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September 11, 2006

Mr. Chris Guerre
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5796 Corporate Avenue
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Subject: Second Quarter 2006 Groundwater and Surface Water Monitoring Report
PG&E Topock Compressor Station, Needles, California

Dear Mr. Guerre:

Enclosed is the Second Quarter 2006 groundwater and surface water monitoring report for the Topock project. This quarterly monitoring event was conducted by PG&E during May 1-9, 2006. The event included monitoring and sampling of 69 groundwater monitoring wells and 9 shoreline surface water locations along the Colorado River. The Second Quarter monitoring report also presents results for the in-channel Colorado River sampling conducted in June 2006. If you have any questions on the groundwater and surface water monitoring report, please call me at (805) 546-5243.

Sincerely,

Paul Butin for *Yvonne Meeks*

Enclosure

Groundwater and Surface Water Monitoring Report, Second Quarter 2006

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

Prepared for
**California Department of Toxic Substances
Control**

On Behalf of
Pacific Gas and Electric Company

September 11, 2006

CH2MHILL
155 Grand Avenue, Suite 1000
Oakland, CA 94612

**Groundwater and Surface Water Monitoring Report
Second Quarter 2006**

**PG&E Topock Compressor Station
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Pacific Gas and Electric Company**

September 11, 2006

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

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Acronyms and Abbreviations

| | |
|--------|---------------------------------------------------|
| CACA | Corrective Action Consent Agreement |
| CCR | California Code of Regulations |
| COC | constituent of concern |
| Cr(T) | total dissolved chromium |
| Cr(VI) | hexavalent chromium |
| DTSC | California Department of Toxic Substances Control |
| GMP | Groundwater and Surface Water Monitoring Program |
| IM | Interim Measures |
| µg/L | micrograms per liter |
| PG&E | Pacific Gas and Electric Company |
| QAPP | Quality Assurance Project Plan |
| QA/QC | quality assurance and quality control |
| RFI | RCRA facility investigation |
| SAP | Sampling and Analysis Plan |
| TDS | Total dissolved solids |
| TSS | Total suspended solids |
| USEPA | United States Environmental Protection Agency |

1.0 Introduction and Background

This report presents the results of the second quarter 2006 groundwater and surface water monitoring event conducted at Pacific Gas and Electric Company's (PG&E) Topock Compressor Station in May 2006. The Topock Groundwater and Surface Water Monitoring Program (GMP) is part of a Resource Conservation and Recovery Act facility investigation (RFI) being performed under a Corrective Action Consent Agreement (CAC) issued by the California Department of Toxic Substances Control (DTSC) in 1996 for the Topock site (United States Environmental Protection Agency [USEPA] ID No. CAT080011729). The Topock Compressor Station is located in eastern San Bernardino County, 15 miles southeast of the city of Needles, California, as shown on Figure 1.

1.1 Background

The groundwater and surface water monitoring activities at the Topock site were initiated in 1998 as a continuation of the RFI groundwater investigations (CH2M HILL 2005a). 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 described the scope, schedule, and sampling and analysis procedures for the GMP. Additionally, the SAP recommended modifications to the monitoring locations, analyses, and sampling frequency for the GMP. On August 26, 2004, PG&E received verbal DTSC approval to implement the sampling plan modifications proposed in the July 2004 SAP.

Before 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 analyzed in this quarterly GMP include the primary site COCs (Cr(VI), Cr(T), specific conductance, and pH), and the California Code of Regulations (CCR) 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 (DTSC 2004b), 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 analytical data from selected sampling locations near the pumping operation. Sample collection for the IM Performance Monitoring Program is performed as part of the GMP quarterly monitoring events.

The wells screened in the unconsolidated alluvial fan and fluvial deposits, which comprise the Alluvial Aquifer, have been separated into three depth intervals to present groundwater quality and groundwater level data. The depth intervals of the Alluvial Aquifer—designated upper, middle, and lower—are based on grouping the monitoring wells screened at common elevations and do not represent distinct hydrostratigraphic units or

separate aquifer zones. The subdivision of the aquifer into three depth intervals is an appropriate construct for presenting and evaluating groundwater quality data at the site. The three-interval concept is also useful for presenting and evaluating lateral gradients while minimizing effects of vertical gradients and observing the influence of pumping from partially-penetrating wells. It should be noted, however, that these divisions do not correspond to any lithostratigraphic layers within the aquifer. The Alluvial Aquifer is considered to be hydraulically undivided.

1.2 GMP Monitoring Frequency History

Several changes have been made to the sampling frequency under the GMP since the July 2004 SAP was prepared. These changes have included modification to the sampling frequency and the incorporation of new monitoring wells into the sampling program. An updated monitoring plan, describing the objectives, scope, and schedule for the GMP, was submitted to DTSC on April 11, 2005 (CH2M HILL 2005b). DTSC provided preliminary comments on May 24, 2005 (DTSC 2005a) that approved the inclusion of 11 additional monitoring wells in the GMP. DTSC has not yet provided final comments or approval of the April 2005 monitoring plan.

Table 1 presents a chronologic summary of agency requirements and directives issued between July 2004 (date of GMP SAP) and June 2006 regarding modifications to the sampling frequency for GMP monitoring wells.

TABLE 1
Topock GMP Monitoring Frequency Changes Through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Direction | Date | DTSC Approval ^a | New Frequency & Wells |
|----------------------------------------------------------------------------------------|-----------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Comments on July 2004 SAP | 1/25/2005 | DTSC 2005a | <u>Quarterly</u> Title 22 Metals: MW-10, MW-11, MW-12, MW-20-70, MW-20-130, MW-25, MW-34-55, MW-34-80, and MW-37D |
| IM Contingency Plan in response to MW-34-100 chromium levels | 2/16/2005 | DTSC 2005b | <u>Weekly</u> : MW-34-80, MW-34-100, MW-27-85, MW-27-60 <u>Weekly</u> (3 weeks): R-22, R-27, CON |
| Revised Contingency Plan sampling frequency | 5/5/2005 | DTSC 2005c | <u>Weekly</u> : MW-34-100 <u>Biweekly</u> : MW-27-85, MW-34-80 <u>Monthly</u> : MW-27-60 |
| Preliminary comments to Monitoring Plan; incorporation of new floodplain wells | 5/24/2005 | DTSC 2005d | <u>Weekly</u> : MW-34-100 <u>Biweekly</u> : MW-27-85 <u>Monthly</u> : MW-27-60, MW-33-150, MW-33-210, MW-42-30, MW-42-55, MW-42-65, MW-43-25, MW-43-75, MW-43-90 |
| Approval of sampling plan for depth-specific surface water sampling | 6/30/2005 | DTSC 2005e | <u>Quarterly</u> : C-CON, C-I-3, C-NR1, C-NR3, C-NR4, C-R22, C-R27, C-TAZ (monthly during low-river stages, usually November – January) |
| Reduction in sampling frequency through September 2005 due to health and safety issues | 7/20/2005 | DTSC 2005f | <u>Biweekly</u> : MW-34-100 <u>Monthly</u> : MW-27-85, MW-28-90, MW-33-150, MW-33-210, MW-34-80, MW-36-90, MW-36-100, MW-39-80, MW-39-100, MW-43-75, MW-43-90 |
| Modification to sitewide | 9/6/2005 | DTSC 2005g | <u>Monthly</u> : MW-27-85, MW-28-90, MW-33-210, |

TABLE 1
Topock GMP Monitoring Frequency Changes Through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Direction | Date | DTSC Approval ^a | New Frequency & Wells |
|---------------------------------------------------------------------------|-----------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| sampling frequency | | | MW-34-80, PE-1 <u>Quarterly:</u> MW-27-26, MW-27-20, MW-28-25, MW-29, MW-30-30, MW-30-50, MW-32-20, MW-32-35, MW-33-40, MW-33-90, MW-34-55, MW-36-20, MW-36-40, MW-36-50, MW-39-50, MW-39-60, MW-42-30, MW-42-35, MW-42-55, MW-42-65, TW-2D <u>Semiannually:</u> MW-9, MW-10, MW-11MW-15, MW-16, MW-17, MW-18, MW-24A, MW-24B, MW-38S, MW-38D, OW-3S, OW-3M, OW-3D <u>Biennial:</u> TW-1 |
| Addition of new depth-specific surface water station | 9/16/2005 | DTSC – e-mail | <u>Quarterly:</u> C-MAR (monthly during low-river stages, usually November – January) |
| Initial sampling with conditional approval of well installation work plan | 1/6/2006 | DTSC 2006a | <u>Monthly:</u> (3 months, April - June) MW-44-70, MW-44-115, MW-44-125, MW-46-175, MW-46-205 |
| Addition of monthly wells with PE-1 start approval | 1/26/2006 | DTSC 2006b | <u>Monthly:</u> MW-36-70, MW-39-70 |
| Initiation of biweekly sampling of two new wells | 3/17/2006 | DTSC – e-mail | <u>Biweekly:</u> MW-44-115, MW-44-125 |
| Transition of two wells to weekly sampling | 4/13/2006 | DTSC – phone | <u>Weekly:</u> MW-44-115, MW-44-125 |
| Establish concentration trend for new well | 4/25/2006 | DTSC – e-mail | <u>Biweekly:</u> MW-46-175 |
| Transition of two wells back to biweekly sampling | 5/19/2006 | DTSC – e-mail | <u>Biweekly:</u> MW-44-115, MW-44-125 |
| Interim sampling frequency for new wells | 5/25/2006 | DTSC – e-mail | <u>Biweekly:</u> MW-44-115, MW-44-125, MW-46-175 <u>Monthly:</u> MW-46-205 <u>Quarterly:</u> MW-44-70, MW-47-55, MW-47-115, MW-48, MW-49-135, MW-49-275, MW-49-365, MW-50-95, MW-50-200, MW-51, TW-4, TW-5 |
| Interim transition of two wells to quarterly sampling | 6/6/2006 | DTSC – e-mail | <u>Quarterly:</u> MW-43-75 and MW-43-90 |

^a Referenced approval letters are identified in Section 5.0.

Table includes monitoring frequency change directives in effect after the July 2004 SAP through June 2006.

1.3 Sampling Procedure Modification

At DTSC's request, in the spring of 2005, a chromium filtration comparison test was performed to evaluate the effects, if any, of field filtering versus laboratory filtering of samples collected for chromium analysis. The chromium results of groundwater samples collected from 16 wells during the March 2005 and April 2005 monthly monitoring events

were statistically analyzed and evaluated to determine the effects of the two filtering approaches. From the results of the filtration comparison test, it was recommended that samples analyzed for Cr(VI) by USEPA Methods 7199 and 7196A should be filtered in the laboratory, and samples analyzed for Cr(T) by USEPA Method 6010B should be filtered and preserved in the field after sample collection (CH2M HILL 2005c). In a June 2005 letter, DTSC agreed with the recommendations and directed the changes to be initiated for the July 2005 monthly event (DTSC 2005h). Since July 2005, all groundwater samples analyzed for Cr(T) by USEPA Method 6010B are being filtered and preserved in the field after sample collection.

1.4 Surface Water Monitoring Modification

In an April 26, 2005 letter (DTSC 2005i), DTSC directed PG&E to submit a revised Section 5.0 of the monitoring plan (CH2M HILL 2005b) to include a plan for depth-specific surface water sampling in the Colorado River. A *Revised Sampling Plan and Standard Operating Procedure for Depth-Specific Surface Water Sampling* was submitted to DTSC on May 16, 2005 (CH2M HILL 2005d). DTSC provided conditional approval and comments on the revised Section 5.0 on June 30, 2005 (DTSC 2005h). The *Revised Sampling Plan and Standard Operating Procedure* (CH2M HILL 2005e) that incorporated DTSC comments was submitted on July 13, 2005. The depth-specific surface water sampling program was initiated in July 2005 with eight in-channel stations and continued from September 2005 through June 2006 with nine in-channel stations (CH2M HILL 2005f). To date, the in-channel surface water sampling has occurred quarterly during normal river stages and monthly during low river stages (November 2005 through January 2006). The surface water monitoring program is currently being reevaluated, and revised surface water sampling frequencies will be proposed in the near future.

1.5 Access Routes

On September 14, 2005, *A Review of Access Routes for Groundwater and Surface Water Monitoring Locations, and Proposed Mitigation Procedures* (CH2M HILL 2005g) was submitted to DTSC outlining access route requirements to be followed at all monitoring wells at the site throughout the year. The access procedures for affected wells on the floodplain during the Southwestern willow flycatcher nesting season (typically May through September) were revised in April 2006 (CH2M HILL 2006a). Havasu National Wildlife Refuge and the Bureau of Land Management approved the modifications to the summer procedures in May 2006. These revised access procedures for the floodplain wells will continue to be observed during the summer monitoring events through September 2006. The access procedures from the September 2005 document will remain in effect for the other monitoring wells at the site.

1.6 Current GMP Monitoring Activity

Under the GMP, as of June 2006, samples are collected from monitoring wells and surface water stations according to the following schedule:

- Ninety-two monitoring wells are sampled semiannually (twice a year).

- Seventy-eight monitoring wells (including one active water supply well), nine shoreline surface water stations, and nine in-channel surface water stations are sampled quarterly.
- Sixteen monitoring wells on the floodplain, nine shoreline surface water stations, and nine in-channel surface water stations (during low river stages) are sampled monthly.
- Four monitoring wells on the floodplain are sampled biweekly (every 2 weeks).
- Four inactive supply wells are sampled biennially (every 2 years).

New wells installed during the spring of 2006 have been incorporated into the GMP program. Figure 2 shows the locations and sampling frequencies of the monitoring wells in the GMP as of June 2006, as well as the locations of the PG&E Topock Compressor Station and other site features. Table 2 (provided at the end of the document) summarizes information on well construction and sampling methods for all wells in the GMP and other monitoring wells at the site. Figure 3 presents the locations of the shoreline and depth-specific surface water sampling locations as of June 2006.

2.0 Second Quarter 2006 Monitoring Activities

This section provides a summary of the monitoring and sampling activities completed during the second quarter 2006 reporting period and the specific groundwater and surface water analyses performed for the second quarter monitoring event.

2.1 Summary of Monitoring and Sampling

The second quarter 2006 monitoring event was conducted from May 1 through 9, 2006 and consisted of:

- Sixty-nine groundwater monitoring wells and nine shoreline surface water stations (Figure 2) were sampled for analysis of Cr(VI), Cr(T), specific conductance, and pH.
- Nine wells were sampled for analysis of the full list of CCR Title 22 metals, in accordance with the July 2004 SAP.
- Fourteen wells and two surface water locations were sampled for the analysis of IM performance monitoring parameters: total dissolved solids (TDS), oxygen 18, deuterium, chloride, sulfate, nitrate, bromide, alkalinity, calcium, magnesium, potassium, sodium, and boron.
- Nine in-channel surface water stations were sampled from June 15 through 16, 2006 for analysis of Cr(VI), Cr(T), specific conductance, pH, hardness, TDS, and total suspended solids (TSS). All of the in-channel stations were sampled at three depths, except for station C-MAR, where one depth could not be sampled due to the shallow water column.
- Duplicate samples were collected at eight monitoring wells (MW-13, MW-25, MW-33-90, MW-34-100, MW-37S, MW-40S, MW-41S, and MW-44-115) to assess field sampling and analytical procedures.
- A sitewide groundwater level survey was performed on June 14, 2006 to generate a groundwater elevation contour map of the shallow-depth interval of the alluvial aquifer for the second quarter 2006.

The sampling procedures, field documentation of sampling, water level measurements, and field water quality monitoring were performed in accordance with the July 2004 SAP (CH2M HILL 2004a) and the *Sampling, Analysis, and Field Procedures Manual, Revision 1*, dated March 31, 2005 (CH2M HILL 2005h).

During the second quarter 2006 monitoring period, other monitoring events conducted in addition to the quarterly event were: two monthly sampling events (April and June), four biweekly sampling events, two weekly events, and one in-channel surface water event (June). The results of these other monitoring events have been issued in periodic data reports to DTSC during the reporting period.

The results of the initial sampling conducted for the 17 new IM wells drilled during the early part of 2006 are also presented in this quarterly report. The results of the initial sampling of these new IM wells were previously reported in the *Interim Measures 2006 Well Drilling Investigation Report* (CH2M HILL 2006b), with the exception of the stable isotope results for five monitoring wells. These isotope results and the rest of the general chemistry results for the new monitoring wells are presented in Appendix A.

The monitoring data presented in this report (Tables 3 through 9) include the results from all events in the second quarter 2006; however, only the data from the May 2006 quarterly event are discussed.

2.1.1 Site COC Analyses

All monitoring wells and surface water stations sampled during this event were analyzed for Cr(VI), Cr(T), specific conductance, and pH. The analyses for the site COC parameters were performed by Truesdail Laboratories, Inc., a California-certified analytical laboratory in Tustin, California. In accordance with 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 100 micrograms per liter ($\mu\text{g}/\text{L}$). The minimum reporting limit for Method SW 7196A for undiluted samples is 10 $\mu\text{g}/\text{L}$.
- Method SW 7199 was used for all surface water samples and all groundwater samples collected from monitoring wells where prior monitoring did not detect Cr(VI) concentrations above 100 $\mu\text{g}/\text{L}$. The minimum reporting limit for Cr(VI) using Method SW 7199 is 0.2 $\mu\text{g}/\text{L}$ for undiluted samples.
- Dissolved Cr(T) was analyzed using Method SW 6010B or Method SW 6020A. Both methods have a reporting limit of 1 $\mu\text{g}/\text{L}$ for undiluted samples.
- Method USEPA 218.6 (equivalent to Method SW 7199), with a reporting limit of 0.2 $\mu\text{g}/\text{L}$, was used for the Cr(VI) water analysis from the domestic supply well at Park Moabi.

2.1.2 Title 22 Metals

In addition to the site COCs, nine monitoring wells (MW-10, MW-11, MW-12, MW-20-70, MW-20-130, MW-25, MW-34-55, MW-34-80, and MW-37D) were sampled for the CCR Title 22 full list of metals. The Title 22 metals include antimony, arsenic, barium, beryllium, cadmium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc. As required by DTSC (DTSC 2005a), the groundwater samples for CCR Title 22 dissolved metals analyses were field-filtered. The metals analyses were performed by Emax Laboratories in Torrance, California.

2.1.3 IM Performance Monitoring

During the May 2006 monitoring event, 14 selected monitoring wells and two surface water locations were sampled and analyzed for specific parameters to monitor the performance and effects of IM pumping on groundwater chemistry in the floodplain area (CH2M HILL 2004b; DTSC 2004c). These monitoring wells and surface water stations included:

MW-20-70, MW-20-100, MW-20-130, MW-25, MW-26, MW-27-20, MW-28-25, MW-30-30, MW-30-50, MW-31-60, MW-32-20, MW-32-35, MW-34-55, MW-34-80, R-27, and R-28. The water samples were analyzed for:

- TDS (USEPA Method 160.1).
- Chloride, sulfate, nitrate and bromide (anions; USEPA Method 300.0).
- Dissolved calcium, magnesium, potassium, sodium, and boron (cations; Method SW 6010B or SW 6020A).
- Alkalinity (USEPA Method 310.1).
- Stable isotopes oxygen 18 and deuterium (CF-IRMS methods).

The performance monitoring parameter analyses were performed by Truesdail Laboratories, Inc., Emax Laboratories (cations, anions, and alkalinity), and Zymax Laboratory (San Luis Obispo, CA; stable isotopes).

2.1.4 In-channel Surface Water Analyses

Twenty-six depth-specific surface water samples were collected from the nine in-channel surface water stations. In addition to the site COCs, the depth-specific surface water samples were analyzed for:

- Hardness (USEPA Method 130.2).
- TDS (USEPA Method 160.1).
- TSS (USEPA Method 160.2).

The in-channel samples were analyzed for these parameters, pH, and specific conductance, by Emax Laboratories. Truesdail Laboratories performed the Cr(VI) and Cr(T) analyses for the in-channel samples.

3.0 Second Quarter 2006 Monitoring Results

This section summarizes the results of the groundwater and surface water sampling completed for the Topock GMP May 2006 quarterly monitoring event. Figure 2 shows the locations of the GMP monitoring wells. Figure 3 shows the locations of the shoreline and in-channel surface water monitoring stations in the Colorado River.

