



Pacific Gas and  
Electric Company®

December 28, 2004

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Subject: Groundwater and Surface Water Monitoring Report  
Third Quarter 2004  
PG&E Topock Compressor Station, Needles, California

Dear Mr. Shopay:

Enclosed is the Third Quarter 2004 groundwater and surface water monitoring report for the Topock project. The monitoring event was conducted by PG&E September 20 through 24, 2004, and included monitoring and sampling of 55 groundwater wells and 9 surface water locations along the Colorado River. If you have any questions on the groundwater and surface water monitoring report, please call me at (805) 546-5243.

Sincerely,

*Paul Bentler*  
for Yvonne Meeks

cc: CWG Members

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# **Groundwater and Surface Water Monitoring Report, Third Quarter 2004**

**PG&E Topock Compressor Station  
Needles, California**

Prepared for  
**Pacific Gas and Electric Company**

December 28, 2004

**CH2MHILL**

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**This report was prepared under supervision of a  
California Certified Engineering Geologist,**



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**Paul Bertucci, C.E.G. No. 1977  
Project Hydrogeologist**



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# Acronyms and Abbreviations

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CACA	Corrective Action Consent Agreement
COC	constituent of concern
Cr(T)	total chromium
Cr(VI)	hexavalent chromium
DTSC	California Department of Toxic Substances Control
GMP	Groundwater and Surface Water Monitoring Program
IM	Interim Measures
mg/L	milligrams per liter
<sup>18</sup> O	oxygen 18
PG&E	Pacific Gas and Electric Company
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SAP	Sampling and Analysis Plan
TDS	total dissolved solids

# 1.0 Background

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This report presents the results of the third quarter 2004 groundwater and surface water quarterly monitoring event conducted at Pacific Gas and Electric Company's (PG&E) Topock Compressor Station during September 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 (EPA ID No. CAT080011729). The Topock Compressor Station is located in eastern San Bernardino County, 15 miles southeast of the city of Needles, California (Figure 1).

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 July 2004 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 bi-weekly.
- 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), and specific

conductance, pH, and the California 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 Third Quarter 2004 Monitoring Activities

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

### 2.1 Summary of Monitoring and Sampling

The third quarter 2004 monitoring event was conducted from September 20 through September 24, 2004 and included the following activities:

- Fifty-five 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.
- Nine wells (MW-10, MW-11, MW-12, MW-20-70, MW-20-130, MW-25, MW-34-55, MW-34-80, MW-37D) were sampled for the full list of metals, per California Code of Regulations Title 22.
- Fourteen wells (MW-20-70, MW-20-100, MW-20-130, MW-25, MW-26, MW-27, MW-28, 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 ( $^{18}\text{O}$ ), 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 all of the GMP locations sampled.
- Duplicate samples were collected at eight monitoring wells (MW-13, MW-14, MW-30-50, MW-34-80, MW-35-135, MW-36-90, MW-37D, MW-40D) to assess field sampling and analytical procedures.

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 (July and August), five weekly well sampling events, and two bi-weekly sampling events were also conducted. The results of the monthly, weekly, and bi-weekly monitoring events performed during the third 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 8) include the results from the monthly, weekly, and bi-weekly sampling programs; however, only the data from the September 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 all 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 EPA 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, nine selected monitoring wells were sampled for the California 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. In accordance with DTSC direction (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 Zymax Laboratory, a California-certified analytical laboratory in San Luis Obispo, California and Truesdail Laboratories, Inc., Tustin, California.

### 2.1.3 IM Performance Monitoring Parameters

During the June and September 2004 quarterly events, fourteen wells and two 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. Water samples were analyzed for the following parameters:

- TDS (EPA Method 160.1)
- Chloride, sulfate, nitrate (EPA Method 300.0)
- Dissolved calcium, magnesium, potassium, sodium, bromide, boron (SW 6010B)
- Alkalinity (EPA Method 310.1)
- stable isotopes <sup>18</sup>O and deuterium (CF-IRMS methods).

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

# **3.0 September 2004 Quarterly Monitoring Results**

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

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 September 2004 quarterly monitoring of the event and historical data from September 2002 through third quarter 2004. The maximum Cr(T) and Cr(VI) concentrations detected in the GMP wells during the quarterly event were 11.4 mg/L and 11.6 mg/L, respectively, in samples from well MW-39-100. Overall, the September 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 September 2004 surface water sampling and historical data from September 2002 through third 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 September 2004 quarterly event.

### **3.1.3 Presentation of Hexavalent Chromium Results**

Figure 3 presents the Cr(VI) results distribution from the September 2004 quarterly monitoring event of the GMP monitoring wells and surface water locations. Figure 3 also shows 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 September 2004 quarterly sampling results. 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, 2004d).

## 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 September and prior March and May/June 2004 monitoring events. The stable isotopes  $^{18}\text{O}$  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 seven-month sampling period. However, the concentrations of TDS, chloride, sulfate, general minerals, boron, and alkalinity measured in well MW-32-20 in September 2004 have increased significantly from concentrations measured in March and May 2004 (Table 4). Potential trends of changing concentration for some of the indicator parameters are also apparent in the MW-20 wells and MW-30-30. 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 third quarter 2004 monitoring event. In addition to total chromium, the dissolved trace metals detected in the September 2004 groundwater sampling include antimony, arsenic, barium, copper, molybdenum, selenium, vanadium, and zinc. Antimony and arsenic were only detected in the sample from well MW-12 at concentrations of 0.0209 mg/L and 0.0686 mg/L, respectively. The current drinking water standards for antimony and arsenic are 0.006 mg/L and 0.05 mg/L, respectively. The concentrations of the other detected metals, excluding chromium, are below drinking water standards.

## 3.3 Analytical Data Quality Review

The laboratory analytical data generated from the third quarter 2004 monitoring event were independently reviewed by project chemists to assess data quality and identify deviations from analytical requirements. Detailed discussion of data quality for GMP sampling data are presented in the data validation reports, which are kept in the project file and are available upon request. The results of the September 2004 data quality review are summarized below.

No significant analytical deficiencies were identified in the September 2004 monitoring data, and none of the results from this event was qualified as unusable. With minor exceptions (noted below), the analyses and data quality meet the laboratory method quality control acceptance criteria. Overall, the analytical data for the September 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. Fifteen results from these wells reflect adjusted reporting limits (Table 3) as a result of serial dilutions required to overcome matrix interference and provide acceptable matrix spike recoveries.

**Holding Time Data Qualification:** Holding time exceedances result in the possible loss of target analytes due to degradation or chemical reactions that usually cause a negative bias to sample results. All method holding time requirements were met with the exception of the TDS results for samples MW-28-25 and MW-32-20 analyzed by EPA Method 160.1 analyzed one day outside of hold-time. The associated detected results were qualified as estimated and "J" flagged.

### 3.3 Water Level Measurements

Table 6 lists the water level measurements and groundwater and surface water elevations collected during the September 2004 quarterly event. Water level measurements from prior monitoring events since September 2002 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 on a monthly basis and are presented in the IM performance monitoring reports (CH2M HILL 2004e).

### 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 September 2004 quarterly event and prior monitoring events.

# **4.0 Status of Monitoring Activities**

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The section summarizes the scope and status of ongoing monitoring activities scheduled for the Topock GMP. Monitoring activities will be conducted in accordance with the July 2004 SAP (CH2M HILL 2004a) and pending comments and direction on the GMP provided by DTSC.

## **4.1 Quarterly Monitoring – 2004 Annual Event**

The fourth quarter 2004 monitoring event was conducted December 13 through 17, 2004. This annual 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), and additional sampling recommendations from DTSC. The groundwater and surface water monitoring report for the December 2004 GMP event will be submitted approximately ten weeks after sampling.

## **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).

During fourth quarter 2004, monthly sampling events per the July 2004 SAP were conducted in October and November 2004. The current monthly events include the sampling of twenty-four wells and nine surface water locations for Cr(VI) and Cr(T) (Figure 2).

## **4.3 Bi-Weekly Well Sampling**

Beginning January 29, 2004, at the DTSC's request, PG&E has 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 have been reported to DTSC and project stakeholders in periodic data transmittals and are presented in Table 2 and Table 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 bi-weekly 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 bi-weekly sampling. The four floodplain wells included in bi-weekly sampling are MW-28-90, MW-33-90, MW-34-80, and MW-36-100 (Figure 2). Four bi-weekly sampling events are scheduled during fourth quarter 2004.

## 5.0 References

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- California Department of Toxic Substances Control (DTSC). 2004a. Letter to PG&E. *"Notification of Required Weekly Sampling and Analysis of Monitoring Well MW-33-90 and Submission of a Revised Water Quality Sampling and Analysis Plan, Pacific Gas & Electric Company, Topock Compressor Station, Needles, California."* May 3.
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- \_\_\_\_\_. 2004e. *Performance Monitoring Report No. 11, Interim Measure No. 2, PG&E Topock Compressor Station, Needles, California.* November 15.
- Ecology and Environment, Inc., 2004. *Draft RCRA Facility Investigation (RFI) Report, Bat Cave Wash Area, Pacific Gas and Electric Company's Topock Compressor Station, Needles, California.* February.

## **Tables**

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

Updated November 2004

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
<b>MW-09</b>	Bat Cave Wash	536.56	77 - 87	4" PVC	89	81	CD pump	3	11	
<b>MW-10</b>	Bat Cave Wash	530.65	74-94	4" PVC	95	74	CD pump	5	40	
<b>MW-11</b>	Bat Cave Wash	522.61	63-83	4" PVC	84	67	CD pump	5	30	
<b>MW-12</b>	east of Station	484.01	28-48	4" PVC	49	29	CD pump	10	40	
<b>MW-13</b>	Bat Cave Wash	488.64	29-49	4" PVC	50	32	CD pump	4	30	
<b>MW-14</b>		570.99	111-131	4" PVC	132	116	CD pump	4	30	
<b>MW-15</b>		641.52	181-201	4" PVC	202	185	CD pump	5	30	
<b>MW-16</b>	near New Ponds	657.31	198-218	4" PVC	218	202	CD pump	7	35	
<b>MW-17</b>		589.96	130-150	4" PVC	151	134	CD pump	5	32	
<b>MW-18</b>		545.32	85-105	4" PVC	105	90	CD pump	5	30	
<b>MW-19</b>		499.92	46-66	4" PVC	66	44	CD pump	7	41	
<b>MW-20-70</b>	MW-20 bench	500.15	50-70	4" PVC	70	45	CD pump	10	53	
<b>MW-20-100</b>	MW-20 bench	500.58	90-100	4" PVC	100	47	CD pump	10	110	
<b>MW-20-130</b>	MW-20 bench	500.66	121-131	4" PVC	131	52	CD pump	10	180	
<b>MW-21</b>	east of Station	505.55	49-59	4" PVC	60	50	CD pump	10	10	low recharge well; purges dry at 1 casing volume
<b>MW-22</b>	floodplain	460.72	6-11	2" PVC	11	6	Peristaltic	0.2	4	
<b>MW-23</b>	east of Station	507.33	60-80	4" PVC	80	53	CD Pump	5	20	low recharge well; purges dry at 1 casing volume
<b>MW-24A</b>	MW-24 bench	567.16	104-124	4" PVC	125	112	CD pump	3	30	
<b>MW-24B</b>	MW-24 bench	564.76	194-214	4" PVC	214	110	CD pump	7	210	
<b>MW-24BR</b>	MW-24 bench	563.95	378-438	4" PVC	438	109	CD pump	8	185	low recharge well; purges dry at 1 casing volume
<b>MW-25</b>		542.90	85-105	4" PVC	105	87	CD pump	5	32	
<b>MW-26</b>		502.22	52-72	4" PVC	71	46	CD pump	7	50	
<b>MW-27</b>	floodplain	460.56	7-17	2" PVC	17	4	Ded. Redi-Flo AR	1	7	
<b>MW-28-25</b>	floodplain	466.85	13-23	2" PVC	23	10	Ded. Redi-Flo AR	1	5	
<b>MW-28-90</b>	floodplain	467.66	70-90	2" PVC	95	12	Ded. Redi-Flo AR	2	50	
<b>MW-29</b>	floodplain	485.21	30-40	2" PVC	40	29	Ded. Mini-Monsoon	0.5	6	
<b>MW-30-30</b>	floodplain	468.12	12-32	2" PVC	32	12	Ded. Redi-Flo AR	1.5	10	
<b>MW-30-50</b>	floodplain	468.81	41-51	4" PVC	51	13	Ded. Redi-Flo AR	2	75	
<b>MW-31-060</b>	MW-20 bench	496.81	42-62	4" PVC	62	41	CD pump	7	40	
<b>MW-31-135</b>	MW-20 bench	498.11	113-133	2" PVC	133	42	Redi-Flo AR	3	60	
<b>MW-32-20</b>	floodplain	461.51	10-20	2" PVC	20	6	Ded. Redi-Flo AR	1.5	6	
<b>MW-32-35</b>	floodplain	461.63	28-35	4" PVC	35	5	Ded. Redi-Flo AR	2	60	
<b>MW-33-40</b>	floodplain	487.41	30-40	4" PVC	40	31	Ded. Mini-Monsoon	0.5	4	

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

Updated November 2004

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
<b>MW-33-90</b>	floodplain	487.57	77-87	4" PVC	87	31	Ded. Redi-Flo AR	2	110	
<b>MW-34-55</b>	floodplain	460.88	45-55	4" PVC	55	5	Ded. Redi-Flo AR	2	100	
<b>MW-34-80</b>	floodplain	460.99	73-83	4" PVC	83	5	Ded. Redi-Flo AR	3	150	
<b>MW-35-060</b>	north area	483.51	37-57	2" PVC	57	28	Redi-Flo AR	2	18	
<b>MW-35-135</b>	north area	483.57	117-137	2" PVC	157	28	Redi-Flo AR	3	66	
<b>MW-36-20</b>	floodplain	469.32	10-20	1" PVC	20	13	Peristaltic	0.5	4	
<b>MW-36-40</b>	floodplain	469.64	30-40	1" PVC	40	14	Peristaltic	0.5	4	
<b>MW-36-50</b>	floodplain	469.65	46-51	1" PVC	51	14	Peristaltic	0.8	5	
<b>MW-36-70</b>	floodplain	469.31	60-70	1" PVC	70	13	Peristaltic	0.5	7	
<b>MW-36-90</b>	floodplain	469.68	80-90	1" PVC	90	14	Peristaltic	0.4	10	
<b>MW-36-100</b>	floodplain	469.69	88-98	2" PVC	108	13	Ded. Redi-Flo AR	2	45	
<b>MW-37S</b>	Bat Cave Wash	485.97	64-84	2" PVC	84	30	Redi-Flo AR	2	30	
<b>MW-37D</b>	Bat Cave Wash	486.19	180-200	2" PVC	225	30	Redi-Flo AR	3	100	
<b>MW-38S</b>	Bat Cave Wash	525.51	75-95	2" PVC	95	90	Redi-Flo AR	1	13	
<b>MW-38D</b>	Bat Cave Wash	525.31	153-173	2" PVC	188	68	Redi-Flo AR	3	60	
<b>MW-39-40</b>	floodplain	468.02	30-40	1" PVC	40	12	Peristaltic	0.5	3.5	
<b>MW-39-50</b>	floodplain	467.93	47-52	1" PVC	52	12	Peristaltic	0.5	5	
<b>MW-39-60</b>	floodplain	468.00	49-59	1" PVC	64	12	Peristaltic	0.5	6	
<b>MW-39-70</b>	floodplain	468.02	60-70	1" PVC	70	12	Peristaltic	0.5	7	
<b>MW-39-80</b>	floodplain	467.92	70-80	1" PVC	80	12	Peristaltic	0.5	9	
<b>MW-39-100</b>	floodplain	468.01	80-100	2" PVC	115	12	Ded. Redi-Flo AR	2	45	
<b>MW-40S</b>	I-40 median	566.04	115-135	2" PVC	135	110	Redi-Flo AR	2	13	
<b>MW-40D</b>	I-40 median	566.08	240-260	2" PVC	265	110	Redi-Flo AR	1-2	75	
<b>Test and Water Supply Wells</b>										
<b>PGE-6</b>	MW-24 bench	563.32	110-180	14" steel	180	108	CD pump	24	650	inactive supply
<b>PGE-7</b>	MW-24 bench	563.89	195-330	14" steel & 7"	330	109	CD pump	12	600	inactive supply
<b>PGE-8</b>	Station	596.01	405-554	8" steel	562	114	CD pump	20	1,900	inactive injection
<b>Park Moabi</b>	Park Moabi	518.55	80-200	8" steel	210	61	active supply well	---	---	call Park Ranger to schedule sampling
<b>TW-01</b>	Plan B test	620.55	169-269	5" PVC	269	167	CD pump	20	200	inactive pilot test well

