11	-88	6.60
	16-Mar-04	---	24.15	7.03	204	8.29
	09-Jun-04	2,150	33.32	7.57	-81	4.76
	22-Sep-04	1,340	28.60	7.09	118	7.50
	15-Dec-04	1,570	19.84	8.04	-235	7.18
TW-1	17-Mar-04	---	32.59	7.73	79	5.68
	21-Dec-04	---	27.90	7.31	126	4.05
TW-2D	16-Dec-04	9,200	25.38	8.39	143	7.10

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
TW-2S	16-Dec-04	3,540	26.03	8.23	155	7.96
Surface Water Stations						
A-Dock	08-Sep-03	947	27.33	7.72	176	10.60
	17-Feb-04	1,250	15.30	7.44	194	11.60
CON	11-Jun-03	887	19.13	8.89	-15	11.22
	08-Sep-03	936	21.89	7.83	186	9.50
	10-Dec-03	969	13.07	8.45	81	9.80
	17-Feb-04	951	11.99	8.19	141	8.40
	15-Mar-04	1,090	16.13	7.55	128	10.04
	14-Apr-04	695	19.00	8.19	107	10.90
	12-May-04	1,110	18.07	8.04	---	12.75
	10-Jun-04	776	20.10	8.40	---	10.36
	15-Jul-04	1,110	22.70	8.21	112	10.72
	10-Aug-04	957	23.73	8.41	172	11.62
	23-Sep-04	1,040	21.10	7.93	190	8.44
	19-Oct-04	922	18.49	8.23	219	9.74
	15-Nov-04	1,020	16.90	8.09	39	5.91
	13-Dec-04	1,170	15.42	7.55	143	11.50
I-3	10-Jun-03	990	18.37	6.19	235	11.97
	08-Sep-03	977	22.58	8.19	127	12.30
	09-Dec-03	1,110	13.68	8.42	45	10.00
	16-Feb-04	2,160	11.06	7.71	130	9.60
	15-Mar-04	1,090	14.85	6.91	226	11.05
	13-Apr-04	708	17.90	7.59	165	13.60
	13-May-04	1,040	19.50	7.98	---	11.48
	15-Jul-04	1,080	21.10	7.54	110	10.41
	10-Aug-04	1,370	23.46	6.63	126	13.08
	23-Sep-04	1,060	18.94	7.92	195	9.40
	19-Oct-04	921	18.98	9.00	183	10.15
	15-Nov-04	980	17.80	8.45	44	5.87
	13-Dec-04	1,160	15.35	8.08	131	11.10
Needles Gauge	08-Sep-03	951	22.73	6.57	224	9.30
	16-Feb-04	1,080	12.75	7.89	194	9.43
NR-1	08-Sep-03	945	22.46	7.04	208	9.90
	16-Feb-04	1,080	12.14	7.91	213	9.34
	16-Mar-04	---	16.19	8.03	213	9.98
	13-Apr-04	719	19.00	8.34	121	13.00
	13-May-04	1,150	17.65	8.05	---	10.60
	11-Jun-04	683	18.70	8.24	95	10.29
	15-Jul-04	1,130	22.20	8.22	113	9.72
	10-Aug-04	952	23.09	8.38	152	10.83
	23-Sep-04	1,050	21.49	8.05	188	8.63
	19-Oct-04	918	18.85	8.52	210	9.89