The monitoring results and data presented for the May 2006 quarterly event include site COCs, the IM performance monitoring parameters, CCR Title 22 metals, and additional in-channel surface water analytical parameters. Laboratory data quality review, water level measurements, and water quality field parameter data are also presented in this section. Complete laboratory reports and analytical documentation are maintained in the project file and are available upon request.

3.1 Site COC Analytical Results

3.1.1 Groundwater

Table 3 presents the results for chromium and other site COCs in groundwater samples collected during this quarterly event and prior events from the past year. In May 2006, the maximum detected Cr(VI) concentration was 12,000 µg/L, and the maximum detected Cr(T) concentration was 13,700 µg/L, both at well MW-20-130. Overall, the May 2006 chromium results are consistent with prior results (Table 3).

3.1.2 Surface Water

Table 4 presents the results of chromium and other analytes in shoreline surface water samples collected during the May quarterly event and prior events from the last year. Cr(VI) and Cr(T) were not detected in any of the water samples collected at the nine shoreline surface water stations during the second quarter.

Table 5 presents the results of chromium, other site COCs, TDS, TSS, and hardness analyses for the in-channel surface water sampling events performed from July 2005 through June 2006. Cr(VI) and Cr(T) were not detected in any of the water samples collected at the nine depth-specific surface water stations during the second quarter.

3.1.3 Hexavalent Chromium Results

Figures 4A through 4C present the Cr(VI) results for wells monitoring the upper, middle, and lower depth intervals of the Alluvial Aquifer, respectively, from the quarterly sampling event and initial sampling of new monitoring wells in May. Figures 4A through 4C also show the approximate outline of the areas where Cr(VI) was detected in samples at concentrations greater than 50 µg/L (the California drinking water standard for total chromium). The Cr(VI) results for the shoreline surface water sampling during the quarterly event are shown on Figure 4A.

The approximate outlines of wells with Cr(VI) greater than 50 µg/L Cr(VI) in the upper and middle depth intervals (Figures 4A and 4B) remain the same as the previous quarterly monitoring event. In the lower depth interval (Figure 4C), the 50 µg/L Cr(VI) outline in the floodplain area has been revised to incorporate data from new monitoring wells and water quality trends observed in the area, consistent with the Cr(VI) distribution maps presented in the May and June 2006 IM performance monitoring reports (CH2M HILL 2006c).

Hexavalent chromium concentration results in MW-34-100 in the second quarter indicate an increasing trend (Table 3). MW-34-100 is the only well within the capture zone of the IM pumping that showed an increasing trend in concentration during the past year. Declining or stable concentration trends continue to be observed in the MW-31 and MW-39 well clusters. This is likely a response to IM pumping. Declining trends are also apparent in wells MW-25 and MW-38D.

During May 2006 sampling, the Cr(VI) concentration in the groundwater sample from the water supply well at Park Moabi was 9.6 µg/L, which is comparable with prior results (Table 3).

3.2 Additional Analytes Results

3.2.1 IM Performance Monitoring

Table 6 presents the results of the general chemistry and stable isotope analyses for the 14 monitoring wells and two surface-water stations in the IM performance monitoring area from March 2004 through June 2006. The general chemistry and stable isotope data collected under the GMP are used to assess water quality conditions and data trends in the IM performance monitoring floodplain area. This assessment is presented in the Performance Monitoring Reports (CH2M HILL 2006c).

3.2.2 CCR Title 22 Metals

Table 7 presents the CCR Title 22 metal results for the GMP monitoring wells sampled from September 2004 through June 2006. In addition to Cr(T), the trace metals detected in the May 2006 groundwater sampling event were arsenic, barium, cobalt, copper, lead, molybdenum, nickel, selenium, vanadium, and zinc. Excluding Cr(T) and arsenic, the dissolved concentrations of the trace metals detected during the May 2006 monitoring event are below the respective California drinking water standards. Arsenic was either non-detect or detected at concentrations below the California and federal maximum contaminant level in all wells, except in well MW-12.

3.3 Analytical Data Quality Review

The laboratory analytical data generated from the May 2006 quarterly monitoring event were independently reviewed by project chemists to assess data quality and to identify deviations from analytical requirements. The quality assurance and quality control (QA/QC) requirements are outlined in the Quality Assurance Project Plan (QAPP) for the PG&E Topock Program, which is Appendix D of the *Sampling, Analysis, and Field Procedures Manual, Revision 1* (CH2M HILL 2005h). A detailed discussion of data quality for the GMP

sampling data is presented in the data validation reports, which are kept in the project file and are available upon request.

As discussed below, the completeness objectives were met for all method and analyte combinations. No significant analytical deficiencies were identified in the May 2006 quarterly monitoring data. With minor exceptions (noted below), the analyses and data quality met the laboratory method quality control acceptance criteria. Overall, the analytical data for the May 2006 quarterly monitoring event are considered acceptable for the 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, which affected the sensitivity for Cr(VI) when using Method SW 7199. Results from 24 wells reflect adjusted reporting limits (Table 3) as a result of serial dilutions that were required to overcome the matrix interference and provide acceptable matrix spike recoveries.

Quantitation and Sensitivity: All method and analyte combinations met the project reporting limit objectives, with the exception of the matrix interference issue explained above, and the method blank issue explained below.

Holding Time Data Qualification: All method holding time requirements were met, with the exception of MW-24BR, which exceeded the holding time requirement for Method 7199. The sample result was rejected and the monitoring well was resampled on June 5, 2006, for Cr(VI) analysis.

Method Blanks: All method blank criteria were met with the following exception: the dissolved potassium analyses associated with R-27 and R-28 were outside acceptance criteria, and the results were qualified as estimated (J flagged).

Calibration: All initial and continuing instrument calibration criteria were met.

Matrix Spike Sample: All matrix spike acceptance criteria were met, with the following exception: the dissolved chromium Title 22 analysis for MW-37D was outside acceptance criteria, and the result was qualified as estimated (J flagged).

Chain of Custody: Each sample was documented in a completed chain of custody and received at the laboratory in good condition. All discrepancies identified in laboratory custody were promptly resolved.

Field Duplicates: All field duplicates acceptance criteria were met.

Laboratory Control and Duplicate Samples: All laboratory control samples and laboratory duplicate criteria were met, with the following exception: the laboratory control samples associated with dissolved zinc analyses for MW-20-70 and MW-20-130 were outside acceptance criteria, and the results were qualified as estimated (J flagged).

3.4 Water Level Monitoring

Table 8 presents the water level measurements and groundwater and surface water elevations from the May 2006 monitoring event and prior events in the past year. Table 8 also lists salinity data for the wells where water levels were measured. Groundwater salinity

during this monitoring event ranged from 0.05 percent (MW-27-20) to 3.65 percent (well MW-30-30)—a range that is consistent with results of prior monitoring. To account for the groundwater density differences between wells with different salinities, all groundwater elevations measured in the monitoring wells have been normalized to an equivalent freshwater head.

Since March 2004, a network of pressure transducers has been used to collect continuous records of water elevation data in the Alluvial Aquifer (floodplain and IM No. 3 injection areas) and the Colorado River for the analysis and assessment of hydraulic data. This network currently includes over 70 transducers. This monitoring is ongoing and is being reported as part of the IM activities. The groundwater elevation data and hydraulic gradients measured in the floodplain area are evaluated monthly and presented in the IM performance monitoring reports (CH2M HILL 2006c).

Beginning in June 2005 at DTSC's direction (DTSC 2005i), a sitewide water level data set has been collected quarterly to construct a groundwater elevation contour map for the shallow, upper depth interval of the Alluvial Aquifer. During the second quarter event, a sitewide water level survey was conducted on June 14, 2006. This survey involved the manual collection of groundwater level data at 32 shallow wells within a 4-hour period. Figure 5 presents the groundwater elevation contours for the upper depth interval of the Alluvial Aquifer (shallow monitoring wells). Groundwater elevations from pressure transducers in selected wells were used to prepare the June 14 groundwater elevation map. Because groundwater levels at the site fluctuate continuously in response to changes in the river stage, these groundwater elevation contours reflect transient conditions at the time of measurement and may not be representative of the average groundwater flow directions.

3.5 Field Parameter Data

A field water quality meter and flow-through cell were used to measure parameters during well purging and groundwater sampling (CH2M HILL 2004a, 2005b). Water quality field measurements were also recorded during surface water sampling. Table 9 summarizes the field water quality data collected (specific conductance, temperature, pH, oxidation-reduction potential, and dissolved oxygen) during the May 2006 quarterly event and prior monitoring events. Field data sheets and chain of custody records for the May quarterly event are presented in Appendix B.

4.0 Status of Monitoring Activities

This section summarizes the scope and status of ongoing and future monitoring activities scheduled for the Topock GMP. The access procedures for the Southwestern willow flycatcher nesting season in 2006 (CH2M HILL 2006a) will remain in effect during the summer monitoring events through September 2006.

DTSC is currently in the process of re-evaluating the GMP monitoring well sampling frequencies. It is anticipated that DTSC will issue direction regarding the revised sampling frequency some time during the third quarter 2006. When that direction is received, the revised sampling frequency for groundwater monitoring will be implemented immediately.

The surface water monitoring program is also currently being re-evaluated, and PG&E will be proposing a revised sampling frequency for surface water stations. It is anticipated that the surface water monitoring program will continue through 2006 in accordance with a DTSC-approved revised surface water sampling frequency.

4.1 Quarterly Monitoring – Third Quarter 2006 Event

The third quarter 2006 monitoring event is scheduled to be conducted in October 2006. The groundwater and surface water monitoring report for the third quarter 2006 GMP event will be submitted approximately 10 to 12 weeks after sampling completion.

4.2 Monthly Monitoring

The third quarter 2006 monthly monitoring events are to be conducted during July, August, and September 2006. Monthly monitoring events currently include 16 monitoring wells, including four monitoring wells with interim sampling frequencies (Table 1).

4.3 Biweekly Well Sampling

Biweekly sampling of MW-34-100 and interim biweekly sampling of MW-44-115, MW-44-125, and MW-46-175 will continue through the third quarter 2006, or as directed by DTSC.

The results of the biweekly and monthly well sampling are presented in the IM performance monitoring reports (CH2M HILL 2006c).

5.0 References

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- _____. 2006a. Letter to PG&E. "Conditional Approval of the Draft Well Installation Work Plan for Interim Measures Performance Monitoring Program, Dated November 30, 2005, Pacific Gas & Electric Company, Topock Compressor Station, Needles, California." January 6.
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Tables

TABLE 2

Well Construction and Sampling Summary, June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Site Area | Measuring Point Elevation (ft MSL) | Screen Interval (ft bgs) | Well Casing (inches) | Well Depth (ft bgs) | Depth to Water (ft btoc) | Sampling System | Typical Purge Rate (gpm) | Typical Purge Volume (gallons) | Remarks |
|-----------------------------|--------------------|------------------------------------|--------------------------|----------------------|---------------------|--------------------------|------------------|--------------------------|--------------------------------|--------------------------------------------------|
| GMP Monitoring Wells | | | | | | | | | | |
| MW-09 | Bat Cave Wash | 536.56 | 77 - 87 | 4 in PVC | 89.4 | 79.6 | CD pump | 3 | 11 | |
| MW-10 | Bat Cave Wash | 530.65 | 74 - 94 | 4 in PVC | 96.9 | 73.9 | CD pump | 5 | 40 | |
| MW-11 | Bat Cave Wash | 522.61 | 62.5 - 82.5 | 4 in PVC | 86.1 | 65.9 | CD pump | 5 | 30 | |
| MW-12 | East of Station | 484.01 | 27.5 - 47.5 | 4 in PVC | 50.4 | 27.9 | Temp. pump | 3 | 40 | |
| MW-13 | Bat Cave Wash | 488.64 | 28.5 - 48.5 | 4 in PVC | 52.0 | 32.0 | CD pump | 4 | 30 | |
| MW-14 | East Mesa | 570.99 | 111 - 131 | 4 in PVC | 133.8 | 114.0 | CD pump | 4 | 30 | |
| MW-15 | East of New Ponds | 641.52 | 180.5 - 200.5 | 4 in PVC | 203.0 | 184.2 | CD pump | 5 | 30 | |
| MW-16 | Near New Ponds | 657.31 | 198 - 218 | 4 in PVC | 218.1 | 199.9 | CD pump | 7 | 35 | |
| MW-17 | West of Mesa Area | 589.96 | 130 - 150 | 4 in PVC | 153.6 | 132.5 | CD pump | 5 | 32 | |
| MW-18 | West Mesa | 545.32 | 85 - 105 | 4 in PVC | 106.7 | 88.0 | CD pump | 5 | 30 | |
| MW-19 | Route 66 | 499.92 | 46 - 66 | 4 in PVC | 65.8 | 43.6 | CD pump | 7 | 41 | |
| MW-20-070 | MW-20 bench | 500.15 | 50 - 70 | 4 in PVC | 69.6 | 44.9 | CD pump | 10 | 53 | |
| MW-20-100 | MW-20 bench | 500.58 | 89.5 - 99.5 | 4 in PVC | 101.4 | 46.4 | CD pump | 10 | 110 | |
| MW-20-130 | MW-20 bench | 500.66 | 121 - 131 | 4 in PVC | 132.3 | 47.0 | CD pump | 10 | 180 | |
| MW-21 | Route 66 | 505.55 | 39 - 59 | 4 in PVC | 58.5 | 49.6 | CD pump | 10 | 10 | low recharge well; purges dry at 1 casing volume |
| MW-22 | Floodplain | 460.72 | 5.5 - 10.5 | 2 in PVC | 12.4 | 5.6 | Peristaltic | 0.2 | 4 | |
| MW-23 | East of Station | 507.33 | 60 - 80 | 4 in PVC | 81.4 | 51.8 | CD Pump | 5 | 20 | low recharge well; purges dry at 1 casing volume |
| MW-24A | MW-24 Bench | 567.16 | 104 - 124 | 4 in PVC | 127.5 | 110.5 | CD pump | 3 | 30 | |
| MW-24B | MW-24 Bench | 564.76 | 193 - 213 | 4 in PVC | 214.8 | 108.8 | CD pump | 7 | 210 | |
| MW-24BR | MW-24 Bench | 563.95 | 378 - 437 | 4 in PVC | 441.0 | 102.1 | CD pump | 8 | 185 | low recharge well; purges dry at 1 casing volume |
| MW-25 | Near Bat Cave Wash | 542.90 | 84.5 - 104.5 | 4 in PVC | 106.5 | 86.7 | CD pump | 5 | 32 | |
| MW-26 | Route 66 | 502.22 | 51.5 - 71.5 | 2 in PVC | 70.1 | 46.3 | CD pump | 7 | 50 | |
| MW-27-020 | Floodplain | 460.56 | 7 - 17 | 2 in PVC | 14.4 | 4.1 | Temp. pump | 1 | 7 | |
| MW-27-060 | Floodplain | 461.38 | 47.3 - 57.3 | 2 in PVC | 59.0 | 5.8 | Ded. Redi-Flo AR | 2 | 25 | |
| MW-27-085 | Floodplain | 460.99 | 77.5 - 87.5 | 2 in PVC | 80.0 | 6.7 | Ded. Redi-Flo AR | 2 | 36 | |
| MW-28-025 | Floodplain | 466.85 | 13 - 23 | 2 in PVC | 21.1 | 10.6 | Ded. Redi-Flo AR | 1 | 5 | |
| MW-28-090 | Floodplain | 467.51 | 70 - 90 | 2 in PVC | 98.4 | 11.5 | Ded. Redi-Flo AR | 2 | 50 | |
| MW-29 | Floodplain | 485.21 | 29.5 - 39.5 | 2 in PVC | 41.5 | 29.2 | Temp. pump | 0.5 | 6 | |
| MW-30-030 | Floodplain | 468.12 | 12 - 32 | 2 in PVC | 26.9 | 13.1 | Ded. Redi-Flo AR | 1 | 10 | |
| MW-30-050 | Floodplain | 468.81 | 40 - 50 | 4 in PVC | 52.6 | 13.3 | Ded. Redi-Flo AR | 2 | 75 | |
| MW-31-060 | MW-20 Bench | 496.81 | 41.5 - 61.5 | 4 in PVC | 64.0 | 40.7 | CD pump | 10 | 40 | |
| MW-31-135 | MW-20 Bench | 498.11 | 113 - 133 | 2 in PVC | 135.4 | 43.0 | Redi-Flo AR | 3 | 60 | |
| MW-32-020 | Floodplain | 461.51 | 10 - 20 | 2 in PVC | 19.6 | 6.3 | Ded. Redi-Flo AR | 1.5 | 6 | |

TABLE 2

Well Construction and Sampling Summary, June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Site Area | Measuring Point Elevation (ft MSL) | Screen Interval (ft bgs) | Well Casing (inches) | Well Depth (ft bgs) | Depth to Water (ft btoc) | Sampling System | Typical Purge Rate (gpm) | Typical Purge Volume (gallons) | Remarks |
|-----------------------------|---------------|------------------------------------|--------------------------|----------------------|---------------------|--------------------------|------------------|--------------------------|--------------------------------|---------|
| GMP Monitoring Wells | | | | | | | | | | |
| MW-32-035 | Floodplain | 461.63 | 27.5 - 35 | 4 in PVC | 37.2 | 6.1 | Ded. Redi-Flo AR | 2 | 60 | |
| MW-33-040 | Floodplain | 487.38 | 29 - 39 | 4 in PVC | 41.8 | 31.9 | Temp. pump | 0.5 | 4 | |
| MW-33-090 | Floodplain | 487.55 | 69 - 89 | 4 in PVC | 88.3 | 32.1 | Ded. Redi-Flo AR | 2 | 110 | |
| MW-33-150 | Floodplain | 487.77 | 132 - 152 | 2 in PVC | 155.0 | 32.3 | Redi-Flo AR | 3 | 60 | |
| MW-33-210 | Floodplain | 487.25 | 190 - 210 | 2 in PVC | 223.0 | 32.6 | Ded. Redi-Flo AR | 3 | 90 | |
| MW-34-055 | Floodplain | 460.95 | 45 - 55 | 4 in PVC | 56.6 | 4.8 | Ded. Redi-Flo AR | 2 | 100 | |
| MW-34-080 | Floodplain | 461.20 | 73 - 83 | 4 in PVC | 84.3 | 5.9 | Ded. Redi-Flo AR | 3 | 150 | |
| MW-34-100 | Floodplain | 460.96 | 89.5 - 99.5 | 2 in PVC | 117.0 | 7.8 | Ded. Redi-Flo AR | 2 | 55 | |
| MW-35-060 | Route 66 | 484.19 | 41 - 61 | 2 in PVC | 56.8 | 27.2 | Redi-Flo AR | 2 | 18 | |
| MW-35-135 | Route 66 | 483.57 | 116 - 136 | 2 in PVC | 158.7 | 28.1 | Redi-Flo AR | 3 | 66 | |
| MW-36-020 | Floodplain | 469.26 | 10 - 20 | 1 in PVC | 22.7 | 13.8 | Peristaltic | 0.5 | 4 | |
| MW-36-040 | Floodplain | 469.61 | 30 - 40 | 1 in PVC | 42.8 | 14.4 | Peristaltic | 0.5 | 4 | |
| MW-36-050 | Floodplain | 469.60 | 46 - 51 | 1 in PVC | 53.3 | 14.9 | Peristaltic | 0.75 | 5 | |
| MW-36-070 | Floodplain | 469.25 | 60 - 70 | 1 in PVC | 72.5 | 14.0 | Peristaltic | 0.5 | 7 | |
| MW-36-090 | Floodplain | 469.61 | 80 - 90 | 1 in PVC | 92.5 | 15.0 | Peristaltic | 0.4 | 10 | |
| MW-36-100 | Floodplain | 469.64 | 88 - 98 | 2 in PVC | 110.2 | 15.0 | Ded. Redi-Flo AR | 2 | 45 | |
| MW-37D | Bat Cave Wash | 486.19 | 180 - 200 | 2 in PVC | 226.7 | 30.7 | Redi-Flo AR | 3 | 100 | |
| MW-37S | Bat Cave Wash | 485.97 | 64 - 84 | 2 in PVC | 87.0 | 30.4 | Redi-Flo AR | 2 | 30 | |
| MW-38D | Bat Cave Wash | 525.31 | 163 - 183 | 2 in PVC | 190.9 | 70.9 | Redi-Flo AR | 3 | 60 | |
| MW-38S | Bat Cave Wash | 525.51 | 75 - 95 | 2 in PVC | 98.1 | 69.4 | Redi-Flo AR | 1 | 13 | |
| MW-39-040 | Floodplain | 468.02 | 30 - 40 | 1 in PVC | 42.1 | 12.4 | Peristaltic | 0.5 | 3.5 | |
| MW-39-050 | Floodplain | 467.93 | 47 - 52 | 1 in PVC | 54.6 | 12.6 | Peristaltic | 0.5 | 5 | |
| MW-39-060 | Floodplain | 468.00 | 49 - 59 | 1 in PVC | 66.3 | 12.9 | Peristaltic | 0.5 | 6 | |
| MW-39-070 | Floodplain | 468.02 | 60 - 70 | 1 in PVC | 71.7 | 13.5 | Peristaltic | 0.5 | 7 | |
| MW-39-080 | Floodplain | 467.92 | 70 - 80 | 1 in PVC | 82.6 | 13.7 | Peristaltic | 0.5 | 9 | |
| MW-39-100 | Floodplain | 468.01 | 80 - 100 | 2 in PVC | 117.7 | 13.7 | Ded. Redi-Flo AR | 2 | 45 | |
| MW-40D | I-40 Median | 566.08 | 240 - 260 | 2 in PVC | 266.0 | 110.4 | Redi-Flo AR | 3 | 75 | |
| MW-40S | I-40 Median | 566.04 | 115 - 135 | 2 in PVC | 134.0 | 109.4 | Redi-Flo AR | 2 | 13 | |
| MW-41D | Bat Cave Wash | 479.42 | 271 - 291 | 2 in PVC | 313.0 | 23.8 | Redi-Flo AR | 3 | 145 | |
| MW-41M | Bat Cave Wash | 479.83 | 170 - 190 | 2 in PVC | 192.4 | 23.7 | Redi-Flo AR | 3 | 85 | |
| MW-41S | Bat Cave Wash | 480.07 | 40 - 60 | 2 in PVC | 61.6 | 23.3 | Redi-Flo AR | 2 | 42 | |
| MW-42-030 | Floodplain | 463.81 | 9.8 - 29.8 | 2 in PVC | 32.0 | 8.6 | Redi-Flo AR | 2 | 28 | |
| MW-42-055 | Floodplain | 463.87 | 42.5 - 52.5 | 2 in PVC | 56.0 | 8.0 | Redi-Flo AR | 3 | 21 | |