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

Updated November 2004

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
<b>Other Site Wells not in GMP</b>										
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
<b>NOTES:</b>										
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**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-09	17-Sep-02	0.36	0.401	---	---
	10-Dec-02	0.402	0.428	---	---
	18-Mar-03	0.368	0.357	---	---
	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
MW-10	17-Sep-02	2.07	2.33	---	---
	10-Dec-02	1.93	2.15	---	---
	10-Dec-02 FD	1.97	1.79	---	---
	18-Mar-03	1.64	1.47	---	---
	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
MW-11	17-Sep-02	0.408	0.483	---	---
	17-Sep-02 FD	0.409	0.467	---	---
	10-Dec-02	0.584	0.696	---	---
	18-Mar-03	0.463	0.452	---	---
	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
MW-12	18-Sep-02	1.16	1.31	---	---
	11-Dec-02	1.25	1.61	---	---
	20-Mar-03	1.28	1.1	---	---
	20-Mar-03 FD	1.26	1.19	---	---
	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
MW-13	20-Sep-04	1.39	1.49	2,280	8.24
	17-Sep-02	0.0183	0.0345	---	---
	10-Dec-02	0.0229	0.029	---	---
	21-Mar-03	0.0231	0.023	---	---
	12-Jun-03	0.0159	0.18	2,410	7.88

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-13	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
MW-14	18-Sep-02	0.031	0.0326	---	---
	10-Dec-02	0.049	0.0484	---	---
	21-Mar-03	0.0473	0.0365	---	---
	21-Mar-03 FD	0.0484	0.0367	---	---
	12-Jun-03	0.0306	0.0309	1,720	7.98
	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
MW-15	10-Dec-02	0.0229	0.0194	---	---
	18-Mar-03	0.0294	0.0209	---	---
	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
MW-16	10-Dec-02	0.0198	0.0234	---	---
	18-Mar-03	0.0188	0.0248	---	---
	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
MW-17	18-Sep-02	ND (0.01)	0.0051	---	---
	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
MW-18	18-Sep-02	0.029	0.0355	---	---
	18-Sep-02 FD	0.0323	0.0326	---	---
	10-Dec-02	0.0354	0.0418	---	---

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-18	18-Mar-03	0.0336	0.0432	---	---
	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
MW-19	10-Dec-02	0.761	0.75	---	---
	21-Mar-03	0.748	0.631	---	---
	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
MW-20-070	17-Sep-02	8.24	9.79	---	---
	11-Dec-02	8.76	13.8	---	---
	20-Mar-03	11.6	10.2	---	---
	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
	03-Mar-04	11.2	10.8	---	---
	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
	17-Sep-02	2.82	3.32	---	---
MW-20-100	17-Sep-02 FD	2.58	3.22	---	---
	11-Dec-02	3.08	3.87	---	---
	20-Mar-03	2.91	2.64	---	---
	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
	03-Mar-04	2.89	2.4	---	---
	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
	17-Sep-02	6.62	7.09	---	---
MW-20-130	11-Dec-02	6.1	9.89	---	---
	20-Mar-03	6.3	5.16	---	---
	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
	03-Mar-04	6.05	5.26	---	---

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-20-130	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
MW-21	18-Sep-02	ND (0.01)	0.0019	---	---
	11-Dec-02	ND (0.01)	0.0074	---	---
	21-Mar-03	ND (0.01)	0.0106	---	---
	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)	---	---
	26-Feb-04	ND (0.001) J	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
MW-22	19-Sep-02	ND (0.01)	0.0139	---	---
	12-Dec-02	ND (0.01)	0.0035	---	---
	19-Mar-03	ND (0.01)	0.0169	---	---
	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
	18-Sep-02	ND (0.01)	0.0072	---	---
MW-23	11-Dec-02	ND (0.01)	0.0095	---	---
	21-Mar-03	ND (0.01)	0.0119	---	---
	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
	08-Jun-04	0.0101	0.0105	16,960	7.31
	21-Sep-04	0.0068	0.0079	18,000	7.39
	17-Sep-02	3.29	3.49	---	---
MW-24A	11-Dec-02	3.4	4.1	---	---
	11-Dec-02 FD	3.43	4.16	---	---
	18-Mar-03	2.77	2.61	---	---
	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

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-24A	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
MW-24B	10-Dec-02	4.62	5.38	---	---
	18-Mar-03	4.9	4.65	---	---
	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
MW-24BR	18-Sep-02	ND (0.01)	0.0035	---	---
	12-Dec-02	ND (0.01)	0.0034	---	---
	19-Mar-03	ND (0.01)	0.016	---	---
	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
MW-25	17-Sep-02	2.56	2.79	---	---
	10-Dec-02	2.43	3.22	---	---
	21-Mar-03	2.53	2.13	---	---
	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
	03-Mar-04	2.27	2.02	---	---
	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	18-Sep-02	3.72	3.11	---	---
	11-Dec-02	3.86	5.02	---	---
	20-Mar-03	3.28	2.75	---	---
	20-Mar-03 FD	3.28	2.79	---	---
	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
	03-Mar-04	3.72	3.15	---	---
	16-Mar-04	3.97	3.58	3,540	7.62

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-26	14-May-04	4.06	4.24	---	---
	08-Jun-04	3.89	3.65	3,640	7.52
	08-Jun-04 FD	4	3.61	3,580	7.61
	22-Sep-04	3.67	3.71	3,650	7.56
MW-27	19-Sep-02	ND (0.01)	ND (0.0011)	---	---
	12-Dec-02	ND (0.01)	0.0056	---	---
	19-Mar-03	ND (0.01)	0.0115	---	---
	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)	---	---
	29-Jan-04	ND (0.0002)	0.0015	---	---
	05-Feb-04	ND (0.0002)	ND (0.001)	---	---
	12-Feb-04	ND (0.0002)	ND (0.001)	---	---
	19-Feb-04	ND (0.0002)	ND (0.001)	---	---
	26-Feb-04	ND (0.0002)	ND (0.001)	---	---
	03-Mar-04	ND (0.0002)	0.0019	---	---
	10-Mar-04	ND (0.0002)	ND (0.001)	---	---
	17-Mar-04	ND (0.0002)	ND (0.0012)	963	7.64
	24-Mar-04	ND (0.0002)	ND (0.001)	---	---
	31-Mar-04	ND (0.0002)	ND (0.001)	---	---
	07-Apr-04	ND (0.0002)	ND (0.001)	---	---
	13-Apr-04	ND (0.0002)	ND (0.001)	---	---
	21-Apr-04	ND (0.0002)	ND (0.001)	---	---
	28-Apr-04	ND (0.0002)	ND (0.001) J	---	---
	05-May-04	ND (0.0002)	ND (0.001)	---	---
	12-May-04	ND (0.001)	ND (0.001)	---	---
	19-May-04	ND (0.0002)	ND (0.001)	---	---
	26-May-04	ND (0.0002)	ND (0.001)	---	---
	02-Jun-04	ND (0.0002)	ND (0.001)	---	---
	08-Jun-04	ND (0.0002)	ND (0.001)	929	7.61
	17-Jun-04	ND (0.0002)	ND (0.001)	---	---
	23-Jun-04	ND (0.0002)	ND (0.001)	---	---
	30-Jun-04	ND (0.0002)	ND (0.001)	---	---
	07-Jul-04	ND (0.0002)	ND (0.001)	---	---
	13-Jul-04	ND (0.0002)	ND (0.001)	---	---
	21-Jul-04	ND (0.0002)	ND (0.001)	---	---
	27-Jul-04	ND (0.0002)	ND (0.001)	---	---
	04-Aug-04	ND (0.0002)	ND (0.001)	---	---
	11-Aug-04	ND (0.0002)	ND (0.001)	---	---
	19-Aug-04	ND (0.0002)	ND (0.001)	---	---
	21-Sep-04	ND (0.0002)	ND (0.001)	1,110	7.59
MW-28-25	19-Sep-02	ND (0.01)	0.0036	---	---
	12-Dec-02	ND (0.01)	0.0039	---	---

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-28-25	20-Mar-03	ND (0.01)	0.0121	---	---
	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
MW-28-25	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	---	---
	29-Jan-04	ND (0.0002)	0.0016	---	---
	05-Feb-04	ND (0.0002)	ND (0.001)	---	---
	12-Feb-04	ND (0.0002)	ND (0.001)	---	---
	20-Feb-04	ND (0.0002)	ND (0.001)	---	---
	26-Feb-04	ND (0.0002)	ND (0.001)	---	---
	04-Mar-04	ND (0.0002)	ND (0.0021)	---	---
	10-Mar-04	ND (0.0002)	ND (0.0012)	---	---
	17-Mar-04	ND (0.0002)	ND (0.0012)	2,050	7.56
	24-Mar-04	ND (0.0002)	ND (0.001)	---	---
	31-Mar-04	ND (0.0002)	ND (0.001)	---	---
	07-Apr-04	ND (0.0002)	0.0029	---	---
	13-Apr-04	ND (0.00075) J	0.0012	---	---
	21-Apr-04	ND (0.0002)	ND (0.001)	---	---
	28-Apr-04	ND (0.0002)	ND (0.001) J	---	---
	05-May-04	ND (0.0002)	ND (0.001) J	---	---
	11-May-04	ND (0.0002)	ND (0.001)	---	---
	20-May-04	ND (0.0002)	0.0025	---	---
	26-May-04	ND (0.0002)	ND (0.001)	---	---
	02-Jun-04	ND (0.0002)	ND (0.001)	---	---
	07-Jun-04	ND (0.0002)	ND (0.001)	1,340	7.54
	16-Jun-04	ND (0.0002)	ND (0.001)	---	---
	23-Jun-04	ND (0.0002)	ND (0.001)	---	---
	30-Jun-04	ND (0.0002)	ND (0.001)	---	---
	07-Jul-04	ND (0.0002)	ND (0.001)	---	---
	13-Jul-04	ND (0.0002)	ND (0.001)	---	---
	21-Jul-04	ND (0.0002)	ND (0.001)	---	---
	27-Jul-04	ND (0.0002)	ND (0.001)	---	---
	04-Aug-04	ND (0.0002)	ND (0.001)	---	---
	11-Aug-04	ND (0.0002)	ND (0.001)	---	---
	19-Aug-04	ND (0.0002)	ND (0.001)	---	---
	20-Sep-04	ND (0.0002)	ND (0.001)	1,270	7.44
MW-28-90	29-Apr-04	ND (0.001)	0.0024	9,900	---
	10-Jun-04	ND (0.001)	ND (0.001)	---	---
	26-Aug-04	ND (0.001)	0.0021	---	---
	09-Sep-04	ND (0.001)	ND (0.001)	---	---
	20-Sep-04	ND (0.001)	ND (0.001)	10,000	7.65
MW-29	19-Sep-02	ND (0.01)	0.0076	---	---
	11-Dec-02	ND (0.01)	0.0125	---	---

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-29	20-Mar-03	ND (0.01)	0.0193	---	---
	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
	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
MW-30-30	19-Sep-02	ND (0.01)	ND (0.0011)	---	---
	12-Dec-02	ND (0.01)	0.0035	---	---
	20-Mar-03	ND (0.01)	0.0264	---	---
	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	---	---
	29-Jan-04	ND (0.0002) +	ND (0.001)	---	---
	05-Feb-04	ND (0.0002) +	ND (0.001)	---	---
	12-Feb-04	ND (0.0002) R	ND (0.001)	---	---
	19-Feb-04	ND (0.0002) +	ND (0.0018)	---	---
	26-Feb-04	ND (0.001)	ND (0.001)	---	---
	04-Mar-04	ND (0.005)	ND (0.001)	---	---
	11-Mar-04	ND (0.005) J	ND (0.0023)	---	---
	18-Mar-04	ND (0.005)	ND (0.001)	43,200	6.98
	24-Mar-04	ND (0.005)	ND (0.001)	---	---
	31-Mar-04	ND (0.01)	0.0014	---	---
	07-Apr-04	ND (0.005) J	0.0011	---	---
	14-Apr-04	ND (0.0038) J	ND (0.0013)	---	---
	21-Apr-04	ND (0.0075)	0.002	---	---
	28-Apr-04	ND (0.005)	0.0011	---	---
	05-May-04	ND (0.005)	ND (0.001)	---	---
	12-May-04	ND (0.005)	ND (0.001)	---	---
	20-May-04	ND (0.005)	0.0019	---	---
	26-May-04	ND (0.005)	0.0024	---	---
	03-Jun-04	ND (0.005)	0.0014	---	---
	09-Jun-04	ND (0.005)	ND (0.001)	34,500	7.53
	16-Jun-04	ND (0.005)	ND (0.001)	---	---
	24-Jun-04	ND (0.005)	ND (0.001)	---	---
	01-Jul-04	ND (0.005)	ND (0.001)	---	---
	08-Jul-04	ND (0.005)	0.0017	---	---
	14-Jul-04	ND (0.005)	ND (0.001)	---	---
	22-Jul-04	ND (0.005)	ND (0.001)	---	---

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-30-30	28-Jul-04	ND (0.005)	ND (0.001)	---	---
	04-Aug-04	ND (0.005)	ND (0.001)	---	---
	12-Aug-04	ND (0.005)	ND (0.001)	---	---
	19-Aug-04	ND (0.005)	ND (0.001)	---	---
	23-Sep-04	ND (0.005)	ND (0.001)	47,800	7.04
MW-30-50	19-Mar-03	3.4	3.14	---	---
	20-Mar-03	3.76	3.34	---	---
	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	---	---
	29-Jan-04	ND (0.0002) +	0.0028	---	---
	05-Feb-04	ND (0.0002) +	ND (0.001)	---	---
	12-Feb-04	ND (0.0002) R	ND (0.001)	---	---
	19-Feb-04	0.384	0.333	---	---
	26-Feb-04	ND (0.001) J	ND (0.001)	---	---
	05-Mar-04	0.0831	0.0412	---	---
	05-Mar-04 FD	0.104	0.0606	---	---
	11-Mar-04	0.984	0.744	---	---
	18-Mar-04	1.65	1.41	9,990	7.32
	18-Mar-04 FD	1.52	1.3	9,970	7.32
	25-Mar-04	2.31	2.24	---	---
	01-Apr-04	2.08	1.82	---	---
	08-Apr-04	1.74	1.7	---	---
	08-Apr-04 FD	1.75	1.68	---	---
	15-Apr-04	1.98	2.13	---	---
	15-Apr-04 FD	1.92	2.05	---	---
	22-Apr-04	1.95 J	1.87	---	---
	29-Apr-04	1.81	1.93	---	---
	06-May-04	1.97	2.08	---	---
	14-May-04	2.01	1.73	---	---
	14-May-04 FD	1.87	1.65	---	---
	20-May-04	1.72	1.86	---	---
	27-May-04	1.65	1.53	---	---
	03-Jun-04	1.96	2.07	---	---
	09-Jun-04	1.71	1.64	9,880	7.53
	09-Jun-04 FD	1.69	1.64	9,950	7.41
	16-Jun-04	1.55	1.7	---	---
	24-Jun-04	1.44	1.73	---	---
	01-Jul-04	1.59	1.42	---	---
	08-Jul-04	---	1.74	---	---
	15-Jul-04	1.17	1.14	---	---