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Surface Water Stations						
NR-1	15-Nov-04	1,000	17.00	8.30	43	5.78
	13-Dec-04	1,220	15.06	6.25	174	11.28
NR-2	08-Sep-03	948	22.55	7.61	192	9.50
	16-Feb-04	1,090	11.96	7.80	223	8.94
	16-Mar-04	---	15.83	8.21	203	9.94
	13-Apr-04	712	18.90	8.30	135	12.30
	13-May-04	1,120	17.63	8.04	---	10.52
	11-Jun-04	670	18.50	8.18	158	9.75
	15-Jul-04	1,100	21.40	8.11	122	10.60
	10-Aug-04	945	23.25	8.35	150	11.21
	23-Sep-04	1,030	22.36	8.11	185	8.83
	19-Oct-04	911	18.43	8.26	216	9.69
	15-Nov-04	965	16.90	8.14	56	6.00
	13-Dec-04	1,160	15.85	7.16	155	11.23
NR-3	17-Feb-04	1,060	11.17	8.07	210	9.20
	16-Mar-04	---	15.82	8.32	199	9.81
	13-Apr-04	712	18.70	8.28	141	12.20
	13-May-04	1,010	17.65	8.08	---	9.97
	11-Jun-04	672	18.70	8.50	135	9.92
	15-Jul-04	1,090	21.70	8.09	128	10.44
	10-Aug-04	953	23.28	8.40	130	11.30
	23-Sep-04	1,050	22.05	7.47	189	8.44
	19-Oct-04	904	18.41	8.17	218	9.10
	15-Nov-04	960	16.90	8.38	46	6.06
	13-Dec-04	1,150	15.92	7.44	142	11.33
R-22	10-Jun-03	935	18.78	9.13	74	11.86
	10-Sep-03	1,150	20.06	7.91	56	6.90
	11-Dec-03	1,020	13.19	8.49	41	9.60
	16-Feb-04	1,650	11.20	8.31	133	8.20
	15-Mar-04	1,090	15.68	7.73	161	9.89
	14-Apr-04	681	17.50	8.03	134	10.60
	12-May-04	1,100	17.48	8.07	---	12.77
	10-Jun-04	734	18.10	8.55	---	9.24
	15-Jul-04	1,100	22.80	8.25	121	10.15
	10-Aug-04	947	23.02	7.73	115	12.04
	23-Sep-04	1,460	19.07	7.27	193	9.56
	19-Oct-04	1,220	18.86	8.01	249	9.74
	15-Nov-04	1,150	17.11	7.28	180	12.48
	13-Dec-04	1,150	15.39	8.05	128	11.22
R-27	10-Jun-03	980	21.09	9.88	-73	10.03
	10-Sep-03	1,030	21.16	7.77	-89	5.20
	11-Dec-03	686	13.39	8.30	-65	9.50
	16-Feb-04	1,550	11.41	8.50	125	8.20

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Surface Water Stations						
R-27	15-Mar-04	1,070	17.30	7.76	159	9.71
	14-Apr-04	699	19.60	8.14	139	10.20
	12-May-04	1,100	19.95	7.93	---	12.36
	10-Jun-04	752	19.10	8.61	---	9.08
	15-Jul-04	1,090	23.30	8.25	119	10.32
	10-Aug-04	955	23.15	7.90	127	11.78
	22-Sep-04	1,210	22.30	8.79	-117	10.31
	19-Oct-04	922	19.56	7.66	248	9.63
	15-Nov-04	1,040	16.99	7.90	180	12.93
	13-Dec-04	1,150	15.19	8.00	117	11.50
R-28	10-Jun-03	980	20.16	9.86	-49	10.66
	10-Sep-03	1,130	21.71	8.06	-130	7.20
	11-Dec-03	936	13.48	8.38	-119	9.50
	16-Feb-04	1,070	11.36	8.57	111	8.40
	15-Mar-04	1,100	16.22	7.80	130	9.95
	14-Apr-04	680	18.10	8.12	133	10.70
	12-May-04	1,110	18.90	8.04	---	11.97
	10-Jun-04	762	18.60	8.53	---	9.27
	15-Jul-04	1,090	22.40	8.22	124	10.08
	10-Aug-04	919	23.06	7.96	146	11.94
	22-Sep-04	925	23.25	8.46	-128	9.19
	19-Oct-04	908	19.38	7.80	234	9.41
	15-Nov-04	1,190	17.18	8.24	158	12.17
	13-Dec-04	1,160	15.75	7.86	108	11.32
RRB	11-Jun-03	1,040	22.05	8.96	-64	10.62
	08-Sep-03	964	25.52	7.80	143	11.10
	08-Dec-03	1,350	14.26	6.12	163	9.00
	16-Feb-04	1,090	13.28	8.48	164	10.20
	15-Mar-04	1,080	20.30	7.50	174	11.09
	13-Apr-04	831	24.90	8.14	118	12.40
	13-May-04	1,030	20.47	8.12	---	8.71
	15-Jul-04	1,090	25.70	8.21	99	9.88
	10-Aug-04	945	25.77	8.30	186	12.52
	23-Sep-04	1,160	19.28	7.92	196	9.47
	19-Oct-04	1,330	17.21	8.15	228	9.45
	15-Nov-04	1,400	14.70	8.54	8	5.61
	13-Dec-04	1,200	16.44	7.68	-48	10.88