TABLE 2

Well Construction and Sampling Summary, June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Site Area | Measuring Point Elevation (ft MSL) | Screen Interval (ft bgs) | Well Casing (inches) | Well Depth (ft bgs) | Depth to Water (ft btoc) | Sampling System | Typical Purge Rate (gpm) | Typical Purge Volume (gallons) | Remarks |
|------------------------------------|-----------------|------------------------------------|--------------------------|----------------------|---------------------|--------------------------|------------------|--------------------------|--------------------------------|--------------------------------------------------|
| GMP Monitoring Wells | | | | | | | | | | |
| MW-42-065 | Floodplain | 463.37 | 56.2 - 66.2 | 2 in PVC | 80.0 | 8.4 | Redi-Flo AR | 3 | 36 | |
| MW-43-025 | Floodplain | 462.54 | 15 - 25 | 2 in PVC | 27.0 | 6.4 | Redi-Flo AR | 1 | 9 | |
| MW-43-075 | Floodplain | 462.71 | 65 - 75 | 2 in PVC | 77.0 | 6.4 | Ded. Redi-Flo AR | 2 | 28 | |
| MW-43-090 | Floodplain | 462.76 | 80 - 90 | 2 in PVC | 102.0 | 6.9 | Ded. Redi-Flo AR | 2 | 47 | |
| MW-44-070 | Floodplain | 471.88 | 61 - 71 | 2 in PVC | 70.0 | 15.6 | Temp pump | 1.5 | 38 | |
| MW-44-115 | Floodplain | 471.99 | 103 - 113 | 2 in PVC | 113.5 | 17.7 | Temp pump | 3 | 60 | |
| MW-44-125 | Floodplain | 471.99 | 116 - 125 | 2 in PVC | 128.8 | 17.7 | Temp pump | 0.35 | 57 | |
| MW-46-175 | Floodplain | 482.16 | 165 - 175 | 2 in PVC | 181.8 | 27.8 | Temp pump | 1.5 | 100 | |
| MW-46-205 | Floodplain | 482.23 | 196.5 - 206.5 | 2 in PVC | 224.7 | 27.6 | Temp pump | 2 | 90 | |
| MW-47-055 | Floodplain | 483.87 | 45 - 55 | 2 in PVC | 55.0 | 27.5 | Temp pump | 2 | 30 | |
| MW-47-115 | Floodplain | 484.06 | 105 - 115 | 2 in PVC | 115.0 | 27.9 | Temp pump | 1.5 | 55 | |
| MW-48 | East of Station | 486.22 | 124 - 134 | 2 in PVC | 138.0 | 29.1 | Temp pump | 0.5 | 22 | low recharge well; purges dry at 1 casing volume |
| MW-49-135 | Floodplain | 484.02 | 125 - 135 | 1.5 in PVC | 136.6 | 27.9 | Temp pump | 0.6 | 30 | |
| MW-49-275 | Floodplain | 483.95 | 255 - 275 | 2 in PVC | 274.7 | 29.3 | Temp pump | 3 | 126 | |
| MW-49-365 | Floodplain | 484.01 | 345 - 365 | 2 in PVC | 367.4 | 30.9 | Temp pump | 2 | 180 | |
| MW-50-095 | Route 66 | 496.55 | 85 - 95 | 2 in PVC | 96.4 | 39.7 | Temp pump | 2 | 36 | |
| MW-50-200 | Route 66 | 496.45 | 190 - 200 | 2 in PVC | 204.5 | 41.5 | Temp pump | 3 | 85 | |
| MW-51 | Route 66 | 501.56 | 97 - 112 | 4 in PVC | 113.3 | 45.0 | Temp pump | 2 | 180 | |
| OW-03D | West Mesa | 558.63 | 242 - 262 | 2 in PVC | 274.0 | 102.4 | Temp Redi-Flo AR | 3 | 90 | |
| OW-03M | West Mesa | 558.90 | 180 - 200 | 2 in PVC | 202.0 | 101.7 | Temp Redi-Flo AR | 3 | 54 | |
| OW-03S | West Mesa | 558.58 | 86 - 116 | 2 in PVC | 118.0 | 101.2 | Temp Redi-Flo AR | 2 | 30 | |
| Other Site Wells not in GMP | | | | | | | | | | |
| MW-01 | New Ponds | 661.76 | 201 - 211 | 4 in PVC | 217.0 | 205.2 | air bladder pump | NA | NA | active PG&E pond monitoring well |
| MW-03 | New Ponds | 650.51 | 193 - 203 | 4 in PVC | 205.0 | 193.8 | air bladder pump | NA | NA | active PG&E pond monitoring well |
| MW-04 | New Ponds | 625.73 | 164.5 - 174.5 | 4 in PVC | 176.3 | 168.8 | air bladder pump | NA | NA | active PG&E pond monitoring well |
| MW-05 | New Ponds | 635.69 | 175.9 - 184.9 | 4 in PVC | 186.2 | 178.4 | air bladder pump | NA | NA | active PG&E pond monitoring well |
| MW-06 | New Ponds | 642.84 | 184.5 - 193.5 | 4 in PVC | 194.9 | 185.5 | air bladder pump | NA | NA | active PG&E pond monitoring well |
| MW-07 | New Ponds | 631.91 | 172.7 - 182.7 | 4 in PVC | 185.0 | 175.2 | air bladder pump | NA | NA | active PG&E pond monitoring well |
| MW-08 | New Ponds | 627.54 | 169 - 178 | 4 in PVC | 179.9 | 170.1 | air bladder pump | NA | NA | active PG&E pond monitoring well |
| MW-45-095a | Floodplain | 470.03 | 83 - 93 | 2 in PVC | 97.0 | 15.9 | Temp pump | 1 | 40 | pressure transducer location |
| MW-45-095b | Floodplain | 469.51 | 83 - 93 | 1 in PVC | 97.0 | 17.9 | Temp pump | NA | 9 | groundwater sampling location |
| MWP-08 | Old Ponds | 677.48 | 181 - 211 | 3 in PVC | 213.0 | 189.5 | --- | NA | NA | inactive monitoring well |
| MWP-10 | Old Ponds | 675.81 | 194 - 234 | 3 in PVC | 237.0 | 208.6 | --- | NA | NA | inactive monitoring well |

TABLE 2

Well Construction and Sampling Summary, June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Site Area | Measuring Point Elevation (ft MSL) | Screen Interval (ft bgs) | Well Casing (inches) | Well Depth (ft bgs) | Depth to Water (ft btoc) | Sampling System | Typical Purge Rate (gpm) | Typical Purge Volume (gallons) | Remarks |
|------------------------------------|---------------|------------------------------------|--------------------------|----------------------|---------------------|--------------------------|--------------------|--------------------------|--------------------------------|----------------------------------------|
| Other Site Wells not in GMP | | | | | | | | | | |
| MWP-12 | Old Ponds | 663.49 | 96 - 136 | 3 in PVC | 143.0 | 107.8 | --- | NA | NA | inactive monitoring well |
| P-2 | New Ponds | 537.60 | 238.5 - 248.5 | 4 in PVC | 251.0 | 169.8 | --- | NA | NA | inactive monitoring well |
| PGE-09N | East of River | 462.21 | 25 - 95 | 12 in Steel | --- | --- | --- | NA | NA | |
| PGE-09S | East of River | 461.99 | 30 - 100 | 12 in Steel | --- | --- | --- | NA | NA | |
| Test and Extraction Wells | | | | | | | | | | |
| IW-02 | East Mesa | 550.10 | 170 - 330 | 6 in Steel | 343.0 | 95.8 | --- | NA | NA | IM3 injection well |
| IW-03 | East Mesa | 554.44 | 160 - 320 | 6 in Steel | 333.0 | 100.1 | --- | NA | NA | IM3 injection well |
| PE-01 | Floodplain | 457.52 | 79 - 89 | 6 in Steel | 97.0 | 16.4 | CD pump | 3 | 400 | |
| TW-01 | Plan B Test | 620.55 | 169 - 269 | 5 in PVC | 240.2 | 164.5 | CD pump | 20 | 200 | inactive pilot test well |
| TW-02D | MW-20 bench | 493.29 | 113 - 148 | 6 in PVC | 150.0 | 69.3 | CD pump | 70.1 | 160 | active IM extraction well |
| TW-02S | MW-20 bench | 499.05 | 42.5 - 92.5 | 6 in PVC | 102.1 | 38.9 | CD pump | 6 | 75 | active IM extraction well |
| TW-03D | MW-20 bench | --- | 111 - 156 | 8 in PVC | 157.0 | 46.5 | CD pump | NA | NA | IM extraction well. 6" screen diameter |
| TW-04 | Floodplain | 484.11 | 210 - 250 | 4 in PVC | 255.0 | 28.7 | Temp pump | NA | NA | |
| TW-05 | Route 66 | 496.30 | 110 - 150 | 4 in PVC | 152.5 | 40.4 | Temp pump | 3 | 150 | |
| Water Supply Wells | | | | | | | | | | |
| PGE-06 | MW-24 Bench | 563.32 | 110 - 180 | 14 in Steel | 181.0 | 107.3 | CD pump | 24 | 650 | inactive supply |
| PGE-07 | MW-24 Bench | 563.89 | 195 - 330 | 14 in Steel | 332.0 | 108.1 | CD pump | 12 | 600 | inactive supply |
| PGE-08 | Station | 596.01 | 405 - 554 | 6.75 in Steel | 564.0 | 140.8 | CD pump | 20 | 1900 | inactive injection |
| PM-03 | Park Moabi | 518.55 | 80 - 200 | 8 in Steel | 252.0 | 61.3 | active supply well | NA | NA | call Park Ranger to schedule sampling |

NOTES:

| | |
|-------------|--------------------------------------------------------|
| BGS | below ground surface |
| MSL | mean sea level |
| BTOC | below top of casing |
| NA | not known or available |
| CD pump | dedicated constant-discharge electric submersible pump |
| Redi-Flo AR | adjustable-rate electric submersible pump |
| Temp pump | temporary pump |
| PVC | polyvinyl chloride casing |
| Ded | dedicated |

Depth to water shown is the most recently measured depth to water.

All GMP wells except low recharge wells, active IM extraction wells, and Park Moabi well are purged and sampled using well-volume method.