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-30-50	15-Jul-04	1.19	1.16	---	---
	22-Jul-04	1.29	1.43	---	---
	28-Jul-04	1.15	1.1	---	---
	05-Aug-04	0.883	0.809	---	---
	05-Aug-04	FD	0.893	0.781	---
	12-Aug-04	0.756	0.689	---	---
	12-Aug-04	FD	0.752	0.79	---
	20-Aug-04	0.729	0.97	---	---
	23-Sep-04	0.831	0.739	10,300	7.38
	23-Sep-04	FD	0.774	0.754	7.36
MW-31-060	17-Sep-02	3.64	5.06	---	---
	11-Dec-02	3.88	5.62	---	---
	21-Mar-03	4	3.45	---	---
	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
	03-Mar-04	3.97	3.37	---	---
	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
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
MW-32-20	19-Mar-03	ND (0.01)	0.013	---	---
	20-Mar-03	ND (0.01) J	0.0115	---	---
	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)	---	---
	04-Mar-04	ND (0.001)	ND (0.0019)	---	---
	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
MW-32-35	19-Mar-03	ND (0.01)	0.0135	---	---
	20-Mar-03	ND (0.01)	0.0131	---	---
	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

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-32-35	04-Nov-03	ND (0.0002) +	ND (0.001)	---	---
	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)	---	---
	04-Mar-04	ND (0.001)	ND (0.0015)	---	---
	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
MW-33-40	19-Mar-03	ND (0.01)	0.0155	---	---
	20-Mar-03	ND (0.01)	0.0147	---	---
	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
MW-33-90	19-Mar-03	ND (0.01)	0.0165	---	---
	20-Mar-03	ND (0.01)	0.0154	---	---
	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	---	---
	06-May-04	0.0158 J	0.0123	---	---
	06-May-04 FD	0.0157 J	0.0126	---	---
	13-May-04	0.0161	0.0135	---	---
	13-May-04 FD	0.0152	0.0125	---	---
	20-May-04	0.0145	0.0144	---	---
	20-May-04 FD	0.0146	0.0164	---	---
	26-May-04	0.0142	0.0148	---	---
	26-May-04 FD	0.0134	0.0139	---	---

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-33-90	03-Jun-04	0.015	0.0172	---	---
	03-Jun-04	0.0154	0.0168	---	---
	10-Jun-04	0.0141	0.0167	6,560	8.01
	16-Jun-04	0.014	0.0128	---	---
	24-Jun-04	0.013	0.0132	---	---
	24-Jun-04	0.0128	0.016	---	---
	01-Jul-04	0.0146	0.0161	---	---
	08-Jul-04	0.0142	0.0144	---	---
	08-Jul-04	0.0138	0.0164	---	---
	14-Jul-04	0.0146	0.0126	---	---
	22-Jul-04	0.0137	0.0123	---	---
	28-Jul-04	0.0138	0.0127	---	---
	28-Jul-04	0.014	0.0121	---	---
	05-Aug-04	0.0143	0.0141	---	---
	12-Aug-04	0.0148	0.0128	---	---
	20-Aug-04	0.0146	0.0148	---	---
	20-Aug-04	0.0144	0.0135	---	---
	26-Aug-04	0.0149	0.0123	---	---
	08-Sep-04	0.0135	0.012	---	---
	21-Sep-04	0.014	0.014	9,320	7.78
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)	---	---
	29-Jan-04	ND (0.0002) +	0.0014	---	---
	05-Feb-04	ND (0.0002) +	ND (0.001)	---	---
	12-Feb-04	ND (0.0002) R	ND (0.001)	---	---
	18-Feb-04	ND (0.0002) +	ND (0.001)	---	---
	26-Feb-04	ND (0.001) J	ND (0.001)	---	---
	04-Mar-04	ND (0.001)	ND (0.0017)	---	---
	11-Mar-04	ND (0.001)	ND (0.0013)	---	---
	17-Mar-04	ND (0.001) J	ND (0.001)	10,600	7.38
	24-Mar-04	ND (0.002)	0.0065	---	---
	31-Mar-04	ND (0.001) J	ND (0.001)	---	---
	07-Apr-04	ND (0.001)	ND (0.001)	---	---
	15-Apr-04	ND (0.0015) J	ND (0.001)	---	---
	22-Apr-04	ND (0.0015) J	ND (0.001)	---	---
	29-Apr-04	ND (0.002)	ND (0.001)	---	---
	29-Apr-04	FD ND (0.001)	ND (0.001)	---	---
	06-May-04	ND (0.001)	ND (0.001)	---	---
	13-May-04	ND (0.001)	ND (0.001)	---	---
	19-May-04	ND (0.001)	0.0015	---	---
	27-May-04	ND (0.001)	ND (0.001)	---	---
	02-Jun-04	ND (0.001)	ND (0.001)	---	---

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-34-55	08-Jun-04	ND (0.001)	ND (0.001)	9,460	7.43
	17-Jun-04	ND (0.001)	ND (0.001)	---	---
	23-Jun-04	ND (0.0002)	ND (0.001)	---	---
	30-Jun-04	ND (0.001)	ND (0.001)	---	---
	07-Jul-04	ND (0.001)	ND (0.001)	---	---
	14-Jul-04	ND (0.0002)	ND (0.001)	---	---
	21-Jul-04	ND (0.001)	ND (0.001)	---	---
	27-Jul-04	ND (0.001)	ND (0.001)	---	---
	04-Aug-04	ND (0.001)	ND (0.001)	---	---
	11-Aug-04	ND (0.001)	ND (0.001)	---	---
	19-Aug-04	ND (0.001)	ND (0.001)	---	---
	22-Sep-04	ND (0.0002)	ND (0.001)	8,920	7.47
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	---	---
	29-Jan-04	0.111	0.111	---	---
	29-Jan-04	FD 0.102	0.111	---	---
	05-Feb-04	0.0102	0.0124	---	---
	05-Feb-04	FD 0.0129	0.0152	---	---
	12-Feb-04	ND (0.0002) R	ND (0.001)	---	---
	12-Feb-04	FD ND (0.0002) R	ND (0.001)	---	---
	18-Feb-04	0.0204	0.0165	---	---
	26-Feb-04	0.0662 J	0.0625	---	---
	26-Feb-04	FD 0.092	0.0567	---	---
	05-Mar-04	0.0256	0.0256	---	---
	11-Mar-04	0.005	0.0071	---	---
	11-Mar-04	FD 0.0073	0.0072	---	---
	17-Mar-04	0.0057	0.006	13,900	7.61
	25-Mar-04	0.0034 J	0.0092 J	---	---
	25-Mar-04	FD 0.0037	0.0049 J	---	---
	01-Apr-04	0.0022 J	0.0037	---	---
	08-Apr-04	0.002 J	0.0025	---	---
	16-Apr-04	0.00086	0.0016	---	---
	22-Apr-04	0.00084	0.0013	---	---
	22-Apr-04	FD 0.00087	0.0013	---	---
	29-Apr-04	ND (0.002)	ND (0.001) J	---	---
	06-May-04	ND (0.001)	0.0013	---	---
	13-May-04	ND (0.001)	ND (0.001) J	---	---
	13-May-04	FD ND (0.001)	ND (0.001)	---	---
	20-May-04	ND (0.001)	ND (0.001) J	---	---
	27-May-04	ND (0.001)	0.0012	---	---
	02-Jun-04	ND (0.002)	ND (0.001)	---	---

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-34-80	08-Jun-04	ND (0.001)	ND (0.001)	13,600	7.31
	17-Jun-04	ND (0.001)	ND (0.001)	---	---
	17-Jun-04 FD	ND (0.001)	ND (0.001)	---	---
	23-Jun-04	ND (0.001)	ND (0.001)	---	---
	30-Jun-04	ND (0.001)	ND (0.001)	---	---
	30-Jun-04 FD	ND (0.002)	ND (0.001)	---	---
	07-Jul-04	ND (0.001)	ND (0.001)	---	---
	15-Jul-04	ND (0.001)	ND (0.001)	---	---
	15-Jul-04 FD	ND (0.001)	ND (0.001)	---	---
	21-Jul-04	ND (0.001)	ND (0.001)	---	---
	21-Jul-04 FD	ND (0.001)	ND (0.001)	---	---
	27-Jul-04	ND (0.001)	ND (0.001)	---	---
	05-Aug-04	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)	---	---
	20-Aug-04	ND (0.001)	ND (0.001)	---	---
	26-Aug-04	ND (0.001)	0.0017	---	---
	08-Sep-04	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
MW-35-060	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
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
MW-36-020	18-May-04	0.0026	0.0024	11,200	---
	15-Jun-04	ND (0.001)	ND (0.001)	---	---
	21-Sep-04	ND (0.001)	ND (0.001)	23,800	7.39
MW-36-040	18-May-04	ND (0.001)	0.0015	9,120	---
	16-Jun-04	ND (0.001)	ND (0.001)	---	---
	21-Sep-04	ND (0.001)	ND (0.001)	10,600	7.48
MW-36-050	19-May-04	ND (0.001)	0.0012	8,700	---
	17-Jun-04	ND (0.001)	ND (0.001)	---	---
	21-Sep-04	ND (0.001)	ND (0.001)	9,650	7.54
MW-36-070	19-May-04	ND (0.001)	0.0016	12,200	---
	17-Jun-04	ND (0.001)	0.0012	---	---
	22-Sep-04	ND (0.001)	ND (0.001)	11,300	7.37
MW-36-090	18-May-04	3.66	3.35	14,700	---
	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
MW-36-100	21-May-04	2.98	3.18	14,500	---

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-36-100	15-Jun-04	2.8	2.49	---	---
	26-Aug-04	2.37	2.06	---	---
	26-Aug-04 FD	2.37	2.08	---	---
	09-Sep-04	2.33	2.19	---	---
	09-Sep-04 FD	2.26	2.16	---	---
	23-Sep-04	2.71	2.33	15,200	7.73
MW-37D	19-May-04	0.93	0.96	12,700	---
	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
MW-37S	19-May-04	0.0019	0.0034	3,990	---
	19-May-04 FD	0.0018	0.0028	3,970	---
	10-Jun-04	0.0028	0.0027	---	---
	23-Sep-04	0.0075	0.0068	4,430	7.64
MW-38D	05-May-04	0.0331	0.0296	17,900	---
	10-Jun-04	0.0769	0.0835	---	---
	23-Sep-04	0.27	0.237	19,500	7.94
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
MW-39-040	20-May-04	ND (0.001)	ND (0.001)	5,190	---
	18-Jun-04	ND (0.001)	ND (0.001)	---	---
	24-Sep-04	ND (0.001)	ND (0.001)	5,980	7.81
MW-39-050	20-May-04	4.14	3.88	6,830	---
	18-Jun-04	3.48	3.92	---	---
	24-Sep-04	2.96	2.96	8,190	7.66
MW-39-060	20-May-04	2.07	2.09	6,360	---
	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
MW-39-070	20-May-04	5.88	6.98	8,180	---
	18-Jun-04	8.21	8.49	---	---
	24-Sep-04	5.59	6.36	8,740	7.68
MW-39-080	20-May-04	10.9	12.9	11,200	---
	17-Jun-04	10	10.3	---	---
	24-Sep-04	8.47	7.57	10,800	7.58
MW-39-100	21-May-04	10.3 J	11.9	14,200	---
	21-May-04 FD	12.9 J	13.7	14,100	---
	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
MW-40D	10-May-04	0.0375	0.0386	12,300	---
	14-Jun-04	0.0256	0.0288	---	---

**Table 2**  
**Groundwater COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Well ID	Sample Date	Hexavalent Chromium (mg/L)	Dissolved Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
MW-40D	22-Sep-04	0.0341	0.03	14,700	7.72
	22-Sep-04 FD	0.0315	0.0306	14,500	7.72
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
Park-Moabi	18-Mar-03	ND (0.01)	0.0114	---	---
	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
PGE-06	09-Sep-03	0.304	0.354	4,130	7.98
	09-Dec-03	0.671	0.776	4,220	7.71
PGE-07	10-Dec-03	4.74	6.78	14,300	8.08
PGE-08	09-Dec-03	ND (0.0002)	0.0038	17,100	8.48
TW-01	24-Nov-03	3.94	4.2	5,750	7.97
	16-Dec-03	3.25	4.32	5,770	7.37
TW-2D	09-Jun-04	7.41	6.98	---	---
	29-Jul-04	5.85	5.51	---	---
TW-2S	09-Jun-04	7.19	6.82	---	---
	29-Jul-04	5.82	5.61	---	---

NOTES:

1. milligrams per liter (mg/L)
2. microSiemens per centimeter ( $\mu\text{S}/\text{cm}$ )
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. Per the July 2004 Sampling and Analysis Plan, copper, nickel and zinc were not analyzed for during the September 2004 Quarterly event and, therefore, are not presented.

**Table 3**  
**Surface Water COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sample Date	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
A-DOCK	08-Sep-03	ND (0.0002)	ND (0.001)	---	---
	17-Feb-04	ND (0.0002)	ND (0.001)	---	---
CON	18-Sep-02	ND (0.01)	0.004	---	---
	12-Dec-02	ND (0.01)	0.0073	---	---
	20-Mar-03	ND (0.01)	0.0133	---	---
	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)	---	---
I-3	10-Aug-04	ND (0.0002)	ND (0.001)	---	---
	23-Sep-04	ND (0.0002)	ND (0.001)	1,000	8.22
	18-Sep-02	ND (0.01)	0.0044	---	---
	12-Dec-02	ND (0.01)	0.0057	---	---
	19-Mar-03	ND (0.01)	0.0135	---	---
	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)	---	---
Needles-1	10-Jun-04	ND (0.0002)	ND (0.001)	1,030	8.31
	15-Jul-04	ND (0.0002)	ND (0.001)	---	---
NR-1	10-Aug-04	ND (0.0002)	ND (0.001)	---	---
	23-Sep-04	ND (0.0002)	ND (0.001)	997	8.24
	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)	---	---
	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
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

**Table 3**  
**Surface Water COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sample Date	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
NR-2	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
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
R-22	18-Sep-02	ND (0.01)	0.0034	---	---
	12-Dec-02	ND (0.01)	0.0067	---	---
	19-Mar-03	ND (0.01)	0.0125	---	---
	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
R-27	18-Sep-02	ND (0.01)	0.0038	---	---
	12-Dec-02	ND (0.01)	0.007	---	---
	19-Mar-03	ND (0.01)	0.0103	---	---
	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)	---	---
	03-Mar-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)	---	---
	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
R-28	18-Sep-02	ND (0.01)	0.0187	---	---

**Table 3**  
**Surface Water COC Sampling Results**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sample Date	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	pH
R-28	12-Dec-02	ND (0.01)	0.0072	---	---
	20-Mar-03	ND (0.01)	0.0146	---	---
	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)	---	---
	03-Mar-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
RRB	18-Sep-02	ND (0.01)	0.0179	---	---
	12-Dec-02	ND (0.01)	0.0141	---	---
	20-Mar-03	ND (0.01)	0.013	---	---
	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

NOTES:

1. milligrams per liter (mg/L)
2. microSiemens per centimeter ( $\mu\text{S}/\text{cm}$ )
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
8. Per the July 2004 Sampling and Analyses Plan, copper, nickel and zinc were not analyzed for during the September 2004 Quarterly event and, therefore, are not presented.