Table 7
Field Water Quality Measurements
June 2003 through December 2004
PG&E Topock Groundwater Monitoring Program

NOTES:
1. µS/cm = microSiemens per centimeter
2. ORP = oxidation reduction potential, results rounded off to whole point.
3. mV = millivolts
4. mg/L = milligrams per liter
5. All field measurements were collected during groundwater / surface water sampling using a Horiba U-22 water quality meter and/or Orion pH/ORP meter.
6. (---) = data not collected, not available, or rejected.

Figures

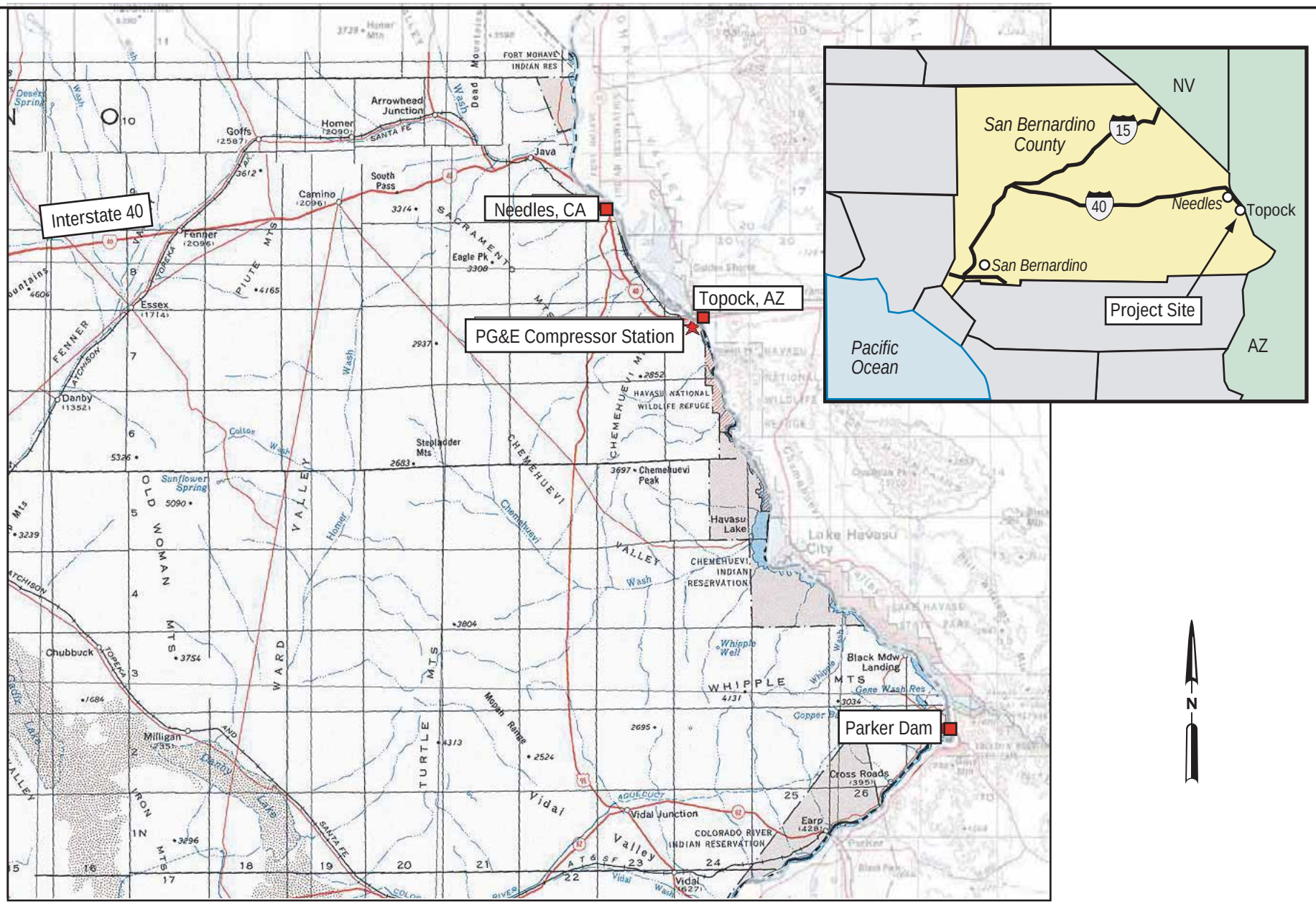
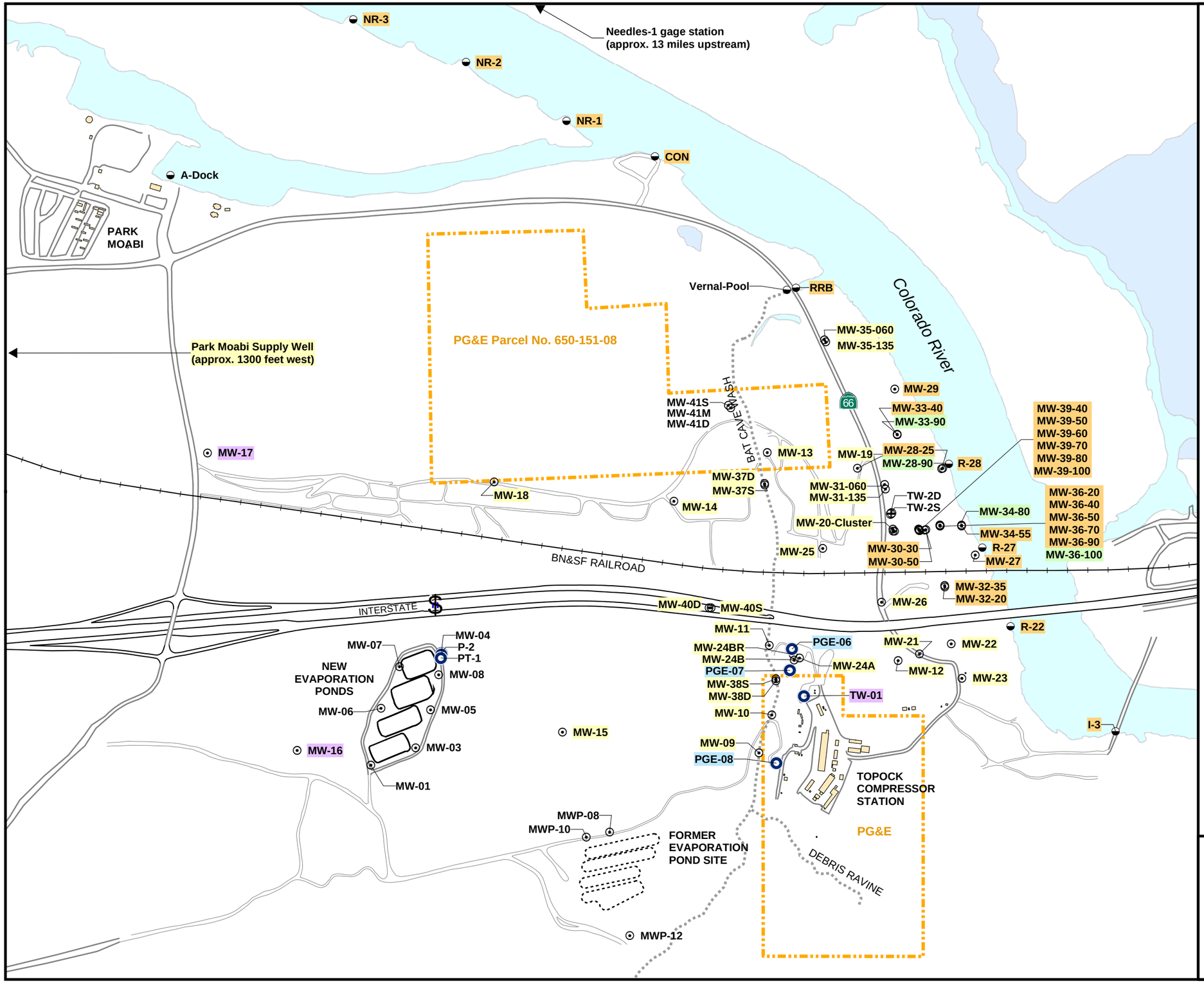