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|---------|--------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-9 | 16-Jun-05 | 320 | 304 LF | 2,800 | 7.94 |
| | 16-Jun-05 FD | 322 | 298 LF | 2,820 | 7.82 |
| | 03-Oct-05 | 309 | 287 | 2,740 | 7.50 |
| | 07-Mar-06 | 298 | 291 | 2,650 | 7.60 |
| | 07-Mar-06 FD | 301 | 295 | 2,630 | 7.62 |
| MW-10 | 16-Jun-05 | 1490 | 1210 LF | 3,290 | 8.03 |
| | 03-Oct-05 | 4570 | 4900 | 1,690 | 7.74 |
| | 06-Mar-06 | 2070 | 2120 | 2,730 | 7.56 |
| MW-11 | 16-Jun-05 | 362 | 334 LF | 2,200 | 8.02 |
| | 03-Oct-05 | 649 | 617 | 2,330 | 7.33 |
| | 06-Mar-06 | 323 | 306 | 2,360 | 7.47 |
| MW-12 | 13-Jun-05 | 852 | 835 LF | 3,910 | 8.45 |
| | 16-Sep-05 | 698 | 618 | 3,630 | 8.64 |
| | 04-Oct-05 | 660 | 644 | 2,980 | 8.70 |
| | 04-Oct-05 FD | 670 | 613 | 2,970 | 8.70 |
| | 13-Dec-05 | 626 | 602 | 2,930 | 8.41 |
| | 18-Apr-06 | 1210 | 1300 | 3,450 | 8.19 |
| | 01-May-06 | 1250 | 1280 | 3,520 | 8.52 |
| MW-13 | 14-Jun-05 | 14.8 | 19.1 LF | 1,850 | 7.62 |
| | 04-Oct-05 | 20.3 | 24.5 | 1,770 | 7.08 |
| | 13-Dec-05 | 21.4 | 20.0 | 1,740 | 7.51 |
| | 13-Dec-05 FD | 21.5 | 22.1 | 1,750 | 7.52 |
| | 08-Mar-06 | 21.8 | 18.9 | 1,820 | 7.60 |
| | 08-Mar-06 FD | 21.8 | 19.1 | 1,800 | 7.53 |
| | 02-May-06 | 21.4 | 19.2 | 1,760 | 7.67 |
| | 02-May-06 FD | 21.2 | 20.5 | 1,750 | 7.79 |
| MW-14 | 15-Jun-05 | 30.0 | 30.4 LF | 1,450 | 8.27 |
| | 15-Jun-05 FD | 28.4 | 29.2 LF | 1,450 | 8.30 |
| | 06-Oct-05 | 35.4 | 34.8 | 1,430 | 7.71 |
| | 15-Dec-05 | 31.7 | 30.0 | 1,440 | 7.24 |
| | 09-Mar-06 | 32.5 | 29.1 | 1,420 | 7.56 |
| | 02-May-06 | 32.6 | 27.6 | 1,440 | 7.88 |
| MW-15 | 17-Jun-05 | 7.70 | 8.00 LF | 1,500 | 7.83 |
| | 06-Oct-05 | 7.60 | 14.0 J | 1,410 | 7.75 |
| | 07-Mar-06 | 15.2 | 13.8 | 1,790 | 7.75 |
| MW-16 | 06-Oct-05 | 4.10 | 21.8 J | 1,020 | 7.97 |
| | 07-Mar-06 | 9.00 | 7.70 | 1,050 | 7.86 |
| MW-17 | 05-Oct-05 | 13.6 | 11.7 | 1,670 | 7.63 |
| | 09-Mar-06 | 16.6 | 14.7 | 1,710 | 7.60 |
| MW-18 | 15-Jun-05 | 23.2 | 22.2 LF | 1,420 | 8.10 |
| | 06-Oct-05 | 34.7 J | 29.9 | 1,210 | 7.68 |
| | 09-Mar-06 | 37.6 | 31.0 | 1,140 | 7.45 |
| | 09-Mar-06 FD | 38.1 | 32.3 | 1,130 | 7.50 |
| MW-19 | 14-Jun-05 | 1150 | 1140 LF | 2,000 | 7.71 |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|-----------|--------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-19 | 04-Oct-05 | 1060 | 996 | 1,970 | 7.65 |
| | 12-Dec-05 | 1240 | 1270 | 2,040 | 7.52 |
| | 09-Mar-06 | 1090 | 1080 | 2,080 | 7.50 |
| | 02-May-06 | 1130 | 1120 | 2,150 | 7.74 |
| MW-20-70 | 15-Jun-05 | 6680 | 6450 LF | 2,980 | 8.02 |
| | 15-Jun-05 FD | 7000 | 7080 LF | 3,020 | 7.96 |
| | 11-Oct-05 | 6060 | 5930 | 2,950 | 7.49 |
| | 15-Dec-05 | 4640 | 4310 | 2,850 | 7.72 |
| | 10-Mar-06 | 5170 | 4510 | 2,870 | 7.61 |
| | 05-May-06 | 4100 | 4440 | 2,860 | 7.75 |
| MW-20-100 | 15-Jun-05 | 9600 | 10100 LF | 3,790 | 8.16 |
| | 11-Oct-05 | 10200 | 9430 | 3,600 | 7.57 |
| | 15-Dec-05 | 9460 | 9010 | 3,550 | 7.68 |
| | 10-Mar-06 | 10100 | 10200 | 3,690 | 7.61 |
| | 05-May-06 | 10400 | 12100 | 3,610 | 7.65 |
| MW-20-130 | 15-Jun-05 | 10800 | 10300 LF | 11,000 | 8.15 |
| | 07-Oct-05 | 9590 | 10700 | 12,000 | 7.71 |
| | 16-Dec-05 | 10500 | 9340 | 13,000 | 7.53 |
| | 10-Mar-06 | 10700 | 10600 | 13,600 | 7.62 |
| | 05-May-06 | 12000 | 13700 | 14,200 | 7.71 |
| MW-21 | 14-Jun-05 | ND (1.0) | ND (1.0) LF | 12,500 | 7.31 |
| | 05-Oct-05 | ND (1.0) J | ND (1.0) J | 13,400 | 7.03 |
| | 14-Dec-05 | ND (1.0) | ND (1.0) | 8,960 | 7.08 |
| | 02-May-06 | ND (1.0) | ND (1.0) | 14,300 | 7.28 |
| MW-22 | 17-Jun-05 | ND (1.0) | ND (1.0) LF | 31,100 | 6.95 |
| | 04-Oct-05 | ND (2.0) | ND (1.0) J | 44,600 | 6.88 |
| | 16-Dec-05 | ND (2.0) | ND (1.0) | 34,500 | 6.89 |
| | 15-Mar-06 | ND (2.0) | ND (1.0) | 36,300 | 7.25 |
| | 03-May-06 | ND (1.0) J | ND (1.0) | 33,400 | 6.97 |
| MW-23 | 14-Jun-05 | 8.90 | 7.70 LF | 15,900 | 7.26 |
| | 04-Oct-05 | ND (1.0) | ND (1.0) | 19,100 | 7.18 |
| | 14-Dec-05 | 8.80 | 10.5 | 16,400 | 7.17 |
| | 08-Mar-06 | 11.9 | ND (1.0) | 18,800 | 7.27 |
| | 02-May-06 | 16.8 | 18.2 | 19,500 | 7.38 |
| MW-24A | 16-Jun-05 | 3280 | 2640 LF | 3,180 | 8.09 |
| | 03-Oct-05 | 3120 | 2930 | 3,200 | 7.63 |
| | 03-Oct-05 FD | 3040 | 2630 | 3,190 | 7.61 |
| | 06-Mar-06 | 3490 | 3980 | 3,100 | 7.62 |
| MW-24B | 16-Jun-05 | 5640 | 5660 LF | 12,700 | 8.29 |
| | 03-Oct-05 | 5240 | 4930 | 14,900 | 7.84 |
| | 07-Mar-06 | 5650 | 5970 | 15,400 | 7.92 |
| MW-24BR | 15-Dec-05 | ND (1.0) | ND (1.0) | 13,600 | 8.34 |
| | 16-Mar-06 | ND (1.0) | 1.20 | 15,600 | 7.92 |
| | 10-May-06 | 1.00 R | ND (1.0) | 15,200 | 8.06 |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|----------|--------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-24BR | 05-Jun-06 | ND (1.0) | --- | --- | --- |
| MW-25 | 14-Jun-05 | 1730 | 1670 LF | 1,500 | 7.65 |
| | 14-Jun-05 FD | 1760 | 1660 LF | 1,510 | 7.54 |
| | 04-Oct-05 | 1540 | 1470 | 1,390 | 7.63 |
| | 04-Oct-05 FD | 1540 | 1480 | 1,190 | 7.61 |
| | 14-Dec-05 | 1460 | 1370 | 1,360 | 7.39 |
| | 14-Dec-05 FD | 1450 | 1350 | 1,350 | 7.41 |
| | 09-Mar-06 | 1360 | 1430 | 1,400 | 7.43 |
| | 03-May-06 | 1390 | 1300 | 1,400 | 7.79 |
| | 03-May-06 FD | 1280 | 1310 | 1,420 | 7.68 |
| MW-26 | 13-Jun-05 | 3370 | 3140 LF | 3,420 | 7.57 |
| | 04-Oct-05 | 3040 | 2990 | 3,120 | 7.60 |
| | 12-Dec-05 | 3220 | 3160 | 3,850 | 7.43 |
| | 08-Mar-06 | 3280 | 3020 | 3,300 | 7.54 |
| | 01-May-06 | 3210 | 3110 | 3,350 | 7.66 |
| MW-27-20 | 18-Jul-05 | ND (0.2) | ND (1.0) | 1,060 | 7.70 |
| | 05-Oct-05 | ND (0.21) | ND (1.0) | 1,040 | 7.56 |
| | 14-Dec-05 | ND (0.2) | ND (1.0) | 1,340 | 7.42 |
| | 06-Mar-06 | ND (0.2) | ND (1.0) | 998 | 7.66 |
| | 01-May-06 | ND (0.2) | ND (1.0) | 1,490 | 7.72 |
| MW-27-60 | 18-Jul-05 | ND (1.0) | 1.80 | 14,200 | 7.70 |
| | 05-Oct-05 | ND (1.0) | ND (1.0) | 13,900 | 7.18 |
| | 15-Dec-05 | ND (1.0) | ND (1.0) | 13,700 | 7.28 |
| | 07-Mar-06 | ND (1.0) | ND (1.0) | 13,600 | 7.39 |
| | 01-May-06 | ND (1.0) | ND (1.0) | 12,800 | 7.58 |
| MW-27-85 | 02-Jun-05 | ND (1.0) | ND (1.0) LF | --- | --- |
| | 19-Jul-05 | ND (1.0) | 3.00 | 16,700 | 7.33 |
| | 16-Aug-05 | ND (1.0) | ND (2.6) | --- | --- |
| | 08-Sep-05 | ND (1.0) | ND (1.0) | --- | --- |
| | 05-Oct-05 | ND (1.0) | ND (1.0) | 19,800 | 7.12 |
| | 03-Nov-05 | ND (2.0) J | ND (1.0) | --- | --- |
| | 15-Dec-05 | 1.20 J | 6.60 | 17,500 | 7.29 |
| | 12-Jan-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 08-Feb-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 06-Mar-06 | ND (1.0) | ND (1.0) | 20,600 | 7.23 |
| | 03-Apr-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 01-May-06 | ND (1.0) | ND (1.0) | 17,200 | 7.56 |
| | 14-Jun-06 | ND (1.0) | ND (1.0) | --- | --- |
| MW-28-25 | 15-Jun-05 | ND (0.2) | ND (1.0) LF | 1,300 | 7.90 |
| | 13-Jul-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 06-Oct-05 | ND (0.2) | ND (1.0) | 1,210 | 7.36 |
| | 16-Dec-05 | ND (0.2) | ND (1.0) | 1,430 | 7.28 |
| | 09-Mar-06 | ND (0.2) | ND (1.0) | 1,040 | 7.42 |
| | 05-May-06 | ND (0.2) | ND (1.0) | 1,170 | 7.55 |
| MW-28-90 | 02-Jun-05 | ND (1.0) | ND (1.0) LF | --- | --- |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|-----------|--------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-28-90 | 15-Jun-05 | ND (1.0) | ND (1.0) LF | 9,860 | 8.04 |
| | 01-Jul-05 | ND (1.0) | ND (1.0) LF | --- | --- |
| | 13-Jul-05 | ND (1.0) | ND (1.0) | --- | --- |
| | 18-Aug-05 | ND (1.0) | 1.10 | --- | --- |
| | 09-Sep-05 | ND (1.0) | ND (1.0) | --- | --- |
| | 06-Oct-05 | ND (1.0) | ND (1.0) | 8,230 | 7.80 |
| | 02-Nov-05 | ND (1.0) | ND (1.0) | --- | --- |
| | 16-Dec-05 | ND (1.0) | ND (1.0) | 8,400 | 7.57 |
| | 10-Jan-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 09-Feb-06 | ND (0.2) J | ND (1.0) | --- | --- |
| | 06-Mar-06 | ND (1.0) | ND (1.0) | 8,970 | 7.66 |
| | 06-Apr-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 05-May-06 | ND (1.0) | ND (1.0) | 7,680 | 7.68 |
| | 15-Jun-06 | ND (1.0) | ND (1.0) | --- | --- |
| MW-29 | 15-Jun-05 | ND (0.2) | ND (1.0) LF | 3,760 | 7.87 |
| | 04-Oct-05 | ND (0.2) | ND (1.0) | 4,620 | 7.37 |
| | 12-Dec-05 | ND (0.2) | ND (1.0) | 5,620 | 7.38 |
| | 13-Apr-06 | ND (0.2) | ND (1.0) | 3,340 | 7.74 |
| | 05-May-06 | ND (0.2) | ND (1.0) | 2,430 | 7.57 |
| MW-30-30 | 07-Oct-05 | ND (0.2) | ND (1.0) | 57,100 | 7.09 |
| | 15-Dec-05 | ND (5.0) | ND (1.0) | 61,500 | 7.05 |
| | 13-Mar-06 | ND (5.0) | ND (1.0) | 65,300 | 7.04 |
| | 02-May-06 | ND (2.0) | ND (1.0) | 53,300 | 7.10 |
| MW-30-50 | 07-Oct-05 | ND (1.0) | ND (1.0) | 9,340 | 7.40 |
| | 16-Dec-05 | ND (1.0) | ND (1.0) | 10,200 | 7.38 |
| | 09-Mar-06 | ND (1.0) | ND (1.0) | 9,650 | 7.34 |
| | 02-May-06 | ND (1.0) | ND (1.0) | 9,500 | 7.52 |
| MW-31-60 | 13-Jun-05 | 1790 | 1810 LF | 2,960 | 7.60 |
| | 06-Oct-05 | 1430 | 1470 | 2,600 | 7.80 |
| | 13-Dec-05 | 1300 | 1250 | 2,570 | 7.60 |
| | 15-Mar-06 | 1020 | 1010 | 2,580 | 7.62 |
| | 15-Mar-06 FD | 1000 | 1010 | 2,560 | 7.64 |
| | 01-May-06 | 952 | 959 | 2,590 | 7.80 |
| MW-31-135 | 13-Jun-05 | 318 | 344 LF | 11,500 | 7.94 |
| | 13-Jun-05 FD | 318 | 338 LF | 11,400 | 8.07 |
| | 06-Oct-05 | 271 | 251 | 9,400 | 7.98 |
| | 14-Dec-05 | 221 | 198 | 9,240 | 7.62 |
| | 15-Mar-06 | 173 | 186 | 11,000 | 7.91 |
| | 09-May-06 | 154 | 146 LF | 9,830 | 8.07 |
| MW-32-20 | 17-Jun-05 | ND (1.0) | ND (1.0) LF | 15,800 | 6.91 |
| | 04-Oct-05 | ND (2.0) | ND (1.0) J | 44,100 | 6.90 |
| | 16-Dec-05 | ND (2.0) | ND (1.0) | 39,400 | 6.86 |
| | 10-Mar-06 | ND (2.0) | ND (1.0) | 36,500 | 6.92 |
| | 04-May-06 | ND (1.0) | ND (1.0) | 27,900 | 6.83 |
| MW-32-35 | 17-Jun-05 | ND (1.0) | ND (1.0) LF | 12,200 | 7.19 |

TABLE 3

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| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|-----------|--------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-32-35 | 04-Oct-05 | ND (1.0) | ND (1.0) | 13,100 | 7.29 |
| | 16-Dec-05 | ND (1.0) | ND (1.0) | 12,600 | 7.19 |
| | 10-Mar-06 | ND (2.0) | ND (1.0) | 14,200 | 7.26 |
| | 04-May-06 | ND (1.0) | ND (1.0) | 17,000 | 7.31 |
| MW-33-40 | 17-Jun-05 | ND (0.2) | ND (1.0) LF | 23300 R | 7.91 |
| | 07-Oct-05 | 0.68 | ND (1.0) | 5,480 | 8.19 |
| | 12-Dec-05 | ND (1.0) | 1.70 | 9,380 | 7.78 |
| | 09-Mar-06 | ND (0.2) | ND (1.0) LF | 5,560 | 8.01 |
| | 04-May-06 | ND (0.2) | ND (1.0) LF | 4,290 | 8.44 |
| MW-33-90 | 01-Jun-05 | 17.8 | 14.0 LF | --- | --- |
| | 01-Jun-05 FD | 16.0 | 12.7 LF | --- | --- |
| | 16-Jun-05 | 15.0 | 14.2 LF | 9,540 | 8.06 |
| | 16-Jun-05 FD | 15.7 J | 13.4 LF | 9,580 | 8.01 |
| | 20-Jul-05 | 16.1 | 17.3 | --- | --- |
| | 20-Jul-05 FD | 16.5 | 17.3 | --- | --- |
| | 06-Oct-05 | 15.5 | 13.0 | 8,300 | 7.72 |
| | 13-Dec-05 | 16.4 | 21.8 J | 8,540 | 7.50 |
| | 13-Dec-05 FD | 16.5 | 14.0 J | 8,520 | 7.55 |
| | 08-Mar-06 | 16.7 | 14.3 | 10,000 | 7.76 |
| | 03-May-06 | 16.1 | 16.4 | 8,840 | 7.76 |
| | 03-May-06 FD | 19.3 | 15.3 | 8,590 | 7.71 |
| MW-33-150 | 17-Jun-05 | 3.10 J | 6.40 LF | 17,700 | 7.55 |
| | 20-Jul-05 | 5.20 | 5.60 | --- | --- |
| | 17-Aug-05 | 4.00 | 6.10 | --- | --- |
| | 09-Sep-05 | 3.90 | 2.80 | --- | --- |
| | 06-Oct-05 | 4.50 | 3.90 | 17,600 | 7.77 |
| | 06-Oct-05 FD | 5.30 | 4.90 | 17,800 | 7.79 |
| | 02-Nov-05 | 5.50 | 4.70 | --- | --- |
| | 12-Dec-05 | 6.60 | 5.70 | 15,600 | 7.60 |
| | 10-Jan-06 | 6.40 | 5.00 | --- | --- |
| | 07-Feb-06 | 4.30 J | 6.40 | --- | --- |
| | 08-Mar-06 | 4.20 | 3.20 | 18,300 | 7.74 |
| | 06-Apr-06 | 4.50 | 3.00 | --- | --- |
| | 03-May-06 | 6.60 | 5.50 | 17,500 | 7.63 |
| | 16-Jun-06 | 5.50 | 5.40 | --- | --- |
| MW-33-210 | 16-Jun-05 | 5.10 J | 1.70 JLFB | 21,600 | 7.89 |
| | 20-Jul-05 | 5.60 | 6.70 | --- | --- |
| | 17-Aug-05 | 2.50 | 8.00 | --- | --- |
| | 06-Sep-05 | 3.50 | 2.90 | --- | --- |
| | 06-Oct-05 | 4.00 | 4.20 | 20,800 | 7.58 |
| | 02-Nov-05 | 6.50 | 5.40 | --- | --- |
| | 12-Dec-05 | 6.90 | 5.60 | 18,000 | 7.53 |
| | 10-Jan-06 | 7.60 | 5.20 | --- | --- |
| | 07-Feb-06 | 9.00 | 7.20 | --- | --- |
| | 06-Mar-06 | 10.7 | 6.50 | 21,500 | 7.50 |
| | 13-Apr-06 | 4.20 | ND (4.2) | --- | --- |