**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
<b>Monitoring Wells</b>														
MW-20-070	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
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
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
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
MW-27	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
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

**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
<b>Monitoring Wells</b>														
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
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
MW-31-060	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
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
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
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
	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

**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
<b>Monitoring Wells</b>														
MW-34-80	23-Sep-04 FD	9900	-9.6	-78.0	4170	998	ND (10)	ND (10)	410 ^	84.3	35	2800	1.5	290
<b>Surface Water Stations</b>														
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
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

**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<sub>3</sub>). 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

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

Well ID	California MCL: Sample Date	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*
		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-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-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-20-070	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-20-130	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-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-34-80	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-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

**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

**Table 6**  
**Water Level Measurements and Elevations**  
**September 2002 through September 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)
<b>Monitoring Wells</b>							
MW-09	88	536.18 536.56	16-Sep-02	12:00 PM	79.75	0.20	456.40
			09-Dec-02	12:00 PM	81.00	0.20	455.16
			17-Mar-03	12:00 PM	81.20	0.20	455.34
			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	0.20	456.05
MW-10	95	530.24 530.65	16-Sep-02	12:00 PM	74.00	0.20	456.18
			09-Dec-02	12:00 PM	75.28	0.20	454.90
			17-Mar-03	12:00 PM	75.44	0.20	455.15
			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
			29-Jul-04	2:13 PM	73.95	0.20	456.64
MW-11	88	522.19 522.61	16-Sep-02	12:00 PM	66.17	0.10	455.94
			09-Dec-02	12:00 PM	67.30	0.10	454.81
			17-Mar-03	12:00 PM	66.90	0.10	455.63
			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
			29-Jul-04	1:45 PM	66.00	0.10	456.53
MW-12	49	483.57 484.01	16-Sep-02	12:00 PM	27.75	0.20	455.76
			09-Dec-02	12:00 PM	29.00	0.20	454.52
			17-Mar-03	12:00 PM	28.95	0.20	455.01
			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
MW-13	50	488.20	16-Sep-02	12:00 PM	32.00	0.10	456.14

**Table 6**  
**Water Level Measurements and Elevations**  
**September 2002 through September 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)
<b>Monitoring Wells</b>						
MW-13	50	488.20 488.64	09-Dec-02 12:00 PM	32.35	0.10	455.79
			17-Mar-03 12:00 PM	32.40	0.10	456.18
			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
			29-Jul-04 11:00 AM	32.35	0.10	456.23
			24-Sep-04 10:09 AM	32.33	0.10	456.25
MW-14	132	570.54 570.99	16-Sep-02 12:00 PM	114.75	0.10	455.72
			09-Dec-02 12:00 PM	115.90	0.10	454.58
			17-Mar-03 12:00 PM	115.70	0.10	455.23
			09-Jun-03 9:40 AM	114.40	0.10	456.52
			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	0.10	455.67
MW-15	202	641.09 641.52	16-Sep-02 12:00 PM	184.70	0.12	456.32
			09-Dec-02 12:00 PM	186.00	0.10	455.02
			17-Mar-03 12:00 PM	186.25	0.10	455.21
			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	0.10	455.95
MW-16	218	656.59 657.31	16-Sep-02 12:00 PM	199.70	0.10	456.82
			09-Dec-02 12:00 PM	201.10	0.10	455.43
			17-Mar-03 12:00 PM	201.60	0.10	455.65
			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
MW-17	151	588.23	16-Sep-02 12:00 PM	132.68	0.10	455.48
			09-Dec-02 12:00 PM	133.68	0.10	454.48

**Table 6**  
**Water Level Measurements and Elevations**  
**September 2002 through September 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)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)	
					Salinity (percent)	
<b>Monitoring Wells</b>						
MW-17	151	589.96	09-Jun-03	12:40 PM	132.80	0.10
			08-Sep-03	1:33 PM	132.95	0.10
			05-Nov-03	8:43 AM	133.60	0.10
			08-Dec-03	10:15 AM	133.77	0.10
			15-Mar-04	2:00 PM	133.87	0.10
			16-Mar-04	12:58 PM	133.87	0.10
			07-Jun-04	2:20 PM	132.71	0.09
MW-18	110	544.52	16-Sep-02	12:00 PM	88.78	0.10
			09-Dec-02	12:00 PM	89.95	0.10
			17-Mar-03	12:00 PM	89.80	0.10
			09-Jun-03	9:03 AM	88.55	0.10
			08-Sep-03	11:10 AM	88.97	0.10
			08-Dec-03	10:23 AM	89.95	0.10
			15-Mar-04	2:10 PM	89.76	0.10
			16-Mar-04	1:24 PM	89.76	0.10
			09-Jun-04	10:00 AM	88.49	0.08
			29-Jul-04	10:18 AM	88.54	0.10
			24-Sep-04	8:54 AM	89.33	0.10
MW-19	66	499.11	16-Sep-02	12:00 PM	44.31	0.10
			09-Dec-02	12:00 PM	45.60	0.10
			17-Mar-03	12:00 PM	44.52	0.10
			09-Jun-03	9:48 AM	43.27	0.10
			08-Sep-03	11:32 AM	44.32	0.10
		499.92	08-Dec-03	10:43 AM	45.18	0.10
			15-Mar-04	2:38 PM	44.56	0.15
			16-Mar-04	1:09 PM	44.33	0.15
			08-Jun-04	1:15 PM	43.25	0.23
			20-Sep-04	12:42 PM	45.19	0.11
MW-20-070	70	499.67	16-Sep-02	12:00 PM	44.52	0.20
			09-Dec-02	12:00 PM	45.95	0.20
			17-Mar-03	12:00 PM	44.83	0.20
			09-Jun-03	10:02 AM	43.60	0.20
			08-Sep-03	11:37 AM	44.70	0.20
			08-Dec-03	10:50 AM	44.45	0.20
		500.15	03-Mar-04	10:33 AM	45.43	0.20
			15-Mar-04	3:04 PM	56.99 +	0.24
			11-Jun-04	12:19 PM	43.98	0.20
			24-Sep-04	1:42 PM	45.71	0.20
MW-20-100	100	500.08	16-Sep-02	12:00 PM	45.15	0.30
			09-Dec-02	12:00 PM	47.50	0.30
		500.58	17-Mar-03	12:00 PM	45.60	0.30
			09-Jun-03	10:06 AM	43.95	0.30

**Table 6**  
**Water Level Measurements and Elevations**  
**September 2002 through September 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)
<b>Monitoring Wells</b>						
MW-20-100	100	500.58	08-Sep-03 11:42 AM	45.15	0.30	455.31
			08-Dec-03 10:53 AM	45.93	0.30	454.53
			03-Mar-04 10:10 AM	45.85	0.30	454.61
			15-Mar-04 3:14 PM	74.22 +	0.36	426.31
			15-Mar-04 2:54 PM	74.75 +	0.36	425.79
			11-Jun-04 12:20 PM	44.53	0.30	455.93
			24-Sep-04 12:31 PM	46.32	0.30	454.15
MW-20-130	132	500.20	16-Sep-02 12:00 PM	45.45	1.20	455.12
			09-Dec-02 12:00 PM	46.95	1.20	453.62
			17-Mar-03 12:00 PM	45.27	1.20	455.77
			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
		500.66	03-Mar-04 9:37 AM	46.20	1.20	454.83
			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	1.06	454.04
			16-Sep-02 12:00 PM	49.30	0.80	455.49
			09-Dec-02 12:00 PM	50.60	0.80	454.19
MW-21	60	504.77	17-Mar-03 12:00 PM	50.50	0.90	455.07
			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
			25-Feb-04 1:05 PM	49.89	1.40	455.72
			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
		505.55	07-Jun-04 10:35 AM	49.26	0.63	456.30
			08-Jun-04 11:28 AM	50.35	0.63	455.20
			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	0.87	455.46
			21-Sep-04 11:28 AM	52.85	0.87	452.71
			16-Sep-02 12:00 PM	6.03	2.00	454.35
			09-Dec-02 12:00 PM	7.00	2.20	453.38
		460.72	17-Mar-03 12:00 PM	5.87	1.80	454.92
			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

**Table 6**  
**Water Level Measurements and Elevations**  
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**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)
<b>Monitoring Wells</b>						
MW-22	11	460.72	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
MW-23	80	506.53	16-Sep-02 12:00 PM	51.52	1.10	455.13
			09-Dec-02 12:00 PM	52.65	1.30	454.04
		507.33	17-Mar-03 12:00 PM	52.20	1.20	455.27
			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
			08-Jun-04 11:03 AM	53.01	1.03	454.42
			20-Sep-04 10:50 AM	52.22	1.17	455.24
			21-Sep-04 11:07 AM	53.98	1.17	453.48
MW-24A	125	566.38	16-Sep-02 12:00 PM	110.68	0.20	455.66
			09-Dec-02 12:00 PM	111.90	0.20	454.44
		567.16	17-Mar-03 12:00 PM	112.00	0.20	455.12
			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	0.20	455.47
MW-24B	217	564.01	16-Sep-02 12:00 PM	108.40	0.80	455.77
			09-Dec-02 12:00 PM	109.80	0.90	454.45
		564.76	17-Mar-03 12:00 PM	109.75	0.80	455.17
			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 3:06 PM	108.64	0.90	456.36
			09-Sep-03 2:54 PM	108.64	0.90	456.36
			09-Sep-03 3:51 PM	108.66	0.90	456.34
			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	0.83	455.64
MW-24BR	440	563.11	16-Sep-02 12:00 PM	107.25	0.90	456.41
			09-Dec-02 12:00 PM	108.75	1.00	455.14

**Table 6**  
**Water Level Measurements and Elevations**  
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**PG&E Topock Groundwater Monitoring Program**

Location	Well Depth (feet BGS)	Measuring Point Elevation (feet AMSL)*	Monitoring Date & Time	Water Level Measurement (feet BMP)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)	
					Salinity (percent)	Adjusted for Salinity (feet AMSL)
<b>Monitoring Wells</b>						
MW-24BR	440	563.95	17-Mar-03 12:00 PM	108.45	0.90	456.05
			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
			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
			08-Jun-04 9:35 AM	144.70	0.82	419.57
			20-Sep-04 3:06 PM	107.88	0.92	456.66
			21-Sep-04 9:47 AM	158.55	0.92	405.90
MW-25	105	542.34	16-Sep-02 12:00 PM	86.83	0.10	455.44
			09-Dec-02 12:00 PM	88.10	0.10	454.18
		542.90	17-Mar-03 12:00 PM	87.65	0.10	455.18
			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
			03-Mar-04 12:03 PM	88.00	0.10	454.84
			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	0.10	455.33
MW-26	72	501.74	16-Sep-02 12:00 PM	46.27	0.20	455.39
			09-Dec-02 12:00 PM	47.50	0.20	454.16
		502.22	17-Mar-03 12:00 PM	47.10	0.20	455.04
			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
			03-Mar-04 12:34 PM	47.43	0.20	454.71
			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
			29-Jul-04 3:00 PM	45.95	0.20	456.19
			22-Sep-04 11:10 AM	47.03	0.20	455.11
MW-27	17	460.09	16-Sep-02 12:00 PM	5.95	0.10	454.12
			09-Dec-02 12:00 PM	7.26	0.00	452.81
		460.56	17-Mar-03 12:00 PM	5.32	0.10	455.22
			09-Jun-03 11:00 AM	3.85	0.00	456.68
			10-Jun-03 9:45 AM	3.71	0.00	456.82

**Table 6**  
**Water Level Measurements and Elevations**  
**September 2002 through September 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)
<b>Monitoring Wells</b>						
MW-27	17	460.56	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
			29-Jan-04 1:41 PM	7.65	0.10	452.90
			05-Feb-04 12:08 PM	6.76	0.00	453.78
			12-Feb-04 12:30 PM	6.48	0.00	454.06
			19-Feb-04 3:20 PM	6.34	0.00	454.20
			26-Feb-04 2:24 PM	7.37	0.10	453.18
			03-Mar-04 2:40 PM	6.22	0.10	454.32
			10-Mar-04 1:45 PM	5.26	0.20	455.29
			15-Mar-04 11:27 AM	5.02	0.00	455.51
			17-Mar-04 11:12 AM	5.02	0.00	455.51
			24-Mar-04 11:18 AM	4.04	0.10	456.50
			31-Mar-04 11:45 AM	4.76	0.00	455.77
			07-Apr-04 11:15 AM	4.19	0.00	456.34
			13-Apr-04 3:20 PM	4.44	0.10	456.10
			21-Apr-04 12:15 PM	4.35	0.00	456.18
			28-Apr-04 10:33 AM	4.05	0.00	456.48
			05-May-04 11:29 AM	4.05	0.00	456.48
			12-May-04 2:15 PM	4.26	0.00	456.27
			19-May-04 12:20 PM	4.35	0.00	456.18
			26-May-04 11:05 AM	4.39	0.00	456.14
			02-Jun-04 1:37 PM	4.20	0.00	456.33
			08-Jun-04 2:32 PM	4.13	0.00	456.40
			17-Jun-04 9:33 AM	4.13	0.05	456.41
			23-Jun-04 11:58 AM	4.27	0.05	456.27
			30-Jun-04 11:37 AM	3.76	0.03	456.77
			07-Jul-04 11:16 AM	4.45	0.00	456.08
			13-Jul-04 11:30 AM	4.58	0.00	455.95
			21-Jul-04 8:25 AM	4.00	0.10	456.54
			27-Jul-04 9:27 AM	4.26	0.00	456.27
			04-Aug-04 12:19 PM	5.07	0.05	455.47
			11-Aug-04 10:45 AM	5.28	0.04	455.26
			19-Aug-04 11:30 AM	5.63	0.03	454.91
			21-Sep-04 12:42 PM	6.08	0.01	454.46
MW-28-25	23	466.32	16-Sep-02 12:00 PM	12.25	0.10	454.04
			09-Dec-02 12:00 PM	13.40	0.10	452.89
		466.85	17-Mar-03 12:00 PM	11.45	0.20	455.38
			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

**Table 6**  
**Water Level Measurements and Elevations**  
**September 2002 through September 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)
<b>Monitoring Wells</b>						
MW-28-25	23	466.85	08-Dec-03 12:48 PM	12.70	0.10	454.12
			13-Jan-04 1:45 PM	13.29	0.10	453.53
			29-Jan-04 2:15 PM	13.98	0.10	452.85
			05-Feb-04 11:40 AM	12.64	0.10	454.18
			12-Feb-04 11:56 AM	12.80	0.10	454.02
			20-Feb-04 9:37 AM	12.09	0.10	454.73
			26-Feb-04 1:49 PM	13.78	0.10	453.04
			04-Mar-04 10:20 AM	11.92	0.10	454.90
			10-Mar-04 3:00 PM	11.61	0.50	455.25
			15-Mar-04 11:05 AM	11.45	0.10	455.37
			17-Mar-04 10:04 AM	11.35	0.10	455.47
			24-Mar-04 10:12 AM	10.04	0.10	456.78
			31-Mar-04 10:00 AM	10.92	0.10	455.90
			07-Apr-04 10:05 AM	10.37	0.10	456.45
			13-Apr-04 12:45 PM	10.60	0.10	456.22
			21-Apr-04 10:48 AM	10.49	0.10	456.33
			28-Apr-04 8:29 AM	10.03	0.10	456.79
			05-May-04 1:00 PM	10.20	0.10	456.62
			11-May-04 12:30 PM	10.30	0.10	456.52
			20-May-04 8:25 AM	10.24	0.10	456.58
			26-May-04 9:55 AM	10.50	0.10	456.32
			02-Jun-04 2:28 PM	10.52	0.10	456.30
			07-Jun-04 12:56 PM	10.11	0.10	456.71
			16-Jun-04 8:35 AM	10.15	0.10	456.67
			23-Jun-04 12:55 PM	10.83	0.07	455.98
			30-Jun-04 12:37 PM	10.05	0.07	456.76
			07-Jul-04 12:10 PM	10.84	0.10	455.98
			13-Jul-04 10:20 AM	10.68	0.10	456.14
			21-Jul-04 9:50 AM	10.45	0.10	456.37
			27-Jul-04 10:28 AM	10.43	0.00	456.38
			04-Aug-04 9:38 AM	11.04	0.11	455.78
			11-Aug-04 9:45 AM	11.37	0.07	455.45
			19-Aug-04 8:20 AM	11.64	0.06	455.18
			20-Sep-04 12:17 PM	12.32	0.09	454.50
MW-28-90	95	467.66	29-Apr-04 1:49 PM	11.65	0.40	456.03
			26-Aug-04 9:02 AM	12.87	0.40	454.81
			09-Sep-04 9:17 AM	12.30	0.40	455.38
			20-Sep-04 1:58 PM	13.65	0.40	454.03
MW-29	40	484.73	16-Sep-02 12:00 PM	29.87	0.10	454.83
			09-Dec-02 12:00 PM	31.20	0.50	453.54
		485.21	17-Mar-03 12:00 PM	29.90	0.80	455.34
			09-Jun-03 12:00 PM	28.75	0.30	456.45
			08-Sep-03 1:25 PM	30.00	0.20	455.19