FIGURE 1
SITE LOCATION MAP
PG&E TOPOCK COMPRESSOR STATION,
NEEDLES, CALIFORNIA

CH2MHILL

315994.PS.07.IW_Figure 1 SiteLocMap-Final_12/29/04_ccc



Legend

- Groundwater Monitoring Well
- Test Well or Supply Well (Inactive)
- Surface Water Monitoring Location
- Extraction Well
- PG&E Property Boundary

Sampling Frequency for Groundwater and Surface Water Monitoring Program (GMP) - December 2004

MW-18	Quarterly Sampling
MW-29	Monthly Sampling
MW-34-80	Bi-Weekly Sampling
TW-01	Annual Sampling
PGE-06	Every 2 Years Sampling

N

0 800 1,600 Feet

1 inch equals 800.7 feet

California State Plane NAD83 Zone 5 US Feet

Figure 2
Monitoring Locations and Sampling Frequency for GMP December 2004

GROUNDWATER MONITORING PROGRAM
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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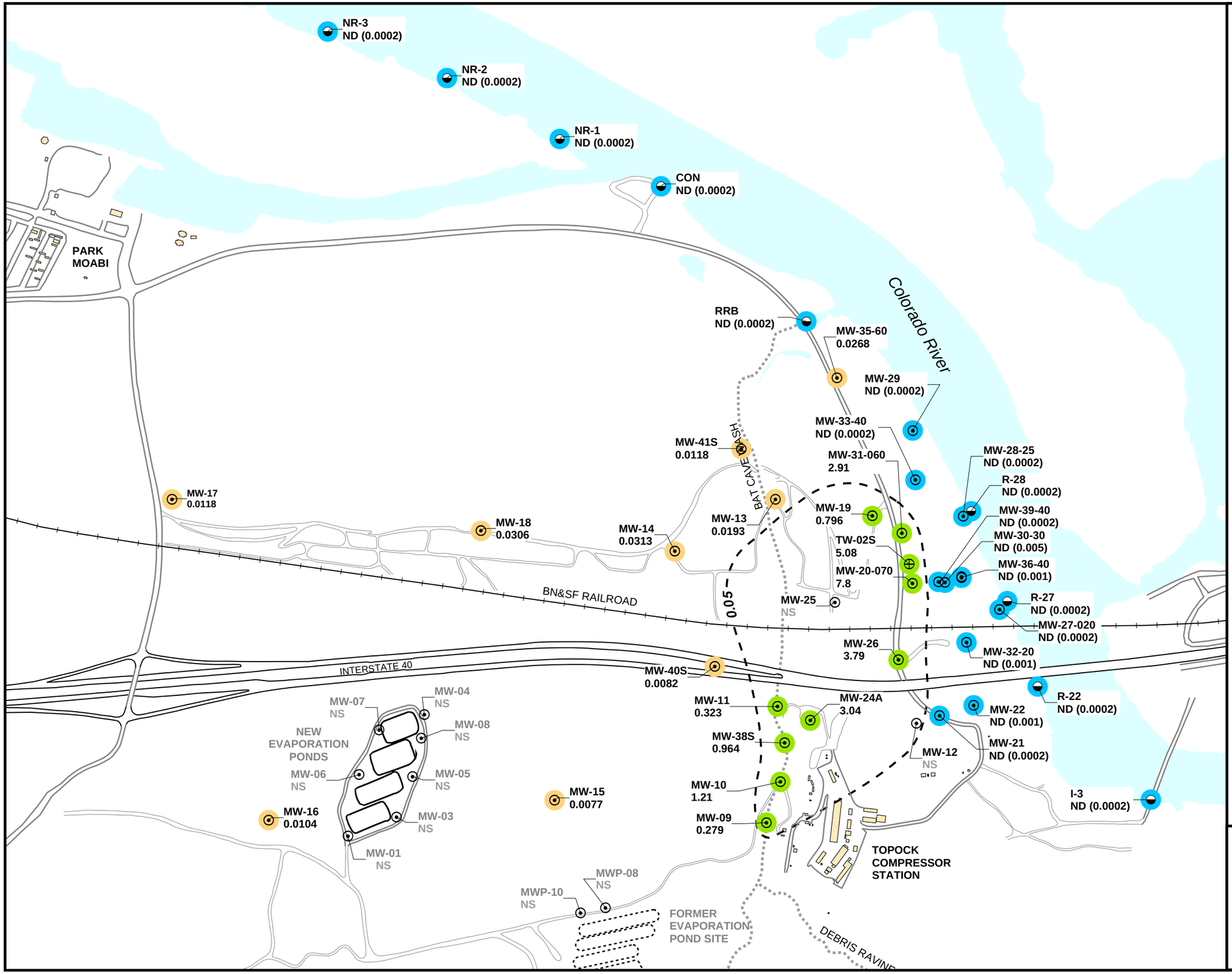