TABLE 3

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| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|-----------|--------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-33-210 | 05-May-06 | 10.0 | 8.80 | 17,900 | 7.55 |
| | 16-Jun-06 | 9.20 | 8.30 | --- | --- |
| MW-34-55 | 15-Jul-05 | ND (1.0) | ND (1.3) | 8,690 | 7.58 |
| | 05-Oct-05 | ND (1.0) | ND (1.0) | 7,600 | 7.36 |
| | 14-Dec-05 | ND (1.0) | ND (1.0) | 7,620 | 7.39 |
| | 08-Mar-06 | ND (1.0) | ND (1.0) | 8,500 | 7.62 |
| | 03-May-06 | ND (0.2) | ND (1.0) | 7,550 | 7.58 |
| MW-34-80 | 01-Jun-05 | ND (1.0) | ND (1.0) LF | --- | --- |
| | 30-Jun-05 | ND (1.0) | ND (1.0) LF | 15,000 | 7.52 |
| | 14-Jul-05 | ND (1.0) | 2.00 | --- | --- |
| | 15-Aug-05 | ND (1.0) | 2.40 | --- | --- |
| | 07-Sep-05 | ND (1.0) | ND (1.0) | --- | --- |
| | 05-Oct-05 | ND (1.0) | ND (1.0) | 15,000 | 7.16 |
| | 03-Nov-05 | ND (1.0) | ND (1.0) | --- | --- |
| | 14-Dec-05 | ND (1.0) | ND (1.0) | 12,500 | 7.24 |
| | 11-Jan-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 08-Feb-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 09-Mar-06 | ND (1.0) | ND (1.0) | 12,400 | 7.26 |
| | 03-Apr-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 03-May-06 | ND (1.0) | ND (1.0) | 13,600 | 7.35 |
| | 14-Jun-06 | ND (1.0) | ND (1.0) | --- | --- |
| MW-34-100 | 01-Jun-05 | 527 | 609 LF | --- | --- |
| | 08-Jun-05 | 552 | 583 LF | --- | --- |
| | 21-Jun-05 | 560 | 477 LF | 17,300 | 7.97 |
| | 21-Jun-05 FD | 578 | 480 LF | 18,000 | 8.00 |
| | 07-Jul-05 | 583 | 639 LF | --- | --- |
| | 14-Jul-05 | 617 | 701 | --- | --- |
| | 27-Jul-05 | 597 | 504 | --- | --- |
| | 10-Aug-05 | 574 | 589 | --- | --- |
| | 10-Aug-05 FD | 571 | 597 | --- | --- |
| | 15-Aug-05 | 633 | 660 | --- | --- |
| | 31-Aug-05 | 649 | 693 | --- | --- |
| | 31-Aug-05 FD | 658 | 604 | --- | --- |
| | 07-Sep-05 | 673 | 868 | --- | --- |
| | 20-Sep-05 | 675 | 891 | --- | --- |
| | 05-Oct-05 | 732 | 732 | 17,400 | 7.46 |
| | 05-Oct-05 FD | 708 | 703 | 16,900 | 7.39 |
| | 25-Oct-05 | 752 | 628 | --- | --- |
| | 25-Oct-05 FD | 752 | 650 | --- | --- |
| | 03-Nov-05 | 748 J | 897 | --- | --- |
| | 16-Nov-05 | 759 | 762 | --- | --- |
| | 16-Nov-05 FD | 763 | 725 | --- | --- |
| | 30-Nov-05 | 791 | 797 | --- | --- |
| | 30-Nov-05 FD | 802 | 721 | --- | --- |
| | 14-Dec-05 | 808 | 751 | 15,000 | 7.52 |
| | 14-Dec-05 FD | 811 | 791 | 15,000 | 7.50 |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|-----------|--------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-34-100 | 28-Dec-05 | 804 | 824 | --- | --- |
| | 12-Jan-06 | 837 | 771 | --- | --- |
| | 12-Jan-06 FD | 856 | 764 | --- | --- |
| | 23-Jan-06 | 822 | 716 | --- | --- |
| | 08-Feb-06 | 797 | 706 | --- | --- |
| | 08-Feb-06 FD | 785 | 708 | --- | --- |
| | 22-Feb-06 | 752 | 831 | --- | --- |
| | 22-Feb-06 FD | 748 | 846 | --- | --- |
| | 08-Mar-06 | 800 | 857 | 17,900 | 7.59 |
| | 08-Mar-06 FD | 801 | 773 | 17,900 | 7.65 |
| | 23-Mar-06 | 830 | 851 | --- | --- |
| | 23-Mar-06 FD | 828 | 855 | --- | --- |
| | 03-Apr-06 | 858 | 910 | --- | --- |
| | 21-Apr-06 | 852 | 873 | --- | --- |
| | 03-May-06 | 900 | 946 | 18,000 | 7.70 |
| | 03-May-06 FD | 920 | 946 | 18,000 | 7.72 |
| | 17-May-06 | 935 | 1180 | --- | --- |
| | 17-May-06 FD | 930 | 1190 | --- | --- |
| | 31-May-06 | 960 | 929 | --- | --- |
| | 14-Jun-06 | 922 | 839 | --- | --- |
| | 14-Jun-06 FD | 921 | 864 | --- | --- |
| | 28-Jun-06 | 976 | 1130 | --- | --- |
| MW-35-60 | 13-Jun-05 | 33.6 | 34.1 LF | 7,170 | 7.54 |
| | 07-Oct-05 | 32.5 | 28.0 | 6,590 | 7.57 |
| | 07-Oct-05 FD | 35.1 J | 32.0 | 6,510 | 7.52 |
| | 14-Dec-05 | 32.5 | 32.5 | 6,350 | 7.42 |
| | 14-Dec-05 FD | 33.3 | 28.6 | 6,430 | 7.41 |
| | 14-Mar-06 | 31.6 | 24.3 | 7,700 | 7.53 |
| | 01-May-06 | 25.7 | 26.4 | 6,740 | 7.57 |
| MW-35-135 | 13-Jun-05 | 17.6 | 17.6 LF | 12,600 | 7.64 |
| | 07-Oct-05 | 21.2 | 17.8 | 9,460 | 7.72 |
| | 14-Dec-05 | 25.7 | 22.8 | 9,550 | 7.54 |
| | 10-Mar-06 | 28.0 | 24.0 | 10,800 | 7.67 |
| | 10-Mar-06 FD | 26.5 | 25.7 | 10,700 | 7.68 |
| | 02-May-06 | 21.0 | 20.7 | 12,000 | 7.82 |
| MW-36-20 | 03-Oct-05 | ND (1.0) | ND (1.0) | 16,300 | 7.35 |
| | 15-Dec-05 | ND (2.0) | ND (1.0) | 3260 R | 7.14 |
| | 07-Mar-06 | ND (1.0) | ND (1.0) | 15,100 | 7.58 |
| | 01-May-06 | ND (1.0) | ND (1.0) | 20,000 | 7.52 |
| MW-36-40 | 03-Oct-05 | ND (1.0) | ND (1.0) | 14,800 | 7.28 |
| | 15-Dec-05 | ND (1.0) | ND (1.0) | 12,300 | 7.38 |
| | 07-Mar-06 | ND (1.0) | ND (1.0) | 13,800 | 7.51 |
| | 01-May-06 | ND (1.0) | ND (1.0) | 13,000 | 7.64 |
| MW-36-50 | 03-Oct-05 | ND (1.0) | ND (1.0) | 8,090 | 7.34 |
| | 15-Dec-05 | ND (1.0) | ND (1.0) | 11,000 | 7.28 |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|-----------|--------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-36-50 | 07-Mar-06 | ND (1.0) | ND (1.0) | 7,850 | 7.63 |
| | 07-Mar-06 FD | ND (1.0) | ND (1.0) | 7,650 | 7.46 |
| | 01-May-06 | ND (0.2) | ND (1.0) | 6,970 | 7.64 |
| MW-36-70 | 03-Oct-05 | ND (1.0) | ND (1.0) | 8,540 | 7.30 |
| | 15-Dec-05 | ND (1.0) | ND (1.0) | 8,220 | 7.40 |
| | 10-Feb-06 | ND (10) | ND (1.0) | --- | --- |
| | 07-Mar-06 | ND (1.0) | ND (1.0) | 9,120 | 7.55 |
| | 06-Apr-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 01-May-06 | ND (1.0) | ND (1.0) | 8,410 | 7.60 |
| | 13-Jun-06 | ND (0.2) J | ND (1.0) | --- | --- |
| MW-36-90 | 25-Jul-05 | 344 | 343 | --- | --- |
| | 17-Aug-05 | 346 | 336 | --- | --- |
| | 08-Sep-05 | 267 | 301 | --- | --- |
| | 03-Oct-05 | 302 | 286 | 16,800 | 7.28 |
| | 02-Nov-05 | 256 | 247 | --- | --- |
| | 15-Dec-05 | 240 | 219 | 13,900 | 7.27 |
| | 12-Jan-06 | 245 | 223 | --- | --- |
| | 10-Feb-06 | 71.8 | 71.4 | --- | --- |
| | 07-Mar-06 | 33.0 | 27.5 | 11,800 | 7.49 |
| | 04-Apr-06 | 23.5 | 15.7 | --- | --- |
| | 01-May-06 | 22.8 | 18.3 | 11,200 | 7.61 |
| | 13-Jun-06 | 10.9 | 9.00 | --- | --- |
| MW-36-100 | 02-Jun-05 | 518 | 441 LF | --- | --- |
| | 19-Jul-05 | 398 | 635 | --- | --- |
| | 15-Aug-05 | 391 | 410 | --- | --- |
| | 15-Aug-05 FD | 390 | 392 | --- | --- |
| | 08-Sep-05 | 396 J | 380 | --- | --- |
| | 08-Sep-05 FD | 397 | 454 | --- | --- |
| | 05-Oct-05 | 383 | 370 | 15,500 | 7.18 |
| | 03-Nov-05 | 315 | 368 | --- | --- |
| | 13-Dec-05 | 306 | 333 | 15,800 | 7.25 |
| | 12-Jan-06 | 287 | 288 | --- | --- |
| | 09-Feb-06 | 307 | 288 | --- | --- |
| | 13-Mar-06 | 540 | 531 | 18,100 | 7.36 |
| | 05-Apr-06 | 554 | 492 | --- | --- |
| | 02-May-06 | 532 | 517 | 16,600 | 7.45 |
| | 15-Jun-06 | 496 J | 465 | --- | --- |
| MW-37D | 15-Jun-05 | 1390 | 1540 LF | 13,200 | 8.20 |
| | 04-Oct-05 | 1800 | 1970 | 14,900 | 7.77 |
| | 14-Dec-05 | 1680 | 1610 | 13,300 | 7.67 |
| | 13-Mar-06 | 1950 | 1860 | 16,000 | 7.64 |
| | 03-May-06 | 1970 | 1880 | 16,200 | 7.87 |
| MW-37S | 15-Jun-05 | 2.10 | 2.60 LF | 3,700 | 8.19 |
| | 04-Oct-05 | 7.00 | 6.60 | 4,210 | 7.98 |
| | 04-Oct-05 FD | 7.00 | 6.50 | 4,180 | 7.90 |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|----------|--------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-37S | 14-Dec-05 | 8.00 | 7.10 | 4,220 | 7.60 |
| | 14-Dec-05 FD | 7.60 | 7.00 | 4,230 | 7.62 |
| | 13-Mar-06 | 7.70 | 7.00 | 4,280 | 7.70 |
| | 04-May-06 | 8.30 | 9.30 | 4,260 | 7.85 |
| | 04-May-06 FD | 8.00 | --- | 4,250 | 7.81 |
| MW-38D | 17-Jun-05 | 202 | 175 LF | 4980 R | 8.50 |
| | 07-Oct-05 | 227 | 227 | 21,500 | 7.95 |
| | 10-Mar-06 | 111 | 106 | 23,500 | 7.85 |
| MW-38S | 17-Jun-05 | 807 | 730 LF | 3,790 | 7.72 |
| | 07-Oct-05 | 776 | 825 | 3,430 | 7.47 |
| | 10-Mar-06 | 824 | 788 | 3,700 | 7.53 |
| MW-39-40 | 16-Jun-05 | ND (0.2) | ND (1.0) LF | 6,430 | 8.03 |
| | 04-Oct-05 | ND (0.2) | ND (1.0) | 5,640 | 7.58 |
| | 16-Dec-05 | ND (0.2) | ND (1.0) | 6,010 | 7.45 |
| | 07-Mar-06 | ND (1.0) | ND (1.0) | 7,780 | 7.55 |
| | 02-May-06 | ND (1.0) | ND (1.0) | 8,490 | 7.59 |
| MW-39-50 | 16-Jun-05 | 66.2 | 55.4 LF | 10,700 | 7.82 |
| | 04-Oct-05 | ND (10) | 4.70 | 12,000 | 7.52 |
| | 12-Jan-06 | ND (10) | ND (1.0) | --- | --- |
| | 08-Mar-06 | ND (1.0) | ND (1.0) | 12,200 | 7.49 |
| | 02-May-06 | ND (1.0) | ND (1.0) | 10,300 | 7.61 |
| MW-39-60 | 16-Jun-05 | 213 | 198 LF | 13,100 | 7.72 |
| | 04-Oct-05 | 72.3 | 79.6 J | 13,200 | 7.37 |
| | 16-Dec-05 | 20.4 | 20.4 | 14,400 | 7.16 |
| | 08-Mar-06 | 7.10 | 2.70 | 15,700 | 7.42 |
| | 08-Mar-06 FD | 6.90 | 2.40 | 15,300 | 7.47 |
| | 02-May-06 | 1.10 | 1.40 | 13,200 | 7.49 |
| MW-39-70 | 16-Jun-05 | 799 | 576 LF | 11,700 | 7.65 |
| | 04-Oct-05 | 840 | 754 | 11,900 | 7.34 |
| | 16-Dec-05 | 1240 | 1080 | 12,800 | 7.24 |
| | 10-Feb-06 | 338 | 340 | --- | --- |
| | 08-Mar-06 | 200 | 169 | 12,300 | 7.46 |
| | 06-Apr-06 | 223 | 204 | --- | --- |
| | 02-May-06 | 137 | 123 | 11,500 | 7.48 |
| | 14-Jun-06 | 107 J | 94.6 | --- | --- |
| MW-39-80 | 16-Jun-05 | 2220 | 1930 LF | 15,700 | 7.59 |
| | 25-Jul-05 | 2060 | 1990 | --- | --- |
| | 17-Aug-05 | 2370 | 2460 | --- | --- |
| | 06-Sep-05 | 2990 | 4880 | --- | --- |
| | 04-Oct-05 | 3000 | 2770 | 15,000 | 7.38 |
| | 02-Nov-05 | 3200 | 3020 | --- | --- |
| | 15-Dec-05 | 2740 | 2570 | 12,600 | 7.34 |
| | 12-Jan-06 | 2280 | 2060 | --- | --- |
| | 10-Feb-06 | 1750 | 1610 | --- | --- |
| | 08-Mar-06 | 1420 | 1400 | 15,900 | 7.48 |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|-----------|--------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-39-80 | 06-Apr-06 | 1200 | 1120 | --- | --- |
| | 02-May-06 | 1410 | 1450 | 15,400 | 7.27 |
| | 14-Jun-06 | 1000 J | 934 | --- | --- |
| MW-39-100 | 17-Jun-05 | 6980 | 6030 LF | 18,700 | 7.41 |
| | 19-Jul-05 | 5500 | 5490 | --- | --- |
| | 19-Jul-05 FD | 5450 | 5450 | --- | --- |
| | 17-Aug-05 | 4230 | 4050 | --- | --- |
| | 06-Sep-05 | 4540 | 6480 | --- | --- |
| | 04-Oct-05 | 4010 | 3950 | 16,300 | 7.40 |
| | 02-Nov-05 | 3580 | 3480 | --- | --- |
| | 02-Nov-05 FD | 3650 | 3410 | --- | --- |
| | 13-Dec-05 | 3640 | 3440 | 16,700 | 7.22 |
| | 12-Jan-06 | 4720 | 4280 | --- | --- |
| | 09-Feb-06 | 4500 | 4310 | --- | --- |
| | 13-Mar-06 | 4070 | 4640 | 20,700 | 7.20 |
| | 05-Apr-06 | 4470 | 4050 | --- | --- |
| | 05-Apr-06 FD | 4460 | 4330 | --- | --- |
| MW-40D | 02-May-06 | 3680 | 3480 | 20,500 | 7.22 |
| | 14-Jun-06 | 3270 | 3250 | --- | --- |
| MW-40S | 16-Jun-05 | 7.60 | 6.40 LF | 14,100 | 7.96 |
| | 05-Oct-05 | 57.4 | 67.0 | 16,700 | 7.54 |
| | 13-Dec-05 | 83.5 | 78.1 | 14,600 | 7.43 |
| | 08-Mar-06 | 89.9 | 76.7 | 17,200 | 7.59 |
| | 03-May-06 | 79.8 | 85.3 | 14,700 | 7.75 |
| MW-41D | 16-Jun-05 | 6.30 | 5.30 LF | 1,870 | 8.08 |
| | 05-Oct-05 | 4.90 | 4.40 | 1,890 | 7.65 |
| | 13-Dec-05 | 5.10 J | 5.10 | 1,850 | 7.54 |
| | 08-Mar-06 | 5.20 | 3.90 | 1,960 | 7.69 |
| | 03-May-06 | 5.70 | 6.70 | 1,950 | 7.85 |
| | 03-May-06 FD | 5.60 | 7.20 | 1,930 | 7.85 |
| MW-41M | 14-Jun-05 | ND (1.0) | 2.80 LF | 23,000 | 7.73 |
| | 05-Oct-05 | ND (1.0) | ND (1.0) | 19,200 | 7.71 |
| | 16-Dec-05 | ND (1.0) | ND (1.0) | 19,600 | 7.59 |
| | 15-Mar-06 | ND (1.0) | ND (1.0) | 23,500 | 7.84 |
| | 05-May-06 | ND (1.0) | 1.40 | 19,500 | 7.99 |
| MW-41S | 14-Jun-05 | 4.80 | 5.40 JLF | 12,600 | 7.59 |
| | 14-Jun-05 FD | 4.60 | 7.90 JLF | 12,700 | 7.76 |
| | 05-Oct-05 | 5.40 | 5.00 | 13,200 | 7.69 |
| | 16-Dec-05 | 8.90 | 6.50 | 15,900 | 7.64 |
| | 13-Mar-06 | 8.50 | 7.40 | 16,300 | 7.64 |
| | 05-May-06 | 8.80 | 9.80 | 12,000 | 7.84 |
| MW-41S | 14-Jun-05 | 11.3 | 19.0 LF | 4,460 | 7.90 |
| | 05-Oct-05 | 17.0 | 17.7 | 4,520 | 7.81 |
| | 05-Oct-05 FD | 17.3 | 15.3 | 4,470 | 7.87 |
| | 16-Dec-05 | 18.2 | 15.8 | 4,620 | 7.74 |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|----------|-------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-41S | 16-Dec-05 | 18.4 | 16.1 | 4,650 | 7.77 |
| | 13-Mar-06 | 17.6 | 18.0 | 5,170 | 7.82 |
| | 05-May-06 | 19.2 | 18.3 | 4,450 | 7.98 |
| | 05-May-06 | 19.2 | 17.2 | 4,550 | 8.00 |
| MW-42-30 | 07-Oct-05 | ND (1.0) | ND (1.0) | 17,200 | 7.26 |
| | 15-Dec-05 | ND (1.0) | ND (1.0) | 17,800 | 7.14 |
| | 07-Mar-06 | ND (1.0) | ND (1.0) | 11,100 | 7.42 |
| | 02-May-06 | ND (1.0) | ND (1.0) | 13,900 | 7.34 |
| MW-42-55 | 07-Oct-05 | ND (1.0) | ND (1.0) | 19,500 | 7.25 |
| | 15-Dec-05 | ND (1.0) | ND (1.0) | 12,100 | 7.28 |
| | 07-Mar-06 | ND (1.0) | ND (1.0) | 15,600 | 7.36 |
| | 02-May-06 | ND (1.0) | ND (1.0) | 17,000 | 7.32 |
| MW-42-65 | 07-Oct-05 | ND (1.0) | ND (1.0) | 20,000 | 6.99 |
| | 15-Dec-05 | ND (1.0) | ND (1.0) | 16,100 | 7.10 |
| | 07-Mar-06 | ND (1.0) | ND (1.0) | 18,000 | 7.12 |
| | 02-May-06 | ND (1.0) | ND (1.0) | 20,000 | 7.05 |
| MW-43-25 | 20-Jun-05 | ND (0.2) | ND (1.0) LF | 1,740 | 7.75 |
| | 04-Oct-05 | ND (0.2) | ND (1.0) | 1,170 | 7.32 |
| | 16-Dec-05 | ND (0.2) | ND (1.0) | 1,340 | 7.20 |
| | 10-Mar-06 | ND (0.2) | ND (1.0) | 1,240 | 7.23 |
| | 04-May-06 | ND (0.2) | ND (1.0) | 1,210 | 7.31 |
| MW-43-75 | 20-Jun-05 | ND (1.0) | ND (1.0) LF | 14,700 | 7.84 |
| | 26-Jul-05 | ND (1.0) | ND (1.0) | --- | --- |
| | 16-Aug-05 | ND (1.0) | 5.40 | --- | --- |
| | 08-Sep-05 | ND (1.0) | ND (1.0) | --- | --- |
| | 04-Oct-05 | ND (1.0) | ND (1.0) J | 15,000 | 7.46 |
| | 03-Nov-05 | ND (2.0) | ND (1.0) | --- | --- |
| | 16-Dec-05 | ND (1.0) | ND (1.0) | 13,100 | 7.37 |
| | 11-Jan-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 10-Feb-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 10-Mar-06 | ND (1.0) | ND (1.0) | 15,900 | 7.36 |
| | 03-Apr-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 04-May-06 | ND (1.0) | ND (1.0) | 13,000 | 7.37 |
| MW-43-90 | 20-Jun-05 | ND (1.0) | ND (1.0) LF | 25,100 | 7.38 |
| | 20-Jun-05 | FD | ND (1.0) LF | 24,400 | 7.37 |
| | 26-Jul-05 | ND (2.0) | ND (1.6) | --- | --- |
| | 16-Aug-05 | ND (2.0) | ND (5.2) | --- | --- |
| | 08-Sep-05 | ND (1.0) | ND (1.0) | --- | --- |
| | 04-Oct-05 | ND (1.0) | ND (1.0) | 22,000 | 6.95 |
| | 03-Nov-05 | ND (2.0) | ND (1.0) | --- | --- |
| | 16-Dec-05 | ND (1.0) | ND (1.0) | 19,900 | 6.93 |
| | 11-Jan-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 10-Feb-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 10-Mar-06 | ND (2.0) | ND (1.0) | 24,300 | 7.01 |
| | 03-Apr-06 | ND (1.0) | ND (1.0) | --- | --- |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|------------|--------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|
| MW-43-90 | 04-May-06 | ND (1.0) | ND (1.0) | 12,600 | 6.91 |
| MW-44-70 | 09-Mar-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 23-Mar-06 | ND (1.0) J | ND (1.0) | 7,960 | 7.23 |
| | 04-Apr-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 04-May-06 | ND (1.0) | ND (1.0) | 7,270 | 7.55 |
| | 13-Jun-06 | ND (1.0) | ND (1.0) | --- | --- |
| | 13-Jun-06 FD | ND (1.0) | ND (1.0) | --- | --- |
| | 15-Jun-06 | ND (1.0) | ND (1.0) | --- | --- |
| MW-44-115 | 14-Mar-06 | 735 J | 730 | 13,900 | 7.76 |
| | 22-Mar-06 | 1440 | 1970 | 14,400 | 7.88 |
| | 04-Apr-06 | 1550 | 1620 | --- | --- |
| | 04-Apr-06 FD | 1570 | 1570 | --- | --- |
| | 20-Apr-06 | 1680 | 1650 | --- | --- |
| | 20-Apr-06 FD | 1680 | 1610 | --- | --- |
| | 26-Apr-06 | 1560 | 1580 | --- | --- |
| | 04-May-06 | 1710 | 1870 | 12,600 | 7.90 |
| | 10-May-06 | 1490 | 1550 | --- | --- |
| | 17-May-06 | 1560 | 1880 | --- | --- |
| | 31-May-06 | 1610 | 1580 | --- | --- |
| | 31-May-06 FD | 1610 | 1600 | --- | --- |
| | 13-Jun-06 | 1420 | 1350 | --- | --- |
| | 28-Jun-06 | 1600 | 1830 | --- | --- |
| MW-44-125 | 09-Mar-06 | 66.6 R | 67.5 R | --- | --- |
| | 22-Mar-06 | 362 | 430 | 12,200 | 8.41 |
| | 04-Apr-06 | 372 | 374 | --- | --- |
| | 20-Apr-06 | 461 | 504 | --- | --- |
| | 26-Apr-06 | 480 | 485 | --- | --- |
| | 26-Apr-06 FD | 479 | 493 | --- | --- |
| | 04-May-06 | 584 | 592 | 12,700 | 8.51 |
| | 10-May-06 | 634 J | 667 | --- | --- |
| | 17-May-06 | 612 | 740 | --- | --- |
| | 31-May-06 | 413 | 398 | --- | --- |
| | 28-Jun-06 | ND (1.0) | 3.20 | --- | --- |
| MW-45-095a | 24-Mar-06 | 259 | 216 | 14,000 | 7.86 |
| MW-45-095b | 24-Mar-06 | 332 | 327 | 15,000 | 7.92 |
| MW-46-175 | 14-Mar-06 | 287 | 279 | 17,700 | 8.30 |
| | 24-Mar-06 | 213 | 173 | 17,800 | 8.57 |
| | 07-Apr-06 | 208 J | 186 | --- | --- |
| | 04-May-06 | 222 | 237 | 15,600 | 8.43 |
| | 18-May-06 | 227 | 268 | --- | --- |
| | 31-May-06 | 139 J | 169 | --- | --- |
| | 15-Jun-06 | 233 | 211 | --- | --- |
| | 30-Jun-06 | 112 | 160 | --- | --- |
| | 30-Jun-06 FD | 111 | 164 | --- | --- |
| MW-46-205 | 14-Mar-06 | ND (1.0) | ND (1.0) | 22,000 | 8.15 |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH |
|------------|-------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|--------|
| MW-46-205 | 24-Mar-06 | ND (1.0) | ND (1.0) | 21,900 | 8.44 |
| | 07-Apr-06 | ND (1.0) J | ND (1.0) | --- | --- |
| | 04-May-06 | ND (1.0) | ND (1.0) | 18,900 | 8.38 |
| | 15-Jun-06 | ND (1.0) | 1.80 | --- | --- |
| MW-47-55 | 23-Mar-06 | 10.9 J | 7.90 | 3,650 | 7.50 |
| | 16-May-06 | 24.0 | 27.3 | --- | --- |
| MW-47-115 | 23-Mar-06 | ND (2.0) J | ND (1.0) | 14,200 | 7.65 |
| | 16-May-06 | 1.40 | 5.10 | --- | --- |
| MW-48 | 18-May-06 | ND (1.0) | ND (1.0) | 16,800 | 7.57 |
| | 06-Jun-06 | ND (1.0) | ND (1.0) | --- | --- |
| MW-49-135 | 25-Apr-06 | ND (1.0) J | ND (1.0) | 16,100 | 5.50 R |
| | 18-May-06 | ND (1.0) | ND (1.0) | --- | --- |
| MW-49-275 | 25-Apr-06 | ND (1.0) | ND (1.0) | 27,700 | 7.25 |
| | 18-May-06 | ND (1.0) | ND (1.0) | --- | --- |
| MW-49-365 | 26-Apr-06 | ND (2.0) | ND (1.0) | 43,200 | 7.36 |
| | 16-May-06 | ND (2.0) | ND (1.0) | --- | --- |
| MW-50-095 | 09-May-06 | 199 | 194 | 5,530 | 7.95 |
| | 24-May-06 | 218 | 221 | --- | --- |
| MW-50-200 | 09-May-06 | 7750 | 7360 | 22,800 | 8.13 |
| | 24-May-06 | 5810 | 5910 | --- | --- |
| MW-51 | 12-May-06 | 4370 | 4630 | 10,900 | 7.68 |
| | 30-May-06 | 4130 | 4530 | --- | --- |
| OW-3D | 06-Oct-05 | 0.30 | ND (1.0) | 6,900 | 8.19 |
| | 09-Mar-06 | 2.50 | 2.20 | 8,240 | 7.82 |
| OW-3M | 06-Oct-05 | 16.7 | 14.3 | 4,680 | 8.12 |
| | 09-Mar-06 | 17.0 | 15.7 | 5,420 | 7.77 |
| OW-3S | 06-Oct-05 | 19.3 | 16.6 | 1,740 | 7.79 |
| | 09-Mar-06 | 21.2 | 18.2 | 1,700 | 7.53 |
| PE-1 | 03-Oct-05 | ND (1.0) | ND (1.0) | 11,800 | 7.14 |
| | 13-Dec-05 | ND (1.0) | ND (1.0) LF | 11,800 | 7.21 |
| | 08-Feb-06 | 136 | 136 LF | 13,200 | 7.57 |
| | 08-Mar-06 | 136 | 125 | 12,000 | 7.52 |
| | 11-May-06 | 118 | 109 | 11,200 | 7.55 |
| | 15-Jun-06 | 101 | 87.3 | 10,600 | 7.53 |
| PGE-6 | 12-Oct-05 | 1630 | 2070 | 3,730 | 7.65 |
| PGE-7 | 13-Oct-05 | ND (1.0) | ND (1.0) | 10,800 | 9.44 |
| PGE-8 | 13-Oct-05 | ND (1.0) J | 2.10 | 16,900 | 8.52 |
| Park Moabi | 15-Jun-05 | 9.90 | 8.60 LF | 1,200 | 8.16 |
| | 05-Oct-05 | 9.20 | 7.60 | 1,280 | 7.69 |
| | 16-Dec-05 | ND (0.2) | ND (1.0) | 2,100 | 7.38 |
| | 06-Mar-06 | 9.50 | 7.80 | 1,260 | 7.69 |
| | 03-May-06 | 9.60 | 11.8 UF | 1,300 | 7.92 |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Well ID | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S}/\text{cm}$) | pH |
|---------|-------------|-----------------------------------------|----------------------------------------------|--------------------------------------------------|------|
| TW-1 | 11-Oct-05 | 3990 | 4340 | 6,200 | 7.32 |
| TW-2D | 15-Jun-05 | 5050 | 4780 LF | 9,230 | 7.98 |
| | 18-Jan-06 | 2180 | 1980 LF | 11,400 | 7.32 |
| | 15-Mar-06 | 1360 | 1360 | 8,960 | 7.41 |
| | 03-May-06 | 1120 | 1120 | 7,190 | 7.44 |
| TW-2S | 16-Jun-05 | 3780 | 4180 LF | 3,120 | 7.98 |
| | 07-Oct-05 | 3360 | 3340 | 2,790 | 7.72 |
| | 15-Mar-06 | 2720 | 2870 | 2,680 | 7.78 |
| | 03-May-06 | 2400 | 2600 | 2,520 | 7.76 |
| TW-3D | 18-Jan-06 | 4330 | 4720 LF | 8,740 | 7.49 |
| | 08-Feb-06 | 3250 | 2880 LF | 9,760 | 7.52 |
| | 08-Mar-06 | 3040 | 3210 | 9,640 | 7.54 |
| | 11-May-06 | 2740 | 2690 | 9,900 | 7.52 |
| | 15-Jun-06 | 2610 | 2450 | 9,900 | 7.63 |
| TW-4 | 18-May-06 | 1.00 | 6.40 | 21,900 | 7.71 |
| | 05-Jun-06 | ND (1.0) | 4.10 | --- | --- |
| TW-5 | 10-May-06 | 1.10 J | 1.30 | 13,600 | 8.05 |
| | 01-Jun-06 | ND (1.0) J | ND (1.0) | --- | --- |