**Table 6**  
**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)
<b>Monitoring Wells</b>							
MW-29	40	485.21	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
			04-Aug-04	8:55 AM	29.30	0.19	455.89
			11-Aug-04	8:15 AM	29.60	0.24	455.59
			20-Sep-04	11:01 AM	30.27	0.25	454.93
MW-30-30	32	467.64	16-Sep-02	12:00 PM	13.20	4.00	454.96
			09-Dec-02	12:00 PM	14.30	4.00	453.83
		468.12	17-Mar-03	12:00 PM	13.30	2.90	455.17
			09-Jun-03	11:30 AM	12.00	2.50	456.43
			08-Sep-03	12:58 PM	13.30	4.00	455.34
			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
			29-Jan-04	9:35 AM	14.65	4.00	453.95
			05-Feb-04	10:52 AM	14.30	2.90	454.16
			12-Feb-04	11:05 AM	14.15	2.00	454.18
			19-Feb-04	11:36 AM	13.90	3.60	454.66
			26-Feb-04	12:54 PM	14.35	3.90	454.25
			04-Mar-04	2:24 PM	13.80	3.90	454.81
			11-Mar-04	9:35 AM	13.20	4.00	455.44
			15-Mar-04	11:10 AM	13.30	3.20	455.22
			18-Mar-04	1:16 PM	13.32	3.20	455.20
			24-Mar-04	1:55 PM	12.83	3.20	455.70
			31-Mar-04	12:55 PM	12.91	3.10	455.60
			07-Apr-04	12:10 PM	12.60	2.80	455.87
			14-Apr-04	1:20 PM	12.48	4.00	456.18
			21-Apr-04	1:15 PM	12.46	3.00	456.04
			28-Apr-04	11:29 AM	12.26	3.10	456.26
			05-May-04	2:43 PM	12.16	3.10	456.36
			12-May-04	10:54 AM	12.21	2.70	456.25
			20-May-04	9:09 AM	12.12	2.80	456.36
			26-May-04	12:19 PM	12.41	3.70	456.20
			03-Jun-04	9:11 AM	11.95	2.30	456.45
			09-Jun-04	11:27 AM	12.04	2.40	456.38
			16-Jun-04	9:45 AM	12.00	2.80	456.48
			24-Jun-04	10:15 AM	12.20	2.90	456.29

**Table 6**  
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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)
<b>Monitoring Wells</b>						
MW-30-30	32	468.12	01-Jul-04 10:03 AM	11.92	2.50	456.51
			08-Jul-04 9:35 AM	12.27	2.70	456.19
			14-Jul-04 11:47 AM	12.58	3.60	456.01
			22-Jul-04 9:32 AM	12.31	3.00	456.20
			28-Jul-04 9:23 AM	12.24	2.72	456.22
			04-Aug-04 12:59 PM	12.82	2.73	455.64
			12-Aug-04 8:45 AM	12.92	3.52	455.65
			19-Aug-04 1:27 PM	13.27	2.82	455.19
			23-Sep-04 11:20 AM	13.72	3.13	454.78
MW-30-50	50	468.81	17-Mar-03 12:00 PM	13.55	0.70	455.32
			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
			29-Jan-04 10:13 AM	15.65	0.40	453.14
			05-Feb-04 10:48 AM	14.55	0.40	454.24
			12-Feb-04 11:00 AM	14.73	0.30	454.03
			19-Feb-04 12:15 PM	14.52	0.60	454.32
			26-Feb-04 1:19 PM	15.58	0.60	453.26
			05-Mar-04 10:49 AM	14.10	0.60	454.74
			11-Mar-04 1:51 PM	13.35	0.60	455.49
			15-Mar-04 11:12 AM	13.70	0.60	455.14
			18-Mar-04 2:12 PM	13.85	0.60	454.99
			25-Mar-04 11:50 AM	13.57	0.70	455.30
			01-Apr-04 11:30 AM	13.22	0.60	455.62
			08-Apr-04 10:00 AM	12.89	0.60	455.95
			15-Apr-04 2:54 PM	13.05	0.60	455.79
			22-Apr-04 1:45 PM	13.13	0.60	455.71
			29-Apr-04 11:38 AM	12.55	0.60	456.29
			06-May-04 1:46 PM	12.46	0.60	456.38
			14-May-04 7:58 AM	12.38	0.60	456.46
			20-May-04 2:20 PM	13.35	0.60	455.49
			27-May-04 1:41 PM	13.00	0.60	455.84
			03-Jun-04 12:00 PM	12.68	0.50	456.14
			09-Jun-04 2:06 PM	13.00	0.60	455.84
			16-Jun-04 10:25 AM	12.63	0.70	456.24
			25-Jun-04 9:20 AM	12.55	0.56	456.28
			01-Jul-04 10:30 AM	12.28	0.60	456.56
			08-Jul-04 10:15 AM	12.75	0.60	456.09
			15-Jul-04 10:05 AM	12.91	0.90	456.02
			22-Jul-04 9:55 AM	12.78	0.70	456.09

**Table 6**  
**Water Level Measurements and Elevations**  
**September 2002 through September 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)
<b>Monitoring Wells</b>							
MW-30-50	50	468.81	28-Jul-04	9:54 AM	12.62	0.55	456.21
			05-Aug-04	11:55 AM	13.57	0.65	455.29
			12-Aug-04	11:48 AM	13.76	0.60	455.08
			20-Aug-04	11:00 AM	13.80	0.56	455.03
			23-Sep-04	11:57 AM	14.52	0.55	454.31
MW-31-060	62	496.30	16-Sep-02	12:00 PM	41.35	0.20	454.89
			09-Dec-02	12:00 PM	42.65	0.20	453.60
			496.81	17-Mar-03	12:00 PM	41.44	0.20
				09-Jun-03	9:57 AM	40.20	0.20
				08-Sep-03	11:35 AM	41.35	0.20
				08-Dec-03	10:45 AM	42.15	0.20
				03-Mar-04	11:32 AM	42.05	0.20
				15-Mar-04	11:30 AM	41.44	0.20
				16-Mar-04	1:48 PM	41.34	0.20
				03-Apr-04	3:16 PM	40.78	0.20
				11-Apr-04	10:05 AM	40.80	0.20
				14-May-04	9:28 AM	40.53	0.20
				08-Jun-04	12:50 PM	40.27	0.19
				22-Sep-04	1:47 PM	42.05	0.20
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	0.73	454.31
MW-32-20	20	461.51	17-Mar-03	12:00 PM	6.50	0.40	455.01
			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
			04-Mar-04	11:45 AM	7.10	0.80	454.45
			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
MW-32-35	37	461.63	17-Mar-03	12:00 PM	6.40	0.30	455.20
			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

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**Water Level Measurements and Elevations**  
**September 2002 through September 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)
<b>Monitoring Wells</b>						
MW-32-35	37	461.63	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
			04-Mar-04 12:14 PM	6.95	0.50	454.69
			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	0.39	454.58
MW-33-40	39	487.41	17-Mar-03 12:00 PM	32.20	0.20	455.19
			09-Jun-03 12:08 PM	30.90	0.20	456.49
			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
			19-Aug-04 10:55 AM	32.16	0.47	455.25
			21-Sep-04 1:03 PM	32.78	0.42	454.62
MW-33-90	89	487.57	17-Mar-03 12:00 PM	32.15	0.40	455.37
			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
			06-May-04 7:51 AM	30.96	0.50	456.60
			13-May-04 1:45 PM	31.77	0.50	455.79
			20-May-04 10:14 AM	31.32	0.50	456.24
			26-May-04 1:12 PM	31.66	0.50	455.90
			03-Jun-04 10:10 AM	31.07	0.50	456.49

**Table 6**  
**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)
<b>Monitoring Wells</b>						
MW-33-90	89	487.57	16-Jun-04 1:00 PM	31.52	0.50	456.04
			25-Jun-04 7:58 AM	30.93	0.48	456.62
			01-Jul-04 8:15 AM	30.60	0.50	456.96
			08-Jul-04 9:10 AM	31.19	0.50	456.37
			14-Jul-04 12:20 PM	31.81	0.70	455.83
			22-Jul-04 8:00 AM	31.10	0.60	456.50
			28-Jul-04 8:11 AM	31.08	0.46	456.46
			05-Aug-04 9:00 AM	31.77	0.56	455.81
			12-Aug-04 9:20 AM	31.98	0.53	455.59
			20-Aug-04 8:05 AM	32.10	0.51	455.46
			26-Aug-04 12:02 PM	32.81	0.53	454.76
			08-Sep-04 2:09 PM	33.02	0.53	454.55
			21-Sep-04 1:52 PM	33.17	0.53	454.40
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
			29-Jan-04 12:05 PM	8.15	0.50	452.78
			05-Feb-04 9:43 AM	6.48	0.50	454.45
			12-Feb-04 9:10 AM	6.74	0.40	454.16
			18-Feb-04 1:40 PM	6.53	0.60	454.44
			26-Feb-04 12:18 PM	8.00	0.80	453.03
			04-Mar-04 1:01 PM	6.50	0.80	454.54
			11-Mar-04 10:30 AM	4.85	0.80	456.19
			15-Mar-04 11:17 AM	5.85	0.70	455.15
			17-Mar-04 12:50 PM	6.31	0.70	454.69
			24-Mar-04 12:25 PM	4.68	0.80	456.36
			31-Mar-04 1:35 PM	5.60	0.60	455.37
			07-Apr-04 1:15 PM	5.81	0.60	455.16
			15-Apr-04 12:00 PM	4.92	0.60	456.05
			22-Apr-04 9:25 AM	4.55	0.70	456.46
			29-Apr-04 7:35 AM	3.83	0.70	457.18
			06-May-04 10:30 AM	4.32	0.70	456.69
			13-May-04 9:17 AM	4.88	0.60	456.09
			19-May-04 1:25 PM	5.36	0.50	455.57
			27-May-04 9:13 AM	4.41	0.60	456.56
			02-Jun-04 8:45 AM	3.85	0.60	457.12
			08-Jun-04 10:39 AM	4.13	0.60	456.84
			17-Jun-04 10:29 AM	4.38	0.56	456.58
			23-Jun-04 8:28 AM	4.29	0.56	456.67
			30-Jun-04 8:28 AM	3.68	0.57	457.28
			07-Jul-04 8:17 AM	4.27	0.50	456.66

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**Water Level Measurements and Elevations**  
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**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)
<b>Monitoring Wells</b>						
MW-34-55	56	460.88	14-Jul-04 10:40 AM	5.19	0.50	455.74
			21-Jul-04 10:36 AM	4.97	0.50	455.96
			27-Jul-04 11:18 AM	4.75	0.50	456.18
			04-Aug-04 11:00 AM	5.56	0.54	455.39
			11-Aug-04 1:20 PM	6.24	0.60	454.73
			19-Aug-04 12:05 PM	6.26	0.49	454.67
			22-Sep-04 1:35 PM	6.62	0.53	454.32
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
			29-Jan-04 3:07 PM	8.46	0.70	452.71
			05-Feb-04 9:15 AM	6.60	0.80	454.63
			12-Feb-04 9:08 AM	6.85	0.70	454.32
			18-Feb-04 11:48 AM	6.73	0.90	454.55
			26-Feb-04 11:47 AM	8.09	1.70	453.62
			05-Mar-04 9:05 AM	6.10	1.70	455.62
			11-Mar-04 10:32 AM	5.00	1.70	456.73
			15-Mar-04 11:19 AM	5.98	0.90	455.30
			17-Mar-04 1:45 PM	6.52	0.90	454.76
			25-Mar-04 8:50 AM	5.16	0.90	456.13
			01-Apr-04 9:20 AM	5.16	0.80	456.07
			08-Apr-04 7:30 AM	5.40	0.80	455.83
			16-Apr-04 9:02 AM	4.42	0.80	456.81
			22-Apr-04 11:40 AM	5.16	0.90	456.13
			29-Apr-04 9:20 AM	4.29	0.90	457.00
			06-May-04 11:55 AM	4.56	0.90	456.73
			13-May-04 11:03 AM	5.47	0.80	455.76
			20-May-04 12:39 PM	5.52	0.90	455.77
			27-May-04 10:53 AM	4.99	0.90	456.30
			02-Jun-04 11:37 AM	4.73	0.90	456.56
			08-Jun-04 12:40 PM	4.85	0.80	456.38
			17-Jun-04 8:10 AM	4.28	0.80	456.95
			23-Jun-04 10:00 AM	4.80	0.84	456.45
			30-Jun-04 9:57 AM	4.15	0.87	457.12
			07-Jul-04 9:40 AM	4.75	0.80	456.48
			15-Jul-04 8:45 AM	5.86	1.20	455.59
			21-Jul-04 11:41 AM	5.37	1.10	456.03
			27-Jul-04 12:25 PM	5.19	0.80	456.04
			05-Aug-04 10:29 AM	5.92	0.96	455.40
			12-Aug-04 10:33 AM	5.86	0.90	455.42
			20-Aug-04 9:28 AM	5.83	0.83	455.42

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**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)
<b>Monitoring Wells</b>						
MW-34-80	83	460.99	26-Aug-04 10:32 AM	6.60	0.89	454.68
			08-Sep-04 11:55 AM	6.11	0.89	455.17
			23-Sep-04 8:40 AM	6.31	0.89	454.97
MW-35-060	57	484.19	15-Apr-04 9:25 AM	27.50	0.30	456.64
			22-Sep-04 2:45 PM	29.62	0.35	454.53
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	0.71	454.68
MW-36-020	20	469.32	18-May-04 11:55 AM	13.22	0.70	456.11
			15-Jun-04 1:55 PM	13.23	0.63	456.10
			21-Sep-04 11:48 AM	14.01	0.66	455.32
MW-36-040	46	469.64	18-May-04 12:35 PM	13.85	0.50	455.79
			16-Jun-04 10:26 AM	13.43	0.49	456.21
			21-Sep-04 1:32 PM	15.45	0.49	454.19
MW-36-050	51	469.65	19-May-04 2:25 PM	14.21	0.56	455.46
			17-Jun-04 10:06 AM	13.17	0.50	456.49
			21-Sep-04 10:56 AM	15.50	0.50	454.16
MW-36-070	70	469.31	19-May-04 11:22 AM	13.20	0.83	456.26
			17-Jun-04 11:40 AM	12.99	0.70	456.42
			22-Sep-04 10:02 AM	14.75	0.70	454.65
MW-36-090	90	469.68	18-May-04 1:28 PM	13.98	0.90	455.93
			15-Jun-04 12:24 PM	13.30	0.92	456.62
			23-Sep-04 1:30 PM	15.63	0.92	454.29
MW-36-100	110	469.69	21-May-04 8:43 AM	13.27	0.90	456.72
			15-Jun-04 10:25 AM	13.35	0.97	456.69
			26-Aug-04 1:23 PM	15.51	0.93	454.50
			09-Sep-04 11:26 AM	14.68	0.93	455.33
			23-Sep-04 1:30 PM	16.88	0.93	453.12
MW-37D	225	486.19	19-May-04 10:20 AM	30.18	0.70	456.09
			11-Jun-04 10:32 AM	30.37	0.80	456.04
			24-Sep-04 9:42 AM	31.41	0.75	454.93
MW-37S	84	485.97	19-May-04 9:15 AM	30.23	0.20	455.58
			23-Sep-04 8:54 AM	31.30	0.20	454.51
MW-38D	188	525.31	05-May-04 9:10 AM	67.55	1.40	458.40
			10-Jun-04 1:25 PM	69.80	1.33	456.08
			23-Sep-04 12:44 PM	70.53	1.36	455.37
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	0.22	455.05