Legend

- Groundwater Monitoring Well
- Groundwater Test or Supply Well
- Surface Water Monitoring Location
- Extraction Well

1.47 Concentration of hexavalent chromium [Cr(VI)] in milligrams per liter (mg/L)

Results shown are maximum concentrations detected in primary and duplicate samples from wells completed in **Upper** zone of Alluvial Aquifer, December 2004 monitoring event. See Table 2 for complete results

ND (0.0002) Cr(VI) not detected, at listed reporting limit

NS Not sampled

Cr(VI) Concentrations in Water Samples

- Not detected at analytical reporting limit
- Concentration between reporting limit and 0.05 mg/L
- Concentration greater than 0.05 mg/L
- Approximate outline of Cr(VI) in groundwater >= 0.05 mg/L (California drinking water standard for Total Chromium)

N

0 750 1,500 Feet

1 inch equals 750 feet

Figure 3a
Hexavalent Chromium Sampling Results
Upper Zone of Alluvial Aquifer
Fourth Quarter 2004 Monitoring Event

GROUNDWATER MONITORING PROGRAM
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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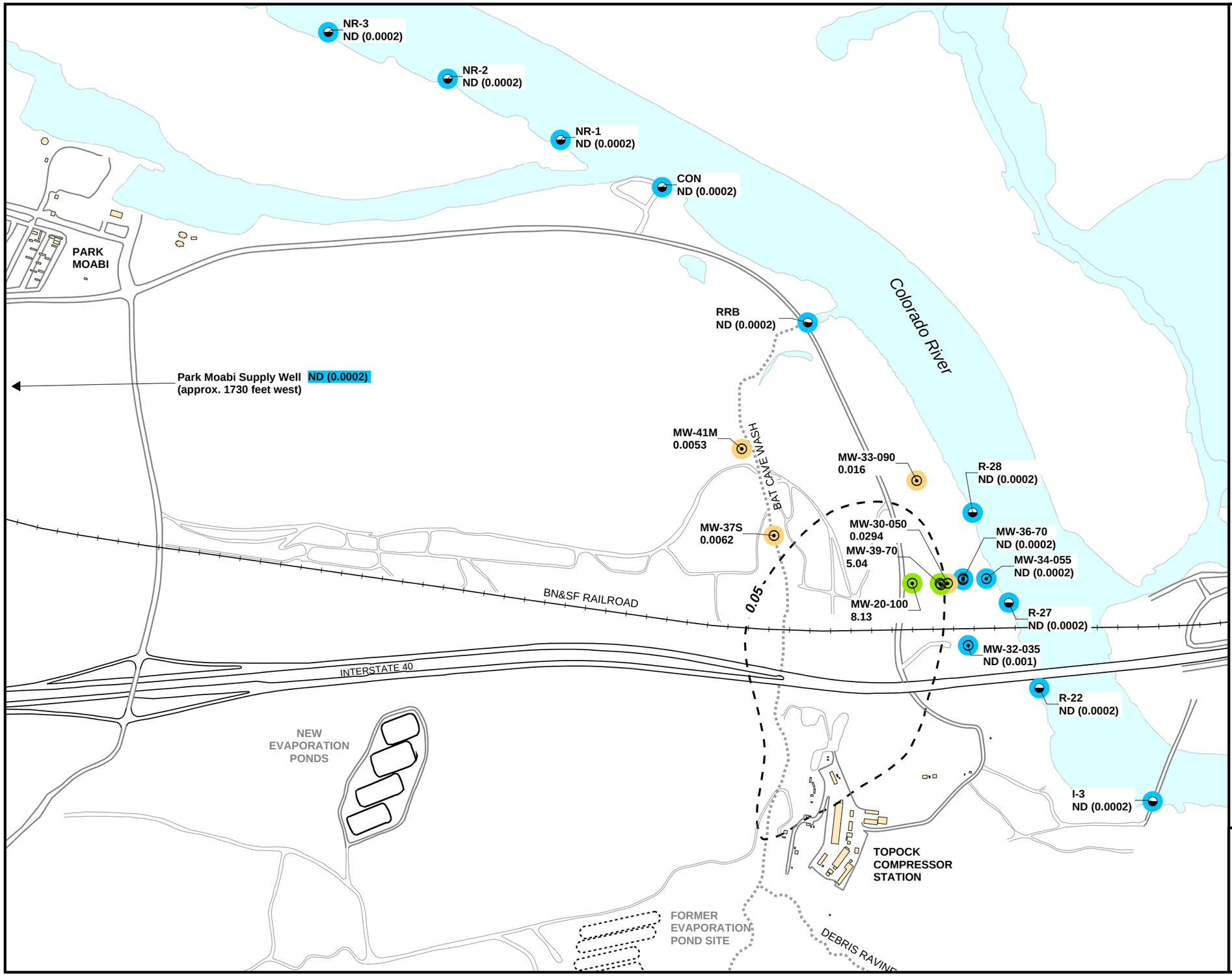

Legend

- Groundwater Monitoring Well
- Groundwater Test or Supply Well
- Surface Water Monitoring Location
- Extraction Well

8.13 Concentration of hexavalent chromium [Cr(VI)] in milligrams per liter (mg/L)

Results shown are maximum concentrations detected in primary and duplicate samples from wells completed in **Middle** zone of Alluvial Aquifer, December 2004 monitoring event. See Table 2 for complete results.

ND (0.0002) Cr(VI) not detected, at listed reporting limit

NS Not sampled

Cr(VI) Concentrations in Water Samples

- Not detected at analytical reporting limit
- Concentration between reporting limit and 0.05 mg/L
- Concentration greater than 0.05 mg/L
- - - 0.05 Approximate outline of Cr(VI) in groundwater >= 0.05 mg/L (California drinking water standard for Total Chromium)

N

0 750 1,500 Feet

1 inch equals 750 feet

Figure 3b
Hexavalent Chromium Sampling Results
Middle Zone of Alluvial Aquifer
Fourth Quarter 2004 Monitoring Event