TABLE 3

Groundwater COC Sampling Results, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

NOTES:

| | |
|-------|------------------------------------------------------------------------------------------------------------------|
| µg/L | micrograms per liter |
| µS/cm | microSiemens per centimeter |
| 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 data |
| (---) | not collected or not available |
| FD | field duplicate sample |
| LF | lab filtered |
| UF | unfiltered |

Hexavalent chromium analysis methods: SW 7196A (reporting limit 10 µg/L) and SW 7199 (reporting limit 0.2 µg/L for undiluted samples).

Other analysis methods: total chromium (dissolved concentrations, Methods SW 6020A and SW 6010B), specific conductance (SW 9050), pH (SW 9040).

The following monitoring wells were not sampled during the June 2005 quarterly event due to floodplain inaccessibility: MW-27 cluster, MW-30 cluster, MW-34-55, MW-36 cluster and MW-42 cluster. Monitoring well MW-24BR was not sampled due to problems involving the pump.

Beginning in July 2005, samples analyzed for total chromium by EPA Method 6010B or 6020A were filtered and preserved in the field after sample collection, as per DTSC's June 30, 2005 letter.

Monitoring well MW-24BR was not sampled during the October 2005 monitoring event due to equipment problems.

Groundwater samples were not collected from MW-39-50 in December 2005 due to a field sampling error. Extraction well TW-2S was not sampled in December 2005 due to concurrent plumbing work for TW-3D and PE-1.

Pumping from converted extraction well PE-1 was initiated on Jan 25, 2006.

Monitoring well MW-21 was not sampled in March 2006 due to the well being purged dry.

Monitoring wells MW-12 and MW-29 were sampled in April rather than March 2006 due to inaccessibility to the wells from drilling operations in March.

The field duplicate for monitoring well MW-37S in May 2006 was not analyzed for dissolved total chromium due to a documentation error.

Results for MW-44-125 from the June 28th sampling event are not shown while these data undergo more rigorous field QC evaluation.

TABLE 4

Surface Water COC Sampling Results, June 2005 through June 2006
PG&&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S}/\text{cm}$) | pH |
|----------|-------------|-----------------------------------------|------------------------------------|--------------------------------------------------|------|
| CON | 14-Jun-05 | ND (0.2) | ND (1.0) | 990 | 8.16 |
| | 13-Jul-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 18-Aug-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Sep-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 05-Oct-05 | ND (0.2) | ND (1.0) | 976 | 8.07 |
| | 01-Nov-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 15-Dec-05 | ND (0.2) | ND (1.0) | 1,000 | 8.07 |
| | 11-Jan-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 09-Feb-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 06-Mar-06 | ND (0.2) | ND (1.0) | 1,010 | 8.13 |
| | 07-Apr-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 03-May-06 | ND (0.2) | ND (1.0) | 997 | 8.38 |
| | 15-Jun-06 | ND (0.2) | ND (1.0) | --- | --- |
| I-3 | 14-Jun-05 | ND (0.2) | ND (1.0) | 981 | 8.11 |
| | 13-Jul-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 18-Aug-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Sep-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 05-Oct-05 | ND (0.2) | ND (1.0) | 968 | 8.08 |
| | 01-Nov-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 15-Dec-05 | ND (0.2) | ND (1.0) | 1,000 | 8.08 |
| | 11-Jan-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 10-Feb-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 06-Mar-06 | ND (0.2) | ND (1.0) | 1,010 | 8.15 |
| | 07-Apr-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 03-May-06 | ND (0.2) | ND (1.0) | 968 | 8.41 |
| | 15-Jun-06 | ND (0.2) | ND (1.0) | --- | --- |
| NR-1 | 14-Jun-05 | ND (0.2) | ND (1.0) | 987 | 8.04 |
| | 13-Jul-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 18-Aug-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Sep-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 05-Oct-05 | ND (0.2) | ND (1.0) | 972 | 8.10 |
| | 01-Nov-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 15-Dec-05 | ND (0.2) | ND (1.0) | 1,010 | 8.13 |
| | 10-Jan-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Feb-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 06-Mar-06 | ND (0.2) | ND (1.0) | 1,010 | 8.05 |
| | 07-Apr-06 | ND (0.2) J | ND (1.0) | --- | --- |
| | 03-May-06 | ND (0.2) | ND (1.0) | 986 | 8.39 |
| | 16-Jun-06 | ND (0.2) | ND (1.0) | --- | --- |
| NR-2 | 14-Jun-05 | ND (0.2) | ND (1.0) | 961 | 8.22 |
| | 14-Jul-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 18-Aug-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Sep-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 05-Oct-05 | ND (0.2) | ND (1.0) | 971 | 8.12 |
| | 01-Nov-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 15-Dec-05 | ND (0.2) | ND (1.0) | 1,000 | 8.18 |

TABLE 4

Surface Water COC Sampling Results, June 2005 through June 2006
PG&&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Hexavalent Chromium (µg/L) | Total Chromium (µg/L) | Specific Conductance (µS/cm) | pH |
|-----------------|--------------------|-----------------------------------|------------------------------|-------------------------------------|-----------|
| NR-2 | 10-Jan-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Feb-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 06-Mar-06 | ND (0.2) | ND (1.0) | 1,010 | 8.11 |
| | 07-Apr-06 | ND (0.2) J | ND (1.0) | --- | --- |
| | 03-May-06 | ND (0.2) | ND (1.0) | 992 | 8.36 |
| | 16-Jun-06 | ND (0.2) | ND (1.0) | --- | --- |
| NR-3 | 14-Jun-05 | ND (0.2) | ND (1.0) | 996 | 8.03 |
| | 14-Jul-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 18-Aug-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Sep-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 05-Oct-05 | ND (0.2) | ND (1.0) | 968 | 8.09 |
| | 01-Nov-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 15-Dec-05 | ND (0.2) | ND (1.0) | 1,000 | 8.18 |
| | 10-Jan-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Feb-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 06-Mar-06 | ND (0.2) | ND (1.0) | 1,010 | 8.02 |
| | 07-Apr-06 | ND (0.2) J | ND (1.0) | --- | --- |
| | 03-May-06 | ND (0.2) | ND (1.0) | 830 | 8.32 |
| | 16-Jun-06 | ND (0.2) | ND (1.0) | --- | --- |
| R-22 | 14-Jun-05 | ND (0.2) | ND (1.0) | 987 | 8.09 |
| | 13-Jul-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 18-Aug-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Sep-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 05-Oct-05 | ND (0.2) | ND (1.0) | 981 | 8.07 |
| | 01-Nov-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 16-Dec-05 | ND (0.2) | ND (1.0) | 1,020 | 8.13 |
| | 11-Jan-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 08-Feb-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 06-Mar-06 | ND (0.2) | ND (1.0) | 1,010 | 8.01 |
| | 07-Apr-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 03-May-06 | ND (0.2) | ND (1.0) | 998 | 8.41 |
| | 15-Jun-06 | ND (0.2) | ND (1.0) | --- | --- |
| R-27 | 14-Jun-05 | ND (0.2) | ND (1.0) | 989 | 8.10 |
| | 13-Jul-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 18-Aug-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Sep-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 05-Oct-05 | ND (0.2) | ND (1.0) | 969 | 8.09 |
| | 01-Nov-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 16-Dec-05 | ND (0.2) | ND (1.0) | 1,010 | 8.11 |
| | 12-Jan-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 08-Feb-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 06-Mar-06 | ND (0.2) | ND (1.0) | 1,010 | 8.09 |
| | 07-Apr-06 | ND (0.2) J | ND (1.0) | --- | --- |
| | 03-May-06 | ND (0.2) | ND (1.0) | 1,010 | 8.38 |
| | 15-Jun-06 | ND (0.2) | ND (1.0) | --- | --- |
| R-28 | 14-Jun-05 | ND (0.2) | ND (1.0) | 988 | 8.11 |

TABLE 4

Surface Water COC Sampling Results, June 2005 through June 2006
PG&&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S}/\text{cm}$) | pH |
|----------|-------------|-----------------------------------------|------------------------------------|--------------------------------------------------|------|
| R-28 | 14-Jul-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 18-Aug-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Sep-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 05-Oct-05 | ND (0.2) J | ND (1.0) | 970 | 8.08 |
| | 01-Nov-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 16-Dec-05 | ND (0.2) | ND (1.0) | 1,010 | 8.16 |
| | 10-Jan-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 08-Feb-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 06-Mar-06 | ND (0.2) | ND (1.0) | 1,010 | 8.15 |
| | 07-Apr-06 | ND (0.2) J | ND (1.0) | --- | --- |
| | 03-May-06 | ND (0.2) | ND (1.0) | 877 | 8.36 |
| | 15-Jun-06 | ND (0.2) | ND (1.0) | --- | --- |
| RRB | 14-Jun-05 | ND (0.2) | ND (1.0) | 986 | 8.05 |
| | 14-Jul-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 18-Aug-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 07-Sep-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 05-Oct-05 | ND (0.2) | ND (1.0) | 998 | 7.88 |
| | 01-Nov-05 | ND (0.2) | ND (1.0) | --- | --- |
| | 08-Feb-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 06-Mar-06 | ND (0.2) | ND (1.0) | 1,040 | 8.05 |
| | 07-Apr-06 | ND (0.2) | ND (1.0) | --- | --- |
| | 03-May-06 | ND (0.2) | ND (1.0) | 920 | 8.40 |
| | 16-Jun-06 | ND (0.2) | ND (1.0) | --- | --- |

NOTES:

$\mu\text{g/L}$ micrograms per liter

$\mu\text{S}/\text{cm}$ microSiemens per centimeter

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 decision-making.

(---) data not collected or not available

FD field duplicate sample

Hexavalent chromium analysis method: SW7199 (reporting limit 0.2 $\mu\text{g/L}$)

Other analysis methods: total chromium (Methods SW 6020A and SW 6010B), specific conductance (EPA120.1), pH (EPA150.1)

Surface water station RRB was not sampled in December 2005 due to the location being dry

TABLE 5

In-Channel Surface Water COC and Additional Parameters Sampling Results, July 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH | Hardness mg/L | Total Dissolved Solids mg/L | Total Suspended Solids mg/L |
|----------|-------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|---------------|-----------------------------|-----------------------------|
| C-CON-S | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.11 | 344 | 635 | ND (10) |
| C-CON-M | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.09 | 344 | 640 | ND (10) |
| C-CON-D | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.10 | 324 | 655 | ND (10) |
| C-CON-S | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,100 | 8.13 | 328 | 710 | ND (10) |
| C-CON-M | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.10 | 328 | 730 | ND (10) |
| C-CON-D | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.06 | 328 | 700 | ND (10) |
| C-CON-S | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 328 | --- | --- |
| C-CON-M | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 330 | --- | --- |
| C-CON-D | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 320 | --- | --- |
| C-CON-S | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.17 | 328 | 720 | ND (10) |
| C-CON-M | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.17 | 332 | 730 | ND (10) |
| C-CON-D | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.14 | 340 | 710 | ND (10) |
| C-CON-S | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 334 | --- | --- |
| C-CON-M | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 328 | --- | --- |
| C-CON-D | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 330 | --- | --- |
| C-CON-S | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.23 | 344 | 740 | ND (10) |
| C-CON-M | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.23 | 349 | 740 | ND (10) |
| C-CON-D | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.24 | 340 | 730 | ND (10) |
| C-CON-S | 15-Jun-06 | ND (0.2) | ND (1.0) | 987 | 8.12 | 340 | 695 | ND (10) |
| C-CON-M | 15-Jun-06 | ND (0.2) | ND (1.0) | 979 | 8.13 | 340 | 710 | ND (10) |
| C-CON-D | 15-Jun-06 | ND (0.2) | ND (1.0) | 964 | 8.13 | 336 | 710 | ND (10) |
| C-I-3-S | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.16 | 348 | 615 | ND (10) |
| C-I-3-M | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,100 | 8.11 | 352 | 635 | ND (10) |
| C-I-3-D | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.15 | 332 | 620 | ND (10) |
| C-I-3-S | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.16 | 324 | 750 | ND (10) |

TABLE 5

In-Channel Surface Water COC and Additional Parameters Sampling Results, July 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH | Hardness mg/L | Total Dissolved Solids mg/L | Total Suspended Solids mg/L |
|----------|-------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|---------------|-----------------------------|-----------------------------|
| C-I-3-M | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.24 | 316 | 725 | ND (10) |
| C-I-3-D | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.10 | 324 | 730 | ND (10) |
| C-I-3-S | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 328 | --- | --- |
| C-I-3-M | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 316 | --- | --- |
| C-I-3-D | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 332 | --- | --- |
| C-I-3-S | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.20 | 332 | 750 | ND (10) |
| C-I-3-M | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.16 | 328 | 705 | ND (10) |
| C-I-3-D | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.18 | 336 | 730 | ND (10) |
| C-I-3-S | 19-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 330 | --- | --- |
| C-I-3-M | 19-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 330 | --- | --- |
| C-I-3-D | 19-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 332 | --- | --- |
| C-I-3-S | 23-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.30 | 336 | 735 | ND (10) |
| C-I-3-M | 23-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.29 | 336 | 725 | ND (10) |
| C-I-3-D | 23-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.29 | 344 | 720 | ND (10) |
| C-I-3-S | 15-Jun-06 | ND (0.2) | ND (1.0) | 950 | 8.06 | 340 | 715 | ND (10) |
| C-I-3-M | 15-Jun-06 | ND (0.2) | ND (1.0) | 956 | 8.08 | 340 | 710 | ND (10) |
| C-I-3-D | 15-Jun-06 | ND (0.2) | ND (1.0) | 954 | 8.09 | 370 | 675 | ND (10) |
| C-MAR-M | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,150 | 8.11 | 336 | 740 | 103 |
| C-MAR-S | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 360 | --- | --- |
| C-MAR-M | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 364 | --- | --- |
| C-MAR-D | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 348 | --- | --- |
| C-MAR-M | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,380 | 7.95 | 422 | 950 | 20.0 |
| C-MAR-M | 19-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 368 | --- | --- |
| C-MAR-M | 23-Mar-06 | ND (0.2) | ND (1.0) | 1,170 | 7.97 | 392 | 830 | 46.0 |
| C-MAR-S | 15-Jun-06 | ND (0.2) | ND (1.0) | 987 | 7.86 | 353 | 685 | 32.0 |