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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)
<b>Monitoring Wells</b>						
MW-39-040	40	468.02	20-May-04 8:45 AM	11.75	0.36	456.24
			18-Jun-04 9:13 AM	11.73	0.30	456.25
MW-39-050	52	467.93	20-May-04 11:37 AM	12.20	0.45	455.71
			18-Jun-04 10:04 AM	11.75	0.50	456.18
MW-39-060	66	468.00	20-May-04 12:15 PM	12.23	0.42	455.74
			18-Jun-04 10:45 AM	11.93	0.40	456.03
MW-39-070	70	468.02	20-May-04 9:43 AM	11.95	0.55	456.09
			18-Jun-04 8:05 AM	11.75	0.40	456.23
MW-39-080	80	467.92	20-May-04 10:36 AM	11.89	0.74	456.15
			17-Jun-04 1:28 PM	11.90	0.60	456.07
MW-39-100	118	468.01	21-May-04 10:04 AM	11.96	0.90	456.34
			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	0.95	454.26
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	0.89	455.27
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	0.10	455.40
Park-Moabi	---	518.55	16-Mar-04 10:00 AM	61.34	0.08	---
PGE-06	180	562.99	16-Sep-02 12:00 PM	106.85	0.33	456.02
		563.32	09-Dec-02 12:00 PM	108.10	0.33	454.78
			17-Mar-03 12:00 PM	108.15	0.33	455.06
			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-07	330	563.63	09-Dec-02 12:00 PM	108.80	0.94	455.46
		563.89	17-Mar-03 12:00 PM	108.92	0.94	455.61
			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-08	562	595.35	16-Sep-02 12:00 PM	139.93	1.12	456.90
		596.01	09-Dec-02 12:00 PM	140.90	1.12	455.92
			17-Mar-03 12:00 PM	141.36	1.12	456.13
			09-Jun-03 8:29 AM	139.53	1.12	457.96
			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

**Table 6**  
**Water Level Measurements and Elevations**  
**September 2002 through September 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)
<b>Surface Water Stations</b>						
A-Dock	---	459.67 460.22	16-Sep-02 12:00 PM	5.05	0.00	454.62
			09-Dec-02 12:00 PM	6.80	0.00	452.87
			17-Mar-03 12:00 PM	4.45	0.00	455.77
			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
I-3	---	459.87 460.30	11-Jun-04 10:12 AM	6.00	0.00	454.22
			16-Sep-02 12:00 PM	7.82	0.00	452.05
			09-Dec-02 12:00 PM	7.02	0.00	452.85
			17-Mar-03 12:00 PM	5.40	0.00	454.90
			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 3:25 PM	7.41	0.00	452.89
			13-Jan-04 9:55 AM	6.39	0.00	453.91
			13-Jan-04 1:00 PM	7.05	0.00	453.25
			14-Jan-04 10:35 AM	6.50	0.00	453.80
			29-Jan-04 3:40 PM	8.20	0.00	452.10
			29-Jan-04 8:40 AM	7.71	0.00	452.59
			29-Jan-04 12:05 PM	8.11	0.00	452.19
			05-Feb-04 12:25 PM	5.90	0.00	454.40
			16-Feb-04 2:20 PM	6.70	0.10	453.60
			04-Mar-04 9:55 AM	5.60	0.00	454.70
			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
			31-Mar-04 2:15 PM	5.47	0.00	454.83
			01-Apr-04 10:10 AM	4.91	0.00	455.39
			07-Apr-04 11:30 AM	4.61	0.00	455.69
			08-Apr-04 10:20 AM	4.89	0.00	455.41
			28-Apr-04 12:52 PM	4.80	0.00	455.50
			29-Apr-04 9:44 AM	3.73	0.00	456.57
			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
RRB	---	476.18	16-Sep-02 12:00 PM	21.78	0.00	454.40
			09-Dec-02 12:00 PM	23.40	0.00	452.78

**Table 6**  
**Water Level Measurements and Elevations**  
**September 2002 through September 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)
<b>Surface Water Stations</b>						
RRB	---	476.63	17-Mar-03 12:00 PM	21.25	0.00	455.38
			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 10:05 AM	22.35	0.00	454.28
			13-Jan-04 1:10 PM	23.06	0.00	453.57
			13-Jan-04 3:35 PM	23.38	0.00	453.25
			14-Jan-04 10:25 AM	22.45	0.00	454.18
			14-Jan-04 10:45 AM	22.52	0.00	454.11
			29-Jan-04 12:15 PM	23.68	0.00	452.95
			29-Jan-04 8:50 AM	23.59	0.00	453.04
			29-Jan-04 3:45 PM	23.70	0.00	452.93
			05-Feb-04 12:10 PM	21.75	0.00	454.88
			16-Feb-04 3:45 PM	22.66	0.00	453.97
			04-Mar-04 9:45 AM	21.61	0.00	455.02
			15-Mar-04 1:20 PM	21.61	0.00	455.02
			15-Mar-04 10:40 AM	21.61	0.00	455.02
			31-Mar-04 2:05 PM	21.40	0.00	455.23
			01-Apr-04 10:30 AM	20.96	0.00	455.67
			07-Apr-04 11:40 AM	20.76	0.00	455.87
			08-Apr-04 10:10 AM	20.87	0.00	455.76
			13-Apr-04 1:45 PM	20.91	0.00	455.72
			28-Apr-04 12:42 PM	20.72	0.00	455.91
			29-Apr-04 9:54 AM	19.66	0.00	456.97
			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

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 February 2004.

+ Measured during active pumping.

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-09	17-Sep-02	4,260	30.50	8.14	8	4.41
	10-Dec-02	3,061	24.86	8.18	136	7.74
	18-Mar-03	3,540	26.90	7.96	65	4.23
	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
MW-10	17-Sep-02	3,580	30.00	8.19	-25	2.32
	10-Dec-02	3,038	27.54	8.29	13	2.57
	18-Mar-03	3,530	28.09	8.18	42	0.75
	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
MW-11	17-Sep-02	2,640	31.90	8.14	-82	6.09
	10-Dec-02	4,020	26.97	8.24	128	4.62
	18-Mar-03	2,430	28.62	8.04	62	8.30
	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
MW-12	18-Sep-02	4,300	28.30	9.06	-128	4.22
	11-Dec-02	4,015	27.63	9.23	-145	6.05
	20-Mar-03	4,300	28.01	9.28	-52	5.00
	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	17-Sep-02	2,300	27.60	6.63	190	7.40
	10-Dec-02	2,020	27.60	8.31	107	6.72
	21-Mar-03	2,260	26.35	8.29	48	6.38
	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

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-13	09-Jun-04	2,270	28.40	7.54	10	---
	24-Sep-04	1,950	28.43	7.83	107	6.55
MW-14	18-Sep-02	1,480	29.60	8.32	-30	7.81
	10-Dec-02	1,035	27.42	8.39	66	8.52
	21-Mar-03	1,700	27.95	8.35	9	7.58
	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
MW-15	10-Dec-02	1,045	27.81	8.42	112	4.21
	18-Mar-03	1,850	29.12	8.31	11	8.90
	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	2,440	29.28		54	---
MW-16	10-Dec-02	1,031	28.49	8.55	84	2.53
	18-Mar-03	1,210	29.13	8.52	-22	5.00
	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	---
MW-17	18-Sep-02	1,650	29.90	8.57	-150	4.20
	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	---
MW-18	18-Sep-02	1,320	29.60	8.32	10	8.02
	10-Dec-02	1,035	27.42	8.39	66	8.52
	18-Mar-03	1,200	27.09	8.26	69	9.90
	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
MW-19	10-Dec-02	2,058	27.37	8.34	108	6.14

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-19	21-Mar-03	2,620	27.76	8.43	56	7.25
	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
MW-20-070	17-Sep-02	3,660	30.00	8.09	137	5.15
	11-Dec-02	3,043	28.20	8.23	41	4.90
	20-Mar-03	4,210	27.80	8.43	40	4.70
	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
	03-Mar-04	---	28.71	7.38	147	4.30
	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
MW-20-100	17-Sep-02	6,080	30.10	8.30	135	3.01
	11-Dec-02	5,079	27.82	8.44	2	1.55
	20-Mar-03	5,870	29.41	8.50	-20	1.91
	11-Jun-03	5,730	31.37	8.38	31	1.59
	09-Sep-03	6,010	30.41	7.61	95	0.90
	10-Dec-03	15,900	28.28	7.80	53	3.80
	03-Mar-04	---	28.73	7.54	138	3.20
	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
MW-20-130	17-Sep-02	20,000	32.10	8.40	102	3.97
	11-Dec-02	19,001	28.90	8.41	1	2.29
	20-Mar-03	19,400	29.24	8.49	17	3.03
	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
	03-Mar-04	---	27.85	7.43	153	2.80
	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
MW-21	18-Sep-02	13,000	28.50	7.58	-198	0.25
	11-Dec-02	13,005	26.30	7.70	-176	1.59
	21-Mar-03	15,600	27.25	7.96	-230	0.28
	12-Jun-03	13,900	28.68	7.61	-192	0.14

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-21	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
	26-Feb-04	22,300	26.29	6.78	-95	4.20
	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
	20-Sep-04	10,900	28.43	6.95	-128	7.29
	21-Sep-04	10,100	29.29	7.34	63	---
MW-22	18-Sep-02	32,000	30.10	7.05	-143	1.21
	12-Dec-02	34,007	23.20	7.36	-143	0.02
	19-Mar-03	28,900	20.32	7.28	-161	1.36
	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
MW-23	18-Sep-02	18,300	27.80	7.53	-182	1.62
	11-Dec-02	20,008	26.37	7.66	-196	0.98
	20-Mar-03	19,900	27.69	7.94	-148	0.99
	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
	15-Mar-04	---	29.51	6.79	-196	3.86
	16-Mar-04	---	27.55	7.03	100	6.21
	07-Jun-04	17,300	28.46	7.66	-66	4.86
	08-Jun-04	17,400	28.75	7.18	4	---
	20-Sep-04	16,800	28.37	6.71	-152	5.26
	21-Sep-04	15,500	28.27	7.00	2	7.70
MW-24A	17-Sep-02	4,290	31.60	8.35	151	5.71
	11-Dec-02	3,046	26.36	7.27	212	3.41
	18-Mar-03	3,650	27.90	8.50	12	3.31
	12-Jun-03	3,850	29.10	8.71	-150	3.52
	11-Sep-03	3,600	29.29	7.79	16	2.90
	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

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-24B	10-Dec-02	12,400	25.81	8.83	85	1.31
	18-Mar-03	13,700	29.10	8.71	-24	1.47
	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
MW-24BR	18-Sep-02	16,900	29.10	8.50	-188	2.20
	11-Dec-02	17,000	30.37	8.52	-302	1.09
	18-Mar-03	15,200	26.25	8.49	-297	0.89
	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
	16-Mar-04	---	32.41	7.85	-380	---
	17-Mar-04	---	32.03	8.10	-276	1.87
	07-Jun-04	14,400	33.13	8.95	-312	2.03
	08-Jun-04	14,200	32.68	8.20	-225	3.96
	20-Sep-04	13,500	32.22	7.65	-373	1.82
	21-Sep-04	11,400	32.50	7.78	-250	2.91
MW-25	17-Sep-02	1,910	29.20	7.85	173	4.60
	10-Dec-02	1,078	28.30	8.24	112	6.33
	19-Mar-03	1,980	28.43	8.24	56	6.57
	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
	03-Mar-04	---	28.39	7.44	157	4.40
	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	18-Sep-02	3,590	30.10	8.09	-29	7.21
	11-Dec-02	3,025	28.50	8.11	-40	3.00
	20-Mar-03	3,700	28.97	8.50	-62	6.32
	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
	03-Mar-04	---	29.63	7.36	158	4.30
	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
MW-27	19-Sep-02	1,110	21.70	8.30	-208	1.00

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-27	12-Dec-02	1,004	18.79	8.55	-208	0.00
	19-Mar-03	1,370	18.53	8.34	-182	0.83
	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
	29-Jan-04	1,160	17.66	7.83	-204	1.60
	05-Feb-04	883	18.78	7.87	-211	2.10
	12-Feb-04	950	17.73	7.85	-200	3.70
	19-Feb-04	1,070	18.19	7.92	-190	---
	19-Feb-04	1,060	18.09	7.87	-180	---
	26-Feb-04	1,340	17.03	7.86	-190	1.90
	03-Mar-04	---	18.09	7.53	-211	1.30
	10-Mar-04	---	21.23	7.55	-157	2.41
	17-Mar-04	938	19.29	7.62	-234	2.57
	24-Mar-04	1,150	21.10	7.64	-219	2.97
	31-Mar-04	955	22.40	7.46	-198	3.85
	07-Apr-04	835	19.95	7.48	-152	1.89
	13-Apr-04	1,140	21.36	7.61	-176	1.06
	21-Apr-04	706	20.70	7.64	-266	3.70
	28-Apr-04	848	21.40	7.55	-215	3.30
	05-May-04	940	21.80	7.63	-261	3.70
	12-May-04	940	21.40	7.71	---	3.90
	19-May-04	755	23.00	7.76	-220	5.10
	26-May-04	724	20.30	7.37	---	3.70
	02-Jun-04	849	22.00	7.29	-196	5.70
	08-Jun-04	680	20.50	7.36	-139	3.80
	23-Jun-04	1,120	21.92	7.74	-132	---
	30-Jun-04	791	21.83	7.05	-187	---
	07-Jul-04	1,100	22.00	7.23	-181	---
	13-Jul-04	1,050	23.90	7.40	-163	---
	21-Jul-04	1,110	22.50	7.69	-195	1.37
	27-Jul-04	730	23.10	7.50	-231	8.42
	04-Aug-04	1,040	23.01	7.22	-154	6.13
	11-Aug-04	860	23.51	7.35	-153	3.19
	19-Aug-04	690	22.66	7.24	-204	5.27
	21-Sep-04	970	23.19	8.08	-183	---
MW-28-25	19-Sep-02	1,550	25.10	8.39	-115	1.94
	12-Dec-02	1,069	23.66	8.37	-84	0.23
	20-Mar-03	3,200	23.02	8.41	-143	0.00
	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