GROUNDWATER MONITORING PROGRAM
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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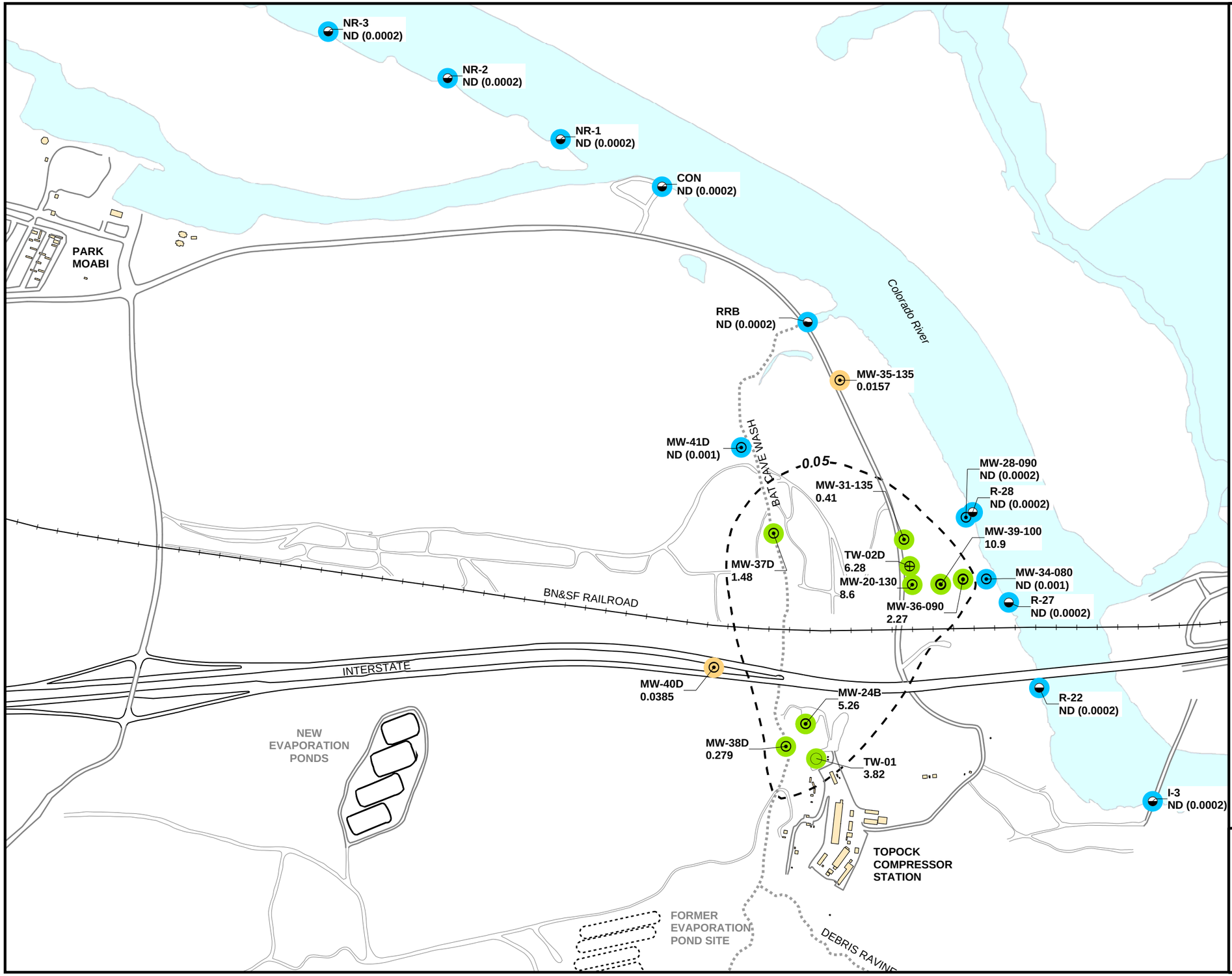

Legend

- Groundwater Monitoring Well
- Groundwater Test or Supply Well
- Surface Water Monitoring Location
- Extraction Well

6.28 Concentration of hexavalent chromium [Cr(VI)] in milligrams per liter (mg/L)

Results shown are maximum concentrations detected in primary and duplicate samples from wells completed in **Lower** zone of Alluvial Aquifer, December 2004 monitoring event. See Table 2 for complete results.

ND (0.0002) Cr(VI) not detected, at listed reporting limit

NS Not sampled

Cr(VI) Concentrations in Water Samples

- Not detected at analytical reporting limit
- Concentration between reporting limit and 0.05 mg/L
- Concentration greater than 0.05 mg/L
- 0.05 Approximate outline of Cr(VI) in groundwater >= 0.05 mg/L (California drinking water standard for Total Chromium)

N

0 750 1,500 Feet

1 inch equals 750 feet

Figure 3c
Hexavalent Chromium Sampling Results
Lower Zone of Alluvial Aquifer
Fourth Quarter 2004 Monitoring Event

GROUNDWATER MONITORING PROGRAM
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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