TABLE 5

In-Channel Surface Water COC and Additional Parameters Sampling Results, July 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH | Hardness mg/L | Total Dissolved Solids mg/L | Total Suspended Solids mg/L |
|----------|-------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|---------------|-----------------------------|-----------------------------|
| C-MAR-D | 15-Jun-06 | ND (0.2) | ND (1.0) | 1,000 | 7.87 | 366 | 705 | 31.0 |
| C-NR1-S | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,100 | 8.19 | 336 | 610 | ND (10) |
| C-NR1-M | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.16 | 348 | 600 | ND (10) |
| C-NR1-D | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,080 | 8.18 | 336 | 605 | ND (10) |
| C-NR1-S | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.18 | 324 | 725 | ND (10) |
| C-NR1-M | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,100 | 8.13 | 324 | 730 | ND (10) |
| C-NR1-D | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.13 | 320 | 740 | ND (10) |
| C-NR1-S | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 300 | --- | --- |
| C-NR1-M | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 320 | --- | --- |
| C-NR1-D | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 324 | --- | --- |
| C-NR1-S | 14-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.18 | 336 | 705 | ND (10) |
| C-NR1-M | 14-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.21 | 340 | 695 | ND (10) |
| C-NR1-D | 14-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.11 | 332 | 700 | ND (10) |
| C-NR1-S | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 330 | --- | --- |
| C-NR1-M | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 328 | --- | --- |
| C-NR1-D | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 326 | --- | --- |
| C-NR1-S | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.24 | 344 | 730 | ND (10) |
| C-NR1-M | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.23 | 349 | 720 | ND (10) |
| C-NR1-D | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.23 | 344 | 765 | ND (10) |
| C-NR1-S | 16-Jun-06 | ND (0.2) | ND (1.0) | 950 | 9.56 | 328 | 690 | ND (10) |
| C-NR1-M | 16-Jun-06 | ND (0.2) | ND (1.0) | 938 | 9.62 | 328 | 700 | ND (10) |
| C-NR1-D | 16-Jun-06 | ND (0.2) | ND (1.0) | 931 | 9.60 | 340 | 725 | ND (10) |
| C-NR3-S | 14-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.05 | 344 | 695 | ND (10) |
| C-NR3-M | 14-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.06 | 352 | 730 | ND (10) |
| C-NR3-D | 14-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.07 | 348 | 710 | ND (10) |

TABLE 5

In-Channel Surface Water COC and Additional Parameters Sampling Results, July 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH | Hardness mg/L | Total Dissolved Solids mg/L | Total Suspended Solids mg/L |
|----------|-------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|---------------|-----------------------------|-----------------------------|
| C-NR3-S | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.18 | 328 | 735 | ND (10) |
| C-NR3-M | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.20 | 324 | 725 | ND (10) |
| C-NR3-D | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.17 | 320 | 750 | ND (10) |
| C-NR3-S | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 328 | --- | --- |
| C-NR3-M | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 308 | --- | --- |
| C-NR3-D | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 324 | --- | --- |
| C-NR3-S | 14-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.15 | 336 | 730 | ND (10) |
| C-NR3-M | 14-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.20 | 332 | 690 | ND (10) |
| C-NR3-D | 14-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.18 | 336 | 665 | ND (10) |
| C-NR3-S | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 330 | --- | --- |
| C-NR3-M | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 330 | --- | --- |
| C-NR3-D | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 340 | --- | --- |
| C-NR3-S | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.23 | 349 | 790 | ND (10) |
| C-NR3-M | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.21 | 349 | 745 | ND (10) |
| C-NR3-D | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.20 | 336 | 715 | ND (10) |
| C-NR3-S | 16-Jun-06 | ND (0.2) | ND (1.0) | 915 | 9.88 | 340 | 715 | ND (10) |
| C-NR3-M | 16-Jun-06 | ND (0.2) | ND (1.0) | 934 | 9.92 | 340 | 690 | ND (10) |
| C-NR3-D | 16-Jun-06 | ND (0.2) | ND (1.0) | 957 | 9.82 | 345 | 715 | ND (10) |
| C-NR4-S | 14-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.09 | 340 | 715 | ND (10) |
| C-NR4-M | 14-Jul-05 | ND (0.2) | ND (1.0) | 1,080 | 7.96 | 344 | 700 | ND (10) |
| C-NR4-D | 14-Jul-05 | ND (0.2) | ND (1.0) | 1,080 | 8.07 | 348 | 670 | ND (10) |
| C-NR4-S | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.10 | 324 | 735 | ND (10) |
| C-NR4-M | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.12 | 324 | 745 | ND (10) |
| C-NR4-D | 22-Sep-05 | ND (0.2) | ND (1.0) | 1,100 | 8.11 | 324 | 720 | ND (10) |
| C-NR4-S | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 328 | --- | --- |

TABLE 5

In-Channel Surface Water COC and Additional Parameters Sampling Results, July 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH | Hardness mg/L | Total Dissolved Solids mg/L | Total Suspended Solids mg/L |
|----------|-------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|---------------|-----------------------------|-----------------------------|
| C-NR4-M | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 324 | --- | --- |
| C-NR4-D | 09-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 336 | --- | --- |
| C-NR4-S | 14-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.04 | 336 | 715 | ND (10) |
| C-NR4-M | 14-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.17 | 340 | 690 | ND (10) |
| C-NR4-D | 14-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.15 | 336 | 680 | ND (10) |
| C-NR4-S | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 320 | --- | --- |
| C-NR4-M | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 330 | --- | --- |
| C-NR4-D | 18-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 328 | --- | --- |
| C-NR4-S | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.21 | 344 | 725 | ND (10) |
| C-NR4-M | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,020 | 8.10 | 340 | 745 | ND (10) |
| C-NR4-D | 22-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.22 | 344 | 730 | ND (10) |
| C-NR4-S | 16-Jun-06 | ND (0.2) | ND (1.0) | 931 | 9.88 | 366 | 685 | ND (10) |
| C-NR4-M | 16-Jun-06 | ND (0.2) | ND (1.0) | 922 | 9.86 | 345 | 655 | ND (10) |
| C-NR4-D | 16-Jun-06 | ND (0.2) | ND (1.0) | 902 | 9.92 | 332 | 685 | ND (10) |
| C-R22-S | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.18 | 352 | 630 | ND (10) |
| C-R22-M | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.11 | 352 | 610 | ND (10) |
| C-R22-D | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,100 | 8.17 | 352 | 590 | ND (10) |
| C-R22-S | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.19 | 336 | 720 | ND (10) |
| C-R22-M | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.17 | 336 | 735 | ND (10) |
| C-R22-D | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.17 | 328 | 715 | ND (10) |
| C-R22-S | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 320 | --- | --- |
| C-R22-M | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 324 | --- | --- |
| C-R22-D | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 330 | --- | --- |
| C-R22-S | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.18 | 332 | 710 | ND (10) |
| C-R22-M | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.17 | 336 | 705 | ND (10) |

TABLE 5

In-Channel Surface Water COC and Additional Parameters Sampling Results, July 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH | Hardness mg/L | Total Dissolved Solids mg/L | Total Suspended Solids mg/L |
|----------|-------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|---------------|-----------------------------|-----------------------------|
| C-R22-D | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.21 | 336 | 720 | ND (10) |
| C-R22-S | 19-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 330 | --- | --- |
| C-R22-M | 19-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 330 | --- | --- |
| C-R22-D | 19-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 336 | --- | --- |
| C-R22-S | 23-Mar-06 | ND (0.2) | ND (1.0) | 1,040 | 8.26 | 340 | 735 | ND (10) |
| C-R22-M | 23-Mar-06 | ND (0.2) | ND (1.0) | 1,040 | 8.29 | 340 | 725 | ND (10) |
| C-R22-D | 23-Mar-06 | ND (0.2) | ND (1.0) | 1,020 | 8.28 | 344 | 725 | ND (10) |
| C-R22-S | 15-Jun-06 | ND (0.2) | ND (1.0) | 966 | 8.14 | 349 | 680 | ND (10) |
| C-R22-M | 15-Jun-06 | ND (0.2) | ND (1.0) | 988 | 8.14 | 332 | 700 | ND (10) |
| C-R22-D | 15-Jun-06 | ND (0.2) | ND (1.0) | 954 | 8.02 | 375 | 700 | ND (10) |
| C-R27-S | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.14 | 340 | 625 | ND (10) |
| C-R27-M | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.15 | 356 | 630 | ND (10) |
| C-R27-D | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,100 | 8.13 | 348 | 635 | ND (10) |
| C-R27-S | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.07 | 324 | 745 | ND (10) |
| C-R27-M | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.22 | 320 | 730 | ND (10) |
| C-R27-D | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,100 | 8.10 | 320 | 750 | ND (10) |
| C-R27-S | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 332 | --- | --- |
| C-R27-M | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 316 | --- | --- |
| C-R27-D | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 332 | --- | --- |
| C-R27-S | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.18 | 340 | 715 | ND (10) |
| C-R27-M | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.18 | 357 | 700 | ND (10) |
| C-R27-D | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,060 | 8.14 | 340 | 710 | ND (10) |
| C-R27-S | 19-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 338 | --- | --- |
| C-R27-M | 19-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 328 | --- | --- |
| C-R27-D | 19-Jan-06 | ND (0.2) | ND (1.0) | --- | --- | 316 | --- | --- |

TABLE 5

In-Channel Surface Water COC and Additional Parameters Sampling Results, July 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Hexavalent Chromium ($\mu\text{g/L}$) | Dissolved Total Chromium ($\mu\text{g/L}$) | Specific Conductance ($\mu\text{S/cm}$) | pH | Hardness mg/L | Total Dissolved Solids mg/L | Total Suspended Solids mg/L |
|----------|-------------|-----------------------------------------|----------------------------------------------|-------------------------------------------|------|---------------|-----------------------------|-----------------------------|
| C-R27-M | 23-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.29 | 353 | 730 | ND (10) |
| C-R27-S | 15-Jun-06 | ND (0.2) | ND (1.0) | 965 | 8.14 | 340 | 690 | ND (10) |
| C-R27-M | 15-Jun-06 | ND (0.2) | ND (1.0) | 980 | 8.14 | 336 | 715 | ND (10) |
| C-R27-D | 15-Jun-06 | ND (0.2) | ND (1.0) | 976 | 8.14 | 328 | 665 | ND (10) |
| C-TAZ-S | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.21 | 328 | 650 | ND (10) |
| C-TAZ-M | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,080 | 8.17 | 348 | 655 | ND (10) |
| C-TAZ-D | 13-Jul-05 | ND (0.2) | ND (1.0) | 1,090 | 8.18 | 344 | 615 | ND (10) |
| C-TAZ-S | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.12 | 316 | 710 | ND (10) |
| C-TAZ-M | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.06 | 324 | 730 | ND (10) |
| C-TAZ-D | 21-Sep-05 | ND (0.2) | ND (1.0) | 1,110 | 8.13 | 320 | 705 | ND (10) |
| C-TAZ-S | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 340 | --- | --- |
| C-TAZ-M | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 324 | --- | --- |
| C-TAZ-D | 08-Nov-05 | ND (0.2) | ND (1.0) | --- | --- | 320 | --- | --- |
| C-TAZ-S | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.15 | 344 | 715 | ND (10) |
| C-TAZ-M | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.20 | 340 | 705 | ND (10) |
| C-TAZ-D | 13-Dec-05 | ND (0.2) | ND (1.0) | 1,070 | 8.21 | 340 | 730 | ND (10) |
| C-TAZ-S | 19-Jan-06 | NA | ND (1.0) | --- | --- | 324 | --- | --- |
| C-TAZ-M | 19-Jan-06 | NA | ND (1.0) | --- | --- | 332 | --- | --- |
| C-TAZ-D | 19-Jan-06 | NA | ND (1.0) | --- | --- | 340 | --- | --- |
| C-TAZ-S | 23-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.31 | 344 | 745 | ND (10) |
| C-TAZ-M | 23-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.31 | 344 | 715 | ND (10) |
| C-TAZ-D | 23-Mar-06 | ND (0.2) | ND (1.0) | 1,030 | 8.30 | 340 | 745 | ND (10) |
| C-TAZ-S | 15-Jun-06 | ND (0.2) | ND (1.0) | 958 | 8.08 | 340 | 680 | ND (10) |
| C-TAZ-M | 15-Jun-06 | ND (0.2) | ND (1.0) | 962 | 8.09 | 345 | 695 | ND (10) |
| C-TAZ-D | 15-Jun-06 | ND (0.2) | ND (1.0) | 972 | 8.11 | 353 | 730 | ND (10) |

TABLE 5

In-Channel Surface Water COC and Additional Parameters Sampling Results, July 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

NOTES:

µg/L micrograms per liter
µS/cm microSiemens per centimeter
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 decision-making
(--) data not collected or not available
FD field duplicate sample
NA not analyzed

Hexavalent chromium analysis method: SW 7199 (reporting limit 0.2 µg/L)

Other analysis methods: total chromium (dissolved concentrations, Methods SW 6020A and SW 6010B, reporting limit 1 µg/L for undiluted samples), specific conductance (EPA120.1), pH (EPA150.1), hardness (EPA130.2), total dissolved solids (EPA160.1), and total suspended solids (EPA160.2).

The sample ID's for the depth-specific surface water samples are:

S = shallow (1 foot from water surface)
M = middle (mid-point of water column)
D = deep (1 foot from river bottom)

In January 2006, river samples from C-TAZ were not analyzed for hexavalent chromium due to holding time being exceeded from sudden illness of the courier. River samples were not collected at C-MAR-S and C-MAR-D due to shallow water column at location.

In March 2006, river samples were not collected at C-MAR-S, C-MAR-D, C-R27-S and C-R27-D due to shallow water column at locations.

In June 2006, river sample was not collected at C-MAR-M due to shallow water column at that location.

TABLE 6

Interim Measures Performance Monitoring Analytical Results, March 2004 through June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Total Dissolved Solids | Oxygen 18 | Deuterium | Chloride | Sulfate | Nitrate | Bromide | Calcium | Magnesium | Potassium | Sodium | Boron | Alkalinity |
|-------------------------|--------------|------------------------|-----------|-----------|----------|---------|---------|----------|---------|-----------|-----------|--------|-------|------------|
| Monitoring Wells | | | | | | | | | | | | | | |
| MW-20-70 | 03-Mar-04 | 2300 | -6.5 | -39.0 | 890 | 440 | 9.7 | 0.6 | 230 | 52 | 11 | 480 | 0.3 | 75 |
| | 03-Mar-04 FD | 2300 | -6.5 | -53.0 | 890 | 440 | 9.7 | 0.6 | 220 | 51 | 11 | 460 | 0.3 | 72 |
| | 11-May-04 | 2100 | -5.5 | -53.0 | 800 | 450 | 10 | ND (0.5) | 210 | 48 | 9.7 | 490 | 0.4 | 76 |
| | 24-Sep-04 | 2200 | -6.5 | -57.0 | 824 | 402 | 9.7 | ND (1) | 180 | 58.5 | 12 | 430 | 0.2 | 74 |
| | 16-Dec-04 | 2080 | -7.3 | -60.0 | 753 | 374 | 9.68 | 0.604 | 177 J | 52.5 | 9.05 | 410 | 0.497 | 70 |
| | 10-Mar-05 | 1940 | -7.1 | -59.0 | 740 | 378 | 9.98 | ND (1) | 198 | 55.4 | 9.89 | 431 | 0.412 | 81.7 |
| | 15-Jun-05 | 1980 | -7 | -60.0 | 749 | 388 | 9.79 | ND (1) | 189 | 55.4 | 10.5 | 433 | 0.414 | 73.8 |
| | 15-Jun-05 FD | 2050 | -8.3 | -57.0 | 760 | 392 | 9.81 | ND (1) | 204 | 60.7 | 11.4 | 468 | 0.445 | 71.3 |
| | 11-Oct-05 | 1950 | -7.2 | -57.0 | 737 | 359 | 9.48 | 0.641 | 198 | 49.9 | 14.6 | 323 | 0.402 | 69.9 |
| | 15-Dec-05 | 1830 | -7.1 | -49.0 | 645 | 326 | 9.9 | ND (1) | 138 | 42.3 | 14.5 | 267 | 0.441 | 77.8 |
| | 10-Mar-06 | 1940 | -7.2 | -54.0 | 679 | 358 | 10.5 | ND (0.5) | 161 | 48.6 | 9.22 | 424 | 0.427 | 82.2 |
| | 05-May-06 | 1750 | -8.2 | -55.9 | 696 | 376 | 9.86 | 0.574 | 162 | 49.2 | 9.55 | 461 | 0.476 | 74.5 |
| MW-20-100 | 03-Mar-04 | 3400 | -4.2 | -38.0 | 1300 | 740 | 9.6 | 0.7 | 170 | 20 | 11 | 1100 | 1 | 82 |
| | 11-May-04 | 3600 | -2.7 | -37.0 | 1300 | 700 | 9.6 | 0.5 | 150 | 18 | 10 | 1100 | 1 | 81 |
| | 24-Sep-04 | 3000 | -4.8 | -44.0 | 1180 | 621 | 8.85 | ND (1) | 140 | 23 | 13 | 860 | 0.8 | 100 |
| | 16-Dec-04 | 2840 | -5 | -47.0 | 1050 | 562 | 8.5 | 0.654 | 152 | 23.4 | 16.6 | 772 | 0.971 | 90 |
| | 10-Mar-05 | 2490 | -5.2 | -49.0 | 466 | 511 | 9.98 | ND (1) | 133 | 19.8 | 8.98 | 712 | 0.859 | 84.2 |
| | 15-Jun-05 | 2500 | -4.7 | -46.0 | 921 | 506 | 9.02 | ND (1) | 137 | 21.3 | 9.06 | 592 | 0.713 | 84 |
| | 11-Oct-05 | 2400 | -5.3 | -48.0 | 887 | 484 | 8.87 | 0.731 | 170 | 23.7 | 15.2 | 500 | 0.718 | 82.3 |
| | 15-Dec-05 | 2340 | -5.4 | -40.0 | 813 | 404 | 9.65 | ND (1) | 136 | 21.4 | 14.8 | 406 | 0.709 | 82.7 |
| | 10-Mar-06 | 2500 | -5.6 | -50.3 | 861 | 475 | 9.94 | ND (0.5) | 171 | 27 | 7.75 | 597 | 0.803 | 92.5 |
| | 05-May-06 | 2260 | -5.1 | -46.4 | 927 | 522 | 9.99 | ND (1) | 193 | 32 | 10.8 | 577 | 0.716 | 82.5 |
| MW-20-130 | 03-Mar-04 | 11000 | -6.6 | -60.0 | 6200 | 960 | 6.2 | ND (2.5) | 400 | 19 | 35 | 3500 | 1.7 | 45 |
| | 11-May-04 | 8300 | -5 | -49.0 | 3300 | 1000 | 9.8 | ND (0.5) | 280 | 14 | 26 | 2500 | 1.7 | 62 |
| | 24-Sep-04 | 7800 | -4.4 | -45.0 | 7240 | 2280 | 9.8 | ND (4) | 240 | 15 | 33 | 2400 | 1.9 | 66 |
| | 27-Jan-05 | 7350 | -5.7 | -48.0 | 3790 | 1140 | 10.4 | 3.16 | 313 | 16.1 | 43.5 | 2260 | 2.03 | 66 |
| | 09-Mar-05 | 5520 | -5.8 | -56.0 | 3120 | 1080 | 10.9 | ND (1) | 219 | 12.1 | 24.7 | 2250 | 1.9 | 68.9 |
| | 09-Mar-05 FD | 6200 | -5.4 | -51.0 | 3080 | 1080 | 10.9 | ND (1) | 231 | 12.8 | 25.4 | 2390 | 1.99 | 68.9 |
| | 15-Jun-05 | 7790 | -5 | -48.0 | 3410 | 1230 | 11.1 | ND (1) | 352 | 23.2 | 31.3 | 2980 | 2.75 | 68.7 |
| | 07-Oct-05 | 7330 | -5 | -47.0 | 3010 | 1210 | 10.9 | 1.04 J | 349 | 13.9 | 38.4 | 2070 | 2.41 | 72.4 |
| | 16-Dec-05 | 7860 | -5.8 | -43.0 | 3260 | 1000 | 10.7 | ND (2.5) | 324 | 16.3 | 44.4 | 1780 | 1.98 | 63.2 |