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-28-25	11-Dec-03	1,450	23.99	7.87	-170	3.40
	13-Jan-04	1,770	23.92	7.60	-77	2.10
	29-Jan-04	1,970	23.54	7.55	-72	2.00
	05-Feb-04	1,240	23.50	7.65	-111	2.00
	12-Feb-04	1,260	22.84	7.65	-111	1.70
	20-Feb-04	1,810	23.46	7.52	-47	0.50
	20-Feb-04	1,830	23.14	7.63	-6	1.29
	26-Feb-04	1,860	22.57	7.67	-113	2.20
	04-Mar-04	---	24.94	7.61	92	2.90
	10-Mar-04	---	24.57	7.69	-115	2.44
	17-Mar-04	2,290	24.22	7.44	-169	3.56
	24-Mar-04	2,490	26.00	7.40	-163	3.55
	31-Mar-04	1,580	26.10	7.39	-134	3.84
	07-Apr-04	1,590	23.38	7.33	-130	3.11
	13-Apr-04	1,550	24.59	7.37	-140	4.78
	21-Apr-04	1,210	24.50	7.39	-222	3.50
	28-Apr-04	1,470	25.10	7.36	-200	2.20
	05-May-04	1,520	26.60	7.35	-210	2.50
	11-May-04	1,140	25.00	7.56	-175	4.20
	20-May-04	1,370	24.70	7.20	-149	3.40
	26-May-04	1,420	24.20	7.08	---	3.70
	02-Jun-04	1,550	27.00	7.29	-137	4.50
	07-Jun-04	1,420	25.60	7.36	-94	3.80
	23-Jun-04	1,450	26.61	8.25	-74	---
	30-Jun-04	1,500	25.32	6.93	-126	---
	07-Jul-04	1,330	26.50	7.09	-72	---
	13-Jul-04	1,430	27.50	7.43	-112	---
	21-Jul-04	1,300	27.20	7.23	-104	---
	27-Jul-04	---	26.60	7.29	-160	---
	04-Aug-04	2,350	28.75	7.36	-30	---
	11-Aug-04	1,610	27.70	7.29	-37	3.94
	19-Aug-04	1,210	25.14	7.06	-111	3.18
	20-Sep-04	1,330	25.90	7.74	---	---
MW-28-90	29-Apr-04	11,400	23.60	8.20	-329	2.10
	10-Jun-04	11,100	23.20	8.08	-184	2.38
	26-Aug-04	9,400	23.51	7.66	-246	2.93
	09-Sep-04	9,600	24.17	7.70	-321	2.29
	20-Sep-04	10,100	23.90	8.35	-124	---
MW-29	19-Sep-02	23,500	24.60	7.95	-210	0.00
	11-Dec-02	7,018	24.47	7.73	-213	0.00
	20-Mar-03	14,300	24.65	7.85	-173	0.00
	11-Jun-03	8,630	24.73	7.63	-255	0.10
	10-Sep-03	5,700	25.23	7.14	-207	0.20

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-29	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	---
	04-Aug-04	3,770	25.23	7.41	-20	0.78
	11-Aug-04	4,700	25.56	7.06	-168	2.28
	20-Sep-04	2,980	25.70	7.68	-125	---
MW-30-30	19-Sep-02	60,200	27.00	7.37	-138	1.04
	12-Dec-02	61,006	25.72	7.23	-98	0.09
	20-Mar-03	44,100	25.45	7.53	-137	0.09
	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
	29-Jan-04	62,800	25.40	6.86	-139	1.90
	05-Feb-04	44,800	25.15	7.01	-142	1.80
	12-Feb-04	32,200	25.36	7.04	-149	1.90
	19-Feb-04	49,500	26.31	7.29	-124	0.69
	19-Feb-04	53,600	26.38	7.29	-117	0.19
	26-Feb-04	58,900	25.20	7.07	-139	1.90
	04-Mar-04	---	25.70	7.04	-118	0.80
	11-Mar-04	---	26.65	7.50	-121	0.50
	18-Mar-04	48,300	27.44	6.98	-160	1.45
	24-Mar-04	48,700	27.70	7.00	-172	2.80
	31-Mar-04	47,500	28.80	6.87	-151	3.97
	07-Apr-04	43,000	26.25	7.16	-122	1.26
	14-Apr-04	99,900	26.56	7.08	-155	0.18
	21-Apr-04	48,300	27.30	6.86	-167	2.60
	28-Apr-04	51,400	28.70	6.87	-154	2.20
	05-May-04	50,900	28.50	6.86	-190	2.30
	12-May-04	44,100	27.00	6.92	---	2.50
	20-May-04	44,200	26.90	7.03	-166	2.70
	26-May-04	58,300	27.50	6.80	---	2.60
	03-Jun-04	38,900	27.60	6.96	-185	2.60
	09-Jun-04	38,700	27.30	6.91	-99	3.31
	24-Jun-04	44,900	27.98	6.98	-74	---
	01-Jul-04	41,000	27.60	6.95	-207	---
	08-Jul-04	41,300	27.80	7.01	-129	2.56
	14-Jul-04	53,800	26.90	6.93	-135	3.54
	22-Jul-04	45,400	28.10	6.94	-141	1.15

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-30-30	28-Jul-04	42,100	27.82	6.81	-185	3.84
	04-Aug-04	42,300	27.90	6.71	-98	1.21
	12-Aug-04	53,200	28.39	6.64	-97	3.17
	19-Aug-04	43,500	27.88	6.63	-156	1.87
	23-Sep-04	51,700	28.09	7.75	-132	0.15
MW-30-50	19-Mar-03	9,630	26.06	8.27	-9	0.00
	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
	29-Jan-04	6,390	25.68	7.39	-209	2.00
	05-Feb-04	7,050	25.59	7.37	-136	1.90
	12-Feb-04	6,300	25.05	7.29	-161	1.90
	19-Feb-04	9,600	26.11	7.44	-166	0.43
	19-Feb-04	11,100	26.76	7.45	-54	0.33
	26-Feb-04	10,200	25.55	7.41	-173	2.20
	05-Mar-04	---	26.37	7.29	-75	1.50
	11-Mar-04	---	26.89	7.60	-42	1.36
	18-Mar-04	10,800	27.72	7.36	-66	0.36
	25-Mar-04	11,900	27.50	7.54	-45	3.30
	01-Apr-04	10,000	27.70	7.53	-15	2.12
	08-Apr-04	---	26.71	6.83	70	0.24
	15-Apr-04	10,600	27.40	7.23	26	2.30
	22-Apr-04	10,900	26.70	7.20	27	2.00
	29-Apr-04	11,600	26.90	7.28	26	1.90
	06-May-04	12,000	27.70	7.25	16	2.10
	14-May-04	10,600	26.90	7.34	47	2.40
	20-May-04	11,500	27.60	7.39	11	2.60
	27-May-04	11,200	28.30	7.35	---	2.60
	03-Jun-04	10,500	28.30	7.35	13	2.80
	09-Jun-04	10,400	27.10	7.37	-23	2.88
	24-Jun-04	10,000	27.19	7.38	191	---
	01-Jul-04	11,500	27.40	7.38	-22	---
	08-Jul-04	10,700	27.60	7.31	45	1.45
	15-Jul-04	14,500	27.30	7.17	50	---
	22-Jul-04	13,000	27.40	7.36	16	0.47
	28-Jul-04	9,800	27.13	7.13	10	0.63
	05-Aug-04	11,400	22.43	6.78	51	0.85
	12-Aug-04	10,700	27.17	6.89	-103	2.28
	20-Aug-04	9,900	27.00	6.85	-83	1.74
	23-Sep-04	10,500	27.15	8.03	-63	---
MW-31-060	17-Sep-02	3,350	29.10	8.04	163	7.00

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-31-060	11-Dec-02	3,033	27.58	8.27	46	5.95
	21-Mar-03	3,320	24.16	8.51	75	8.13
	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
	03-Mar-04	---	28.05	7.45	160	4.80
	16-Mar-04	---	29.84	7.88	149	6.98
	14-May-04	3,310	29.00	7.61	51	7.20
	08-Jun-04	3,790	29.14	7.66	80	8.46
	22-Sep-04	2,970	29.30	7.50	85	7.17
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
MW-32-20	19-Mar-03	6,290	23.41	7.20	-138	0.09
	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
	04-Mar-04	---	23.73	6.99	-151	1.70
	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	---
MW-32-35	19-Mar-03	6,340	24.52	7.90	-170	0.00
	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	---
	04-Mar-04	---	25.58	7.35	-193	1.90
	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

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-32-35	21-Sep-04	5,880	25.54	7.61	-157	---
MW-33-40	19-Mar-03	3,840	26.55	9.30	-5	1.20
	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
	19-Aug-04	8,490	27.13	7.55	-131	2.44
	21-Sep-04	15,600	28.44	8.17	-127	0.33
MW-33-90	19-Mar-03	7,130	26.78	8.73	-192	0.00
	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
	06-May-04	9,750	27.30	7.64	9	2.30
	13-May-04	9,060	28.20	7.73	-42	3.10
	20-May-04	9,610	27.60	7.86	-53	2.80
	26-May-04	8,980	27.80	7.77	-171	3.20
	03-Jun-04	9,480	28.50	7.68	-61	3.10
	24-Jun-04	8,680	27.96	7.79	---	---
	01-Jul-04	9,800	28.30	7.62	-92	3.76
	08-Jul-04	8,600	28.50	7.68	-47	0.80
	14-Jul-04	12,700	28.50	7.66	-78	0.55
	22-Jul-04	11,300	28.70	7.69	-69	0.70
	28-Jul-04	8,310	28.35	7.47	-160	0.68
	05-Aug-04	9,900	28.46	7.21	34	0.98
	12-Aug-04	9,500	28.46	7.38	---	2.26
	20-Aug-04	9,230	27.81	7.34	-130	1.55
	26-Aug-04	8,200	28.63	7.41	-55	2.62
	08-Sep-04	8,540	28.55	7.31	-162	2.02
	21-Sep-04	8,620	28.32	8.23	-124	0.25
MW-34-55	16-Jun-03	11,500	23.18	7.93	-178	0.00

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-34-55	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
	29-Jan-04	8,690	22.85	7.35	-144	2.00
	05-Feb-04	8,710	22.66	7.41	-153	2.30
	12-Feb-04	7,900	22.21	7.39	-165	2.00
	18-Feb-04	10,900	22.75	7.51	-186	0.07
	18-Feb-04	11,200	23.05	7.55	-258	---
	26-Feb-04	13,100	22.34	7.45	-115	2.20
	04-Mar-04	---	23.21	7.38	-97	1.40
	11-Mar-04	---	24.00	7.70	-88	1.32
	17-Mar-04	12,200	23.27	7.28	-134	---
	24-Mar-04	14,500	23.70	7.36	-200	2.16
	31-Mar-04	11,000	24.30	7.25	-113	2.49
	07-Apr-04	11,100	23.30	7.32	-112	2.51
	15-Apr-04	10,400	24.00	7.18	-134	3.20
	22-Apr-04	12,300	23.10	7.19	-140	2.10
	29-Apr-04	11,100	23.10	7.26	-135	2.00
	06-May-04	11,100	23.50	7.22	-150	2.20
	13-May-04	10,000	23.50	7.26	-153	3.00
	19-May-04	9,500	23.90	7.77	-138	2.70
	27-May-04	10,400	23.40	7.42	---	2.30
	02-Jun-04	16,300	23.80	7.31	-141	2.40
	08-Jun-04	9,700	23.20	7.17	-63	2.90
	23-Jun-04	10,000	22.93	7.35	29	---
	30-Jun-04	10,200	23.05	7.36	-5	---
	07-Jul-04	9,280	23.50	7.04	-62	---
	14-Jul-04	9,390	23.30	7.30	-109	0.49
	21-Jul-04	9,670	24.60	7.36	-82	0.51
	27-Jul-04	9,110	23.40	7.54	-153	---
	04-Aug-04	9,600	23.25	7.24	-24	0.96
	11-Aug-04	10,600	23.53	7.19	-56	2.17
	19-Aug-04	8,920	23.05	6.98	-94	2.15
	22-Sep-04	9,410	22.94	7.68	-94	---
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
	29-Jan-04	11,500	22.82	7.68	-145	1.60
	05-Feb-04	13,200	22.65	7.74	-179	2.20

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-34-80	12-Feb-04	12,300	22.41	7.71	-184	2.10
	18-Feb-04	14,700	23.07	7.92	-259	---
	18-Feb-04	15,400	22.83	7.93	-125	0.61
	26-Feb-04	26,900	22.32	7.76	-40	2.90
	05-Mar-04	---	22.90	7.74	73	1.40
	11-Mar-04	---	23.78	7.97	-63	1.01
	17-Mar-04	15,500	23.07	7.50	-112	---
	25-Mar-04	15,300	24.00	7.58	-135	2.50
	01-Apr-04	14,000	25.00	7.56	-77	2.35
	08-Apr-04	---	23.26	6.85	-31	---
	16-Apr-04	13,400	24.20	7.26	-83	2.20
	22-Apr-04	14,400	23.60	7.22	-81	2.10
	29-Apr-04	15,400	23.50	7.30	-101	2.00
	06-May-04	15,600	24.20	7.22	-97	2.00
	13-May-04	14,400	24.70	7.28	-107	3.20
	20-May-04	15,900	23.90	7.39	-92	2.50
	27-May-04	14,700	24.30	7.41	---	2.40
	02-Jun-04	15,000	24.40	7.27	-81	2.80
	08-Jun-04	13,700	23.80	7.19	-26	2.80
	23-Jun-04	14,500	23.95	7.32	-20	---
	30-Jun-04	14,900	23.47	7.29	18	---
	07-Jul-04	14,600	24.50	7.00	-126	---
	15-Jul-04	19,400	23.90	7.14	-74	---
	21-Jul-04	19,400	24.40	7.27	-77	---
	27-Jul-04	13,300	24.30	7.46	-170	---
	05-Aug-04	16,400	23.72	6.78	-32	0.76
	12-Aug-04	15,500	23.56	6.95	-216	1.96
	20-Aug-04	14,300	23.46	6.93	-171	1.48
	26-Aug-04	12,700	23.55	7.03	-154	2.63
	08-Sep-04	13,000	23.95	6.89	-194	2.34
	23-Sep-04	13,100	22.85	7.98	-82	---
MW-35-060	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
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
MW-36-020	18-May-04	11,700	26.10	7.34	-265	3.50
	15-Jun-04	11,000	26.56	7.32	-182	---
	21-Sep-04	16,900	27.30	7.32	-179	4.93
MW-36-040	18-May-04	9,420	26.70	7.31	-271	3.20
	16-Jun-04	8,890	27.77	7.24	-192	---
	21-Sep-04	8,800	27.24	7.45	-185	5.06

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
MW-36-050	19-May-04	8,606	26.50	6.30	-32	2.15
	17-Jun-04	9,500	26.80	7.24	-219	3.74
	21-Sep-04	7,370	27.02	7.39	-191	4.89
MW-36-070	19-May-04	12,770	27.06	6.44	-88	0.63
	17-Jun-04	13,300	27.10	6.98	-201	3.90
	22-Sep-04	10,900	26.04	6.96	-151	3.95
MW-36-090	18-May-04	15,300	27.20	7.58	-53	2.50
	15-Jun-04	16,000	27.05	7.51	103	7.48
	23-Sep-04	15,100	27.17	7.65	67	---
MW-36-100	21-May-04	15,900	26.20	8.17	-134	2.50
	15-Jun-04	16,500	26.39	7.88	-85	---
	26-Aug-04	14,400	26.84	7.53	-82	3.09
	09-Sep-04	14,800	26.81	7.54	-109	2.72
	23-Sep-04	15,000	26.23	8.64	-50	---
MW-37D	19-May-04	14,000	30.70	8.42	-125	2.90
	11-Jun-04	13,800	30.65	7.62	-152	0.40
	24-Sep-04	11,900	30.39	7.49	-41	4.84
MW-37S	19-May-04	4,230	29.50	7.84	-106	3.60
	10-Jun-04	5,180	29.50	7.76	-60	4.09
	23-Sep-04	4,380	29.58	7.46	16	5.48
MW-38D	05-May-04	24,900	30.80	7.96	4	2.20
	10-Jun-04	21,900	30.93	7.75	-61	0.48
	23-Sep-04	17,400	31.77	7.76	15	4.51
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
MW-39-040	20-May-04	5,495	27.20	7.20	-173	6.99
	18-Jun-04	6,470	27.80	7.59	-220	3.14
MW-39-050	20-May-04	6,983	27.34	7.07	331	2.69
	18-Jun-04	9,380	28.30	7.49	-40	3.48
MW-39-060	20-May-04	6,484	27.17	7.33	278	1.21
	18-Jun-04	7,700	28.30	7.80	-98	3.49
MW-39-070	20-May-04	8,438	27.60	7.16	230	---
	18-Jun-04	8,580	27.80	7.40	29	3.33
MW-39-080	20-May-04	11,480	27.24	6.98	332	6.68
	17-Jun-04	11,900	27.90	7.46	-12	4.80
MW-39-100	21-May-04	16,200	27.60	7.92	-2	4.60
	15-Jun-04	17,300	28.50	7.68	164	5.04
	23-Sep-04	14,200	27.87	8.49	15	2.14

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Monitoring Wells</b>						
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
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
Park-Moabi	18-Mar-03	1,200	21.24	8.54	---	---
	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
	04-Aug-04	1,480	35.76	7.66	47	6.71
	22-Sep-04	1,340	28.60	7.09	118	7.50
PGE-06	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-07	10-Dec-03	17,200	26.32	8.26	94	4.10
PGE-08	09-Dec-03	21,600	30.83	8.08	-269	2.10
TW-01	17-Mar-04	---	32.59	7.73	79	5.68
TW-2D	29-Jul-04	3,740	19.27	7.16	195	---
TW-2S	29-Jul-04	11,400	19.26	7.26	192	8.29
<b>Surface Water Stations</b>						
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	18-Sep-02	804	20.10	8.83	51	11.39
	12-Dec-02	1,009	13.75	9.15	---	---
	20-Mar-03	1,020	14.67	9.72	---	---
	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
I-3	18-Sep-02	813	19.20	8.60	23	10.84
	12-Dec-02	1,012	13.43	9.25	---	---
	19-Mar-03	804	13.55	5.67	---	---
	10-Jun-03	990	18.37	6.19	235	11.97

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Surface Water Stations</b>						
I-3	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
Needles-1	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
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
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
R-22	18-Sep-02	804	22.30	8.75	5	11.06
	12-Dec-02	1,068	14.00	9.32	---	---
	19-Mar-03	900	13.67	9.12	---	---
	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

**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (uS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Surface Water Stations</b>						
R-22	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
R-27	18-Sep-02	803	20.60	8.27	41	11.08
	12-Dec-02	1,003	13.65	9.42	---	---
	19-Mar-03	818	14.32	9.13	---	---
	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
	03-Mar-04	---	14.09	8.27	129	4.40
	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
R-28	18-Sep-02	804	20.30	8.40	40	10.11
	12-Dec-02	1,012	14.59	9.04	---	---
	19-Mar-03	1,020	14.51	9.02	---	---
	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
	03-Mar-04	---	13.61	8.24	131	3.60
	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
RRB	18-Sep-02	817	23.00	7.88	59	11.30
	12-Dec-02	4,078	14.60	8.69	---	---
	20-Mar-03	1,000	18.12	9.58	---	---
	11-Jun-03	1,040	22.05	8.96	-64	10.62
	08-Sep-03	964	25.52	7.80	143	11.10

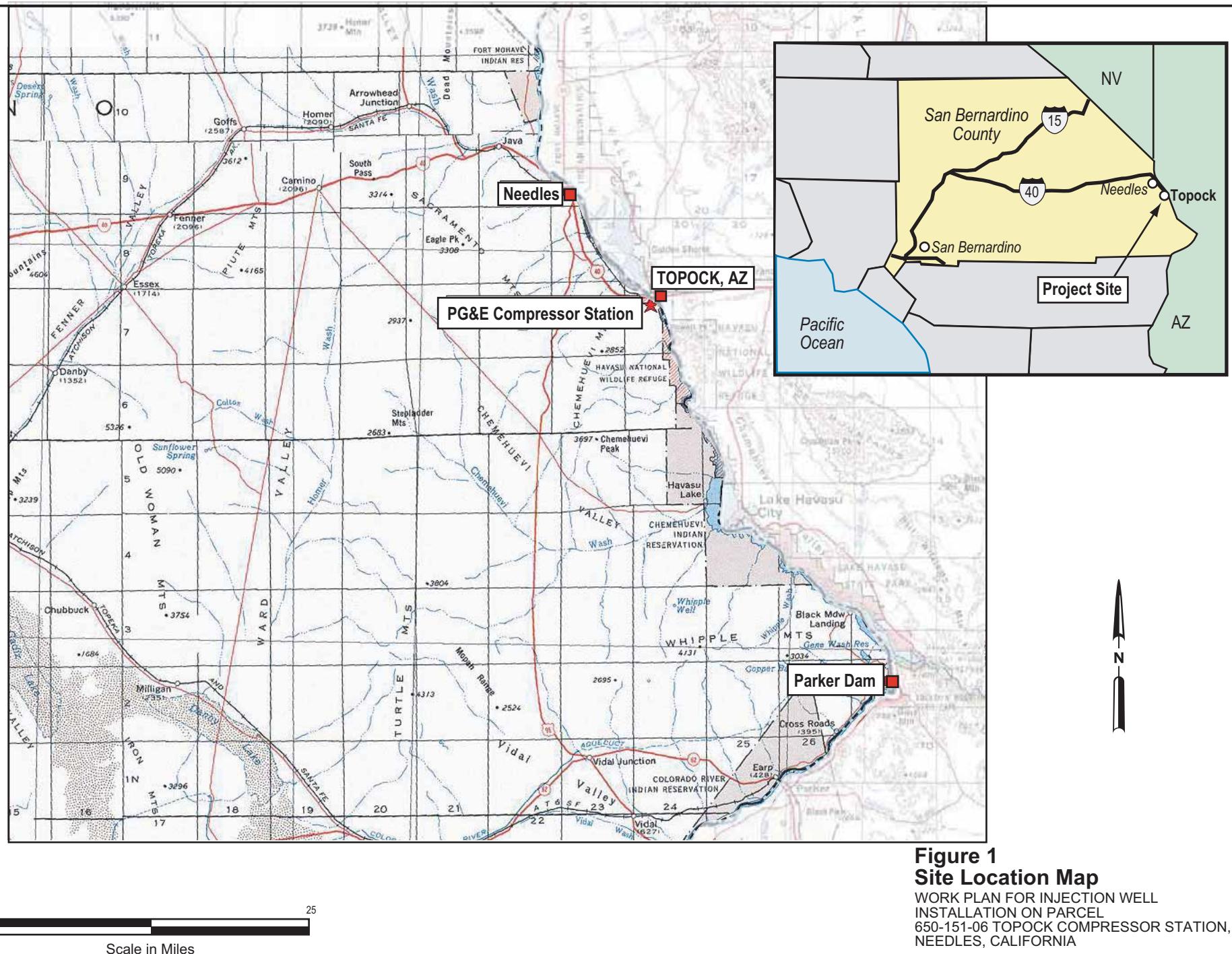
**Table 7**  
**Field Water Quality Measurements**  
**September 2002 through September 2004**  
**PG&E Topock Groundwater Monitoring Program**

Location	Sampling Date	Electrical Conductivity (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
<b>Surface Water Stations</b>						
RRB	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

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.

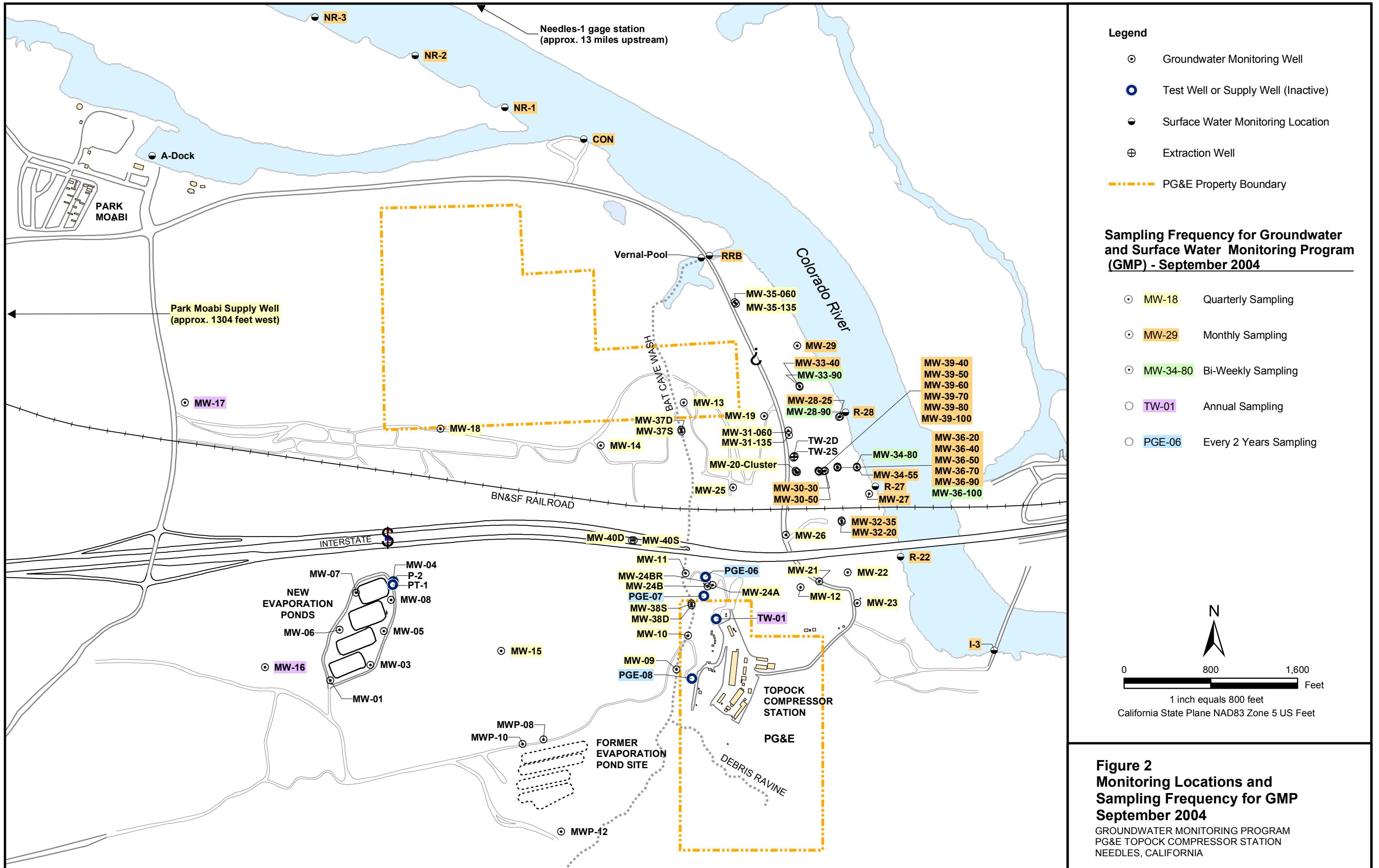
## **Figures**

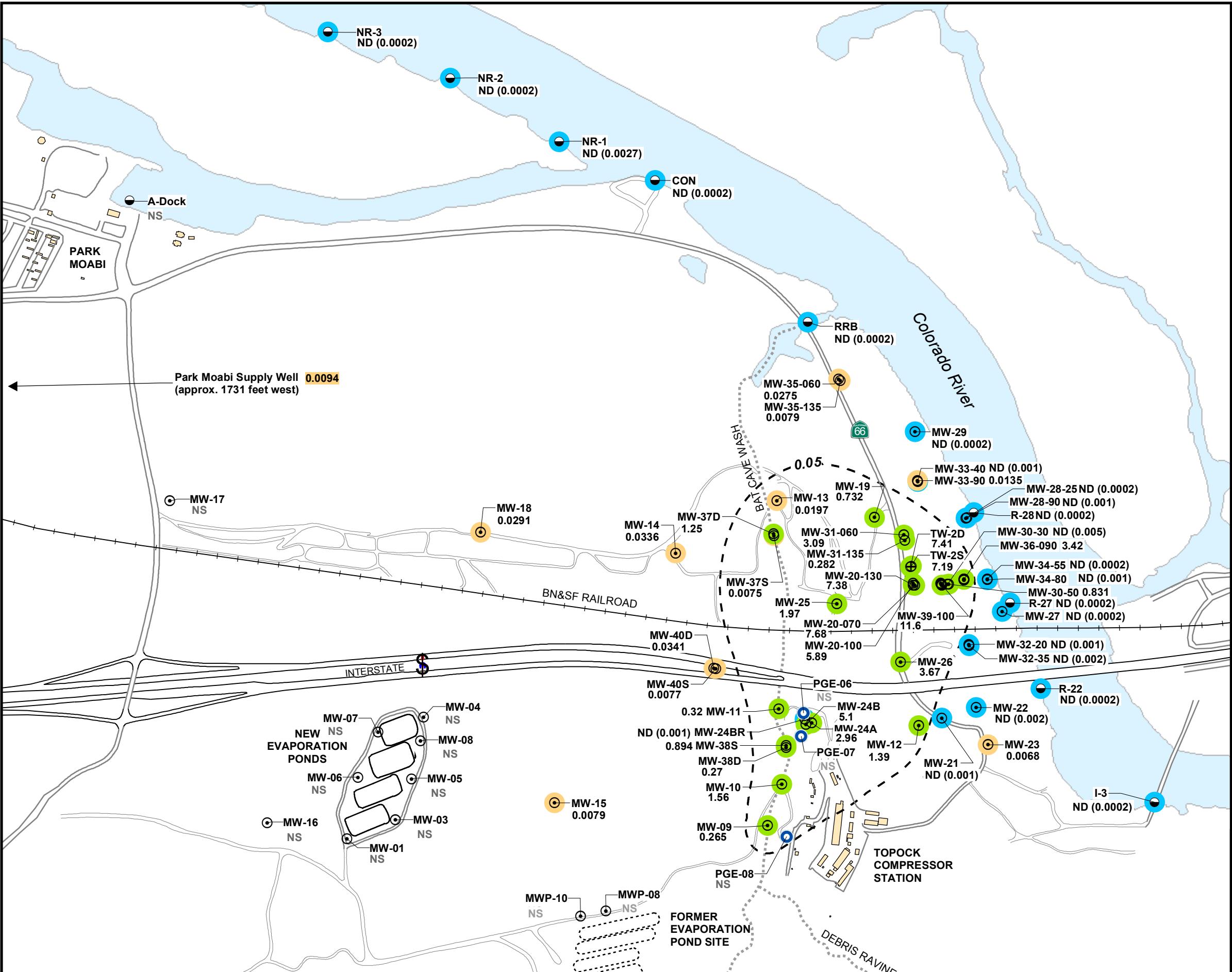


**Figure 1**  
**Site Location Map**

WORK PLAN FOR INJECTION WELL  
INSTALLATION ON PARCEL  
650-151-06 TOPOCK COMPRESSOR STATION,  
NEEDLES, CALIFORNIA

**CH2MHILL**





### Legend

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

Sampling conducted September 20-24, 2004

3.09 Concentration of hexavalent chromium [Cr(VI)] in milligrams per liter (mg/L)  
Results shown are maximum concentrations of primary and duplicate samples

For well clusters MW-36 and MW-39, results are listed for maximum concentration detected at well cluster. See Table 2 for results for other MW-36 and MW-39 wells.

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

NS Not sampled

### Cr(VI) Concentrations in Water Samples

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



0 750 1,500 Feet

**Figure 3**  
**Hexavalent Chromium Sampling Results**  
**September 2004 Quarterly Event**  
**Groundwater and Surface Water Monitoring**

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