TABLE 6

Interim Measures Performance Monitoring Analytical Results, March 2004 through June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Total Dissolved Solids | Oxygen 18 | Deuterium | Chloride | Sulfate | Nitrate | Bromide | Calcium | Magnesium | Potassium | Sodium | Boron | Alkalinity |
|-------------------------|--------------|------------------------|-----------|-----------|----------|---------|----------|----------|---------|-----------|-----------|--------|----------|------------|
| Monitoring Wells | | | | | | | | | | | | | | |
| MW-20-130 | 10-Mar-06 | 8610 | -5.5 | -48.8 | 3370 | 1250 | 10.6 | ND (0.5) | 312 | 18.9 | 27.7 | 2730 | 2.03 | 74.5 |
| | 05-May-06 | 7700 | -5.3 | -47.2 | 3900 | 1280 | 8.95 | ND (1) | 349 | 20.3 | 27.7 | 2810 | 2.4 | 69.2 |
| 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 |
| | 09-Mar-05 | 877 | -8.4 | -62.0 | 247 | 169 | 3.64 | ND (0.5) | 77.6 | 16.1 | 6.24 | 211 | 0.441 | 158 |
| | 14-Jun-05 | 942 | -8.6 | -61.0 | 289 | 183 | 3.89 | ND (0.5) | 93.5 | 20 | 8.91 | 253 | 0.464 | 137 |
| | 14-Jun-05 FD | 980 | -7.2 | -59.0 | 294 | 185 | 3.94 | ND (0.5) | 100 | 20.9 | 9.06 | 268 | 0.475 | 137 |
| | 04-Oct-05 | 950 | -8.2 | -68.0 | 252 | 171 | 3.77 | ND (0.5) | 83.3 | 14.9 | 9.93 | 164 | 0.362 | 141 |
| | 04-Oct-05 FD | 910 | -8.3 | -60.0 | 251 | 171 | 3.75 | ND (0.5) | 94.6 | 15.3 | 10.2 | 185 | 0.371 | 146 |
| | 14-Dec-05 | 838 | -8.4 | -55.0 | 224 | 158 | 3.74 | ND (0.5) | 75.5 | 14.5 | 9.8 | 143 | 0.396 | 153 |
| | 14-Dec-05 FD | 896 | -8.4 | -50.0 | 219 | 155 | 3.75 | ND (0.5) | 73 | 14.1 | 9.71 | 151 | 0.382 | 156 |
| | 09-Mar-06 | 910 | -8.4 | -64.1 | 245 | 164 | 3.83 | ND (0.5) | 76.4 | 15.6 | 6.97 | 210 | 0.39 | 170 |
| | 03-May-06 | 907 | -9 | -59.4 | 272 | 172 | 3.95 | ND (0.5) | 78 | 17.3 | 7.38 | 222 | 0.418 | 150 |
| | 03-May-06 FD | 924 | -9 | -61.0 | 274 | 173 | 3.94 | ND (0.5) | 79.7 | 17.8 | 7.53 | 245 | 0.431 | 155 |
| 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 R | -8.4 | -60.0 | 850 | 480 | 5.1 | ND (0.5) | 190 | 50 | 14 | 490 | 0.6 | 110 |
| | 22-Sep-04 | 2300 | -6.7 | -59.0 | 821 | 472 | 5.65 | ND (1) | 170 | 46 | 13 | 390 | 0.4 | 98 |
| | 16-Dec-04 | 2130 | -8.6 | -64.0 | 835 | 388 | 5 | 0.578 | 176 | 45.7 | 17.8 | 466 | 0.662 | 100 |
| | 08-Mar-05 | 1840 | -8.8 | -70.0 | 756 | 370 | 4.48 | ND (0.5) | 166 | 41.6 | 10.7 | 439 | 0.557 | 98.7 |
| | 08-Mar-05 FD | 1800 | -8.7 | -70.0 | 708 | 338 | 4.45 | ND (0.5) | 166 | 40.9 | 11.4 | 438 | 0.559 | 96.1 |
| | 13-Jun-05 | 2130 | -8.2 | -65.0 | 847 | 371 | 4.9 | ND (0.5) | 178 | 44.6 | 14 | 511 | 0.663 | 103 |
| | 04-Oct-05 | 2120 | -7.8 | -68.0 | 779 | 372 | 4.88 | 0.601 | 166 | 40.4 | 19.8 | 352 | 0.526 | 109 |
| | 12-Dec-05 | 2610 | -8.5 | -55.0 | 788 | 372 | 4.88 | 0.546 | 162 | 39.9 | 20.3 | 349 | 0.613 | 99.7 |
| | 08-Mar-06 | 2070 | -8.6 | -60.4 | 772 | 324 | 4.9 | ND (0.5) | 155 | 38.1 | 11.7 | 434 J | 0.621 | 121 |
| | 01-May-06 | 2130 | -8.9 | -62.7 | 927 | 382 | 4.87 | ND (0.5) | 165 | 42 | 12.8 | 555 | 0.723 | 121 |
| MW-27-20 | 03-Mar-04 | 640 | -11.7 | -100.0 | 74 | 200 | ND (0.4) | ND (0.5) | 79 | 26 | 4 | 84 | ND (0.2) | 180 |
| | 12-May-04 | 570 | -11.3 | -98.0 | 72 | 200 | ND (0.4) | ND (0.5) | 77 | 25 | 3.7 | 87 | ND (0.2) | 170 |
| | 21-Sep-04 | 670 | -12.3 | -92.0 | 77.2 | 212 | ND (0.2) | ND (0.2) | 76 | 26 | 5 | 82 | ND (0.2) | 160 |
| | 15-Dec-04 | 692 | -11.9 | -101.0 | 87.2 | 236 | ND (0.5) | ND (0.5) | 91.5 | 32.6 | 4.61 | 88.4 | ND (0.2) | 169 |

TABLE 6

Interim Measures Performance Monitoring Analytical Results, March 2004 through June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Total Dissolved Solids | Oxygen 18 | Deuterium | Chloride | Sulfate | Nitrate | Bromide | Calcium | Magnesium | Potassium | Sodium | Boron | Alkalinity |
|-------------------------|--------------|------------------------|-----------|-----------|----------|---------|----------|----------|---------|-----------|-----------|--------|------------|------------|
| Monitoring Wells | | | | | | | | | | | | | | |
| MW-27-20 | 08-Mar-05 | 1250 | -12 | -102.0 | 190 | 432 | ND (0.5) | ND (0.5) | 137 | 56.6 | 4.89 | 195 | ND (0.2) | 215 |
| | 18-Jul-05 | --- | -11.9 | -98.0 | 81.9 | 228 | ND (0.5) | ND (0.5) | 96.1 | 30.1 | 4.27 | 94.8 | ND (0.2) | 160 |
| | 05-Oct-05 | 742 | -11.8 | -102.0 | 91.1 | 252 | ND (0.5) | ND (0.5) | 88.6 | 31.4 | 5.48 | 81 | ND (0.2) | 175 |
| | 14-Dec-05 | 1020 | -11.7 | -91.0 | 118 | 347 | ND (0.5) | ND (0.5) | 116 | 41.8 | 6.96 | 116 | ND (0.2) | 216 |
| | 06-Mar-06 | 664 | -12.1 | -90.9 | 89.7 | 231 | ND (0.2) | ND (0.2) | 89.1 | 28.8 | 4.9 | 103 | ND (0.2) | 385 |
| | 14-Jun-06 | 730 | -12 | -89.8 | 98.3 | 272 | ND (0.5) | ND (0.5) | 91.1 | 28.5 | 2.79 J | 96.9 | ND (0.2) | 195 |
| MW-28-25 | 04-Mar-04 | 1000 | -11.3 | -95.0 | 220 | 290 | ND (0.4) | ND (0.5) | 120 | 33 | 3.8 | 210 | 0.2 | 260 |
| | 11-May-04 | 800 | -11.3 | -95.0 | 110 | 270 | ND (0.4) | ND (0.5) | 110 | 29 | 3.9 | 120 | ND (0.2) | 240 |
| | 07-Jun-04 | 890 | -12.5 | -100.0 | 150 | 220 | ND (0.4) | --- | --- | --- | --- | --- | --- | --- |
| | 20-Sep-04 | 850 J | -11.7 | -89.0 | 99.1 | 286 | ND (0.4) | ND (0.2) | 110 | 30 | 4.6 | 120 | ND (0.2) | 210 |
| | 14-Dec-04 | 810 | -12 | -99.0 | 110 | 310 | ND (0.5) | ND (0.5) | 122 | 35.7 | 4.78 | 103 | ND (0.2) J | 202 |
| | 10-Mar-05 | 880 | -12.2 | -95.0 | 112 | 302 | ND (0.5) | ND (0.5) | 129 | 36.3 | 3.5 | 122 | ND (0.2) | 204 |
| | 15-Jun-05 | 974 | -11.6 | -91.0 | 108 | 359 | ND (0.5) | ND (0.5) | 133 | 38.9 | 6.54 | 117 | ND (0.2) | 221 |
| | 06-Oct-05 | 884 | -11.7 | -95.0 | 99.8 | 300 | ND (0.5) | ND (0.5) | 123 | 37 | 6.61 | 88.7 | ND (0.2) | 197 |
| | 16-Dec-05 | 1010 | -11.4 | -90.0 | 128 | 348 | ND (0.5) | ND (0.5) | 134 | 41.5 | 6.46 | 107 | ND (0.2) | 212 |
| | 09-Mar-06 | 746 | -11.5 | -93.9 | 84.4 | 225 | ND (0.5) | ND (0.5) | 98.5 | 27.5 | 4.15 J | 88.5 | ND (0.2) | 244 |
| | 05-May-06 | 741 | -11.4 | -90.3 | 110 | 302 | ND (0.5) | ND (0.5) | 117 | 35.7 | 5.77 | 118 | ND (0.2) | 216 |
| MW-30-30 | 04-Mar-04 | 36000 | -9 | -76.0 | 19000 | 4100 | ND (4) | 5.2 | 1000 | 1000 | 50 | 9600 | 3.6 | 570 |
| | 12-May-04 | 30000 | -7.8 | -71.0 | 14000 | 3000 | ND (4) | ND (50) | 1300 | 800 | 47 | 8300 | 2.8 | 610 |
| | 23-Sep-04 | 42000 | -9.5 | -73.0 | 22000 | 4500 | ND (200) | ND (100) | 900 | 890 | 76 | 11000 | 4.1 | 570 |
| | 15-Dec-04 | 45500 | -9.5 | -79.0 | 19900 | 4730 | ND (5) | 8.14 | 1300 | 1400 | 118 | 6110 | 7.84 | 458 |
| | 10-Mar-05 | 38800 | -9.8 | -79.0 | 16000 | 4270 | ND (5) | 7.91 | 1590 | 1600 | 95.4 | 13600 | 4.97 | 421 |
| | 07-Oct-05 | 36400 | -8.5 | -75.0 | 17600 | 4000 | ND (0.5) | ND (10) | 1020 | 842 | 93.6 | 7650 | 5.2 | 521 |
| | 15-Dec-05 | 35700 | -8.7 | -59.0 | 19700 | 4070 | ND (1) | 3.13 | 1060 | 894 | 110 | 8540 | 6.14 | 504 |
| | 13-Mar-06 | 39700 J | -8.8 | -70.5 | 18600 | 4530 | ND (0.5) | ND (50) | 1050 | 892 | 77.2 | 11300 | 4.62 | 650 |
| | 02-May-06 | 32400 | -10.3 | -70.7 | 15400 | 3300 | ND (0.5) | ND (5) | 882 | 828 | 59.4 | 10280 | 3.95 | 756 |
| 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 |

TABLE 6

Interim Measures Performance Monitoring Analytical Results, March 2004 through June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Total Dissolved Solids | Oxygen 18 | Deuterium | Chloride | Sulfate | Nitrate | Bromide | Calcium | Magnesium | Potassium | Sodium | Boron | Alkalinity |
|-------------------------|--------------|------------------------|-----------|-----------|----------|---------|----------|----------|---------|-----------|-----------|--------|----------|------------|
| Monitoring Wells | | | | | | | | | | | | | | |
| MW-30-50 | 23-Sep-04 FD | 6800 | -6.7 | -58.0 | 3220 | 694 | 1.64 | ND (10) | 310 | 110 | 19 | 1900 | 0.9 | 240 |
| | 15-Dec-04 | 6750 | -7.9 | -63.0 | 3040 | 716 | ND (0.5) | 1.14 | 378 | 117 | 36.5 | 1720 | 1.39 | 249 |
| | 15-Dec-04 FD | 6690 | -7.8 | -64.0 | 2920 | 725 | ND (0.5) | 1.13 | 372 | 114 | 37.8 | 1700 | 1.43 | 249 |
| | 10-Mar-05 | 6470 J | -8.3 | -68.0 | 4660 | 672 | ND (0.5) | 1.03 | 335 | 107 | 16.5 | 2040 | 1.15 | 324 |
| | 07-Oct-05 | 6860 | -9.4 | -79.0 | 3060 | 857 | ND (0.5) | 0.899 J | 438 | 101 | 37 | 1780 | 1.27 | 252 |
| | 16-Dec-05 | 5850 | -10.5 | -65.0 | 2360 | 578 | ND (0.5) | 0.645 | 265 | 77.9 | 32.9 | 1260 | 1.19 | 212 |
| | 09-Mar-06 | 5380 | -9.8 | -83.5 | 2420 | 651 | ND (0.5) | ND (0.5) | 226 | 66.2 | 14.6 | 1640 | 1.18 | 275 |
| | 02-May-06 | 5420 | -10.4 | -73.6 | 2380 | 612 | ND (0.5) | 3.41 | 243 | 70.3 | 16.4 | 1750 | 1.22 | 261 |
| MW-31-60 | 03-Mar-04 | 1700 | -8.1 | -60.0 | 750 | 280 | 6.2 | ND (0.5) | 160 | 22 | 7.9 | 420 | 0.4 | 72 |
| | 14-May-04 | 1900 | -9 | -59.0 | 750 | 260 | 5.5 | ND (0.5) | 150 | 22 | 7.5 | 420 | 0.4 | 74 |
| | 22-Sep-04 | 1700 | -8 | -61.0 | 691 | 236 | 5.45 | 0.46 | 130 | 19 | 7.9 | 430 | ND (0.2) | 79 |
| | 16-Dec-04 | 1640 | -8.7 | -64.0 | 691 | 246 | 5.36 | ND (0.5) | 118 | 18.5 | 9.67 | 421 | 0.44 | 80 |
| | 09-Mar-05 | 1540 | -8.6 | -63.0 | 649 | 210 | 4.94 | ND (0.5) | 108 | 17.3 | 5.97 | 424 | 0.401 | 76.6 |
| | 13-Jun-05 | 1660 | -8.2 | -65.0 | 745 | 207 | 4.12 | ND (0.5) | 121 | 18.9 | 6.57 | 403 | 0.388 | 70 |
| | 06-Oct-05 | 1660 | -8.6 | -65.0 | 691 | 206 | 4.01 | ND (0.5) | 109 | 16.5 | 9.75 | 308 | 0.462 | 77.3 |
| | 13-Dec-05 | 1620 | -8.7 | -54.0 | 669 | 199 | 4.14 | ND (0.5) | 87 | 15.4 | 9.32 | 275 | 0.359 | 73 |
| | 15-Mar-06 | 1560 J | -8.6 | -65.6 | 661 | 191 | 4.37 | ND (0.5) | 106 | 17.5 | 7.3 | 403 | 0.393 | 89.3 |
| | 15-Mar-06 FD | 1640 J | -8.6 | -64.9 | 662 | 192 | 4.34 | ND (0.5) | 101 | 16.8 | 6.94 | 391 | 0.383 | 81.9 |
| | 01-May-06 | 1630 | -9.6 | -63.2 | 691 | 209 | 4.58 | ND (0.5) | 118 | 20.1 | 7.78 | 467 | 0.449 | 79.6 |
| MW-32-20 | 04-Mar-04 | 6200 | -8 | -64.0 | 2900 | 540 | ND (0.4) | ND (5) | 520 | 180 | 13 | 1500 | 1.1 | 570 |
| | 12-May-04 | 5000 | -7.1 | -70.0 | 2100 | 130 | ND (0.4) | ND (5) | 510 | 180 | 16 | 1100 | 0.8 | 600 |
| | 20-Sep-04 | 21000 J | -7.3 | -63.0 | 10200 | 3800 | ND (0.4) | ND (100) | 1100 | 420 | 45 | 4900 | 3 | 920 |
| | 14-Dec-04 | 16100 | -8.2 | -66.0 | 8890 | 1990 | ND (5) | ND (5) | 1140 | 400 | 46.8 | 3500 | 4.22 J | 784 |
| | 09-Mar-05 | 12500 | -7.2 | -65.0 | 6930 | 1660 | ND (0.5) | 3.51 | 838 | 302 | 36.9 | 4000 | 2.76 | 123 |
| | 17-Jun-05 | 10200 | -9 | -67.0 | 4810 | 690 | ND (0.5) | ND (2.5) | 566 | 231 | 23.3 | 2620 | 1.75 | 676 |
| | 04-Oct-05 | 28800 | -7.8 | -65.0 | 14200 | 2420 | ND (5) | 6.19 | 1380 J | 613 J | 91.1 J | 5400 J | 4.75 J | 733 |
| | 16-Dec-05 | 24600 | -7.8 | -61.0 | 12200 | 2140 | ND (1) | 3.48 | 1470 | 552 | 90.4 | 4950 | 4.16 | 861 |
| | 10-Mar-06 | 20900 | -8.3 | -65.5 | 10600 | 1970 | ND (0.5) | ND (0.5) | 1350 | 530 | 56.1 | 6440 | 3.54 | 432 |
| | 04-May-06 | 16900 | -8.1 | -64.9 | 9430 | 1380 | ND (0.5) | 2.35 | 937 | 445 | 46 | 4780 | 2.87 | 218 |
| MW-32-35 | 04-Mar-04 | 4200 | -8 | -65.0 | 1900 | 470 | ND (0.4) | ND (5) | 340 | 99 | 13 | 1100 | 1 | 310 |
| | 12-May-04 | 4500 | -6.9 | -64.0 | 1900 | 460 | ND (0.4) | ND (5) | 330 | 94 | 12 | 1100 | 0.9 | 320 |

TABLE 6

Interim Measures Performance Monitoring Analytical Results, March 2004 through June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Total Dissolved Solids | Oxygen 18 | Deuterium | Chloride | Sulfate | Nitrate | Bromide | Calcium | Magnesium | Potassium | Sodium | Boron | Alkalinity |
|-------------------------|--------------|------------------------|-----------|-----------|----------|---------|----------|----------|---------|-----------|-----------|--------|-------|------------|
| Monitoring Wells | | | | | | | | | | | | | | |
| MW-32-35 | 21-Sep-04 | 4500 | -8.7 | -63.0 | 2150 | 422 | ND (0.2) | ND (10) | 320 | 89 | 14 | 990 | 0.9 | 310 |
| | 15-Dec-04 | 4120 | -8.5 | -67.0 | 1760 | 524 | ND (0.5) | 0.89 | 351 | 96.3 | 24.7 J | 954 | 1.28 | 276 |
| | 09-Mar-05 | 3560 | -8.2 | -68.0 | 1770 | 465 | ND (0.5) | 0.845 | 312 | 85.5 | 13 | 944 | 1.07 | 260 |
| | 17-Jun-05 | 7550 | -9.5 | -72.0 | 3520 | 787 | ND (0.5) | ND (2.5) | 506 | 120 | 14.8 | 2110 | 1.18 | 223 |
| | 04-Oct-05 | 8340 | -8.3 | -70.0 | 3840 | 765 | ND (0.5) | ND (5) | 567 | 134 | 29.3 | 1530 | 1.26 | 208 |
| | 16-Dec-05 | 7660 | -8.8 | -63.0 | 3510 | 710 | ND (1) | 1.02 | 606 | 128 | 30 | 1580 | 1.25 | 219 |
| | 10-Mar-06 | 9230 | -8.6 | -74.0 | 4210 | 1010 | ND (0.5) | ND (0.5) | 654 | 129 | 19.2 | 2360 | 1.13 | 234 |
| | 04-May-06 | 9840 | -9.1 | -67.8 | 4960 | 1130 | ND (0.5) | ND (0.5) | 693 | 148 | 19.5 | 2800 | 1.38 | 218 |
| MW-34-55 | 04-Mar-04 | 6700 | -9.6 | -77.0 | 3200 | 850 | ND (0.4) | ND (5) | 360 | 97 | 13 | 2000 | 1.2 | 270 |
| | 13-May-04 | 5700 | -10.3 | -77.0 | 2700 | 770 | ND (0.4) | ND (5) | 310 | 77 | 15 | 1900 | 1 | 270 |
| | 08-Jun-04 | --- | --- | --- | --- | --- | --- | --- | 246 | 68.3 | --- | --- | 1.18 | --- |
| | 22-Sep-04 | 5800 | -11 | -82.0 | 2700 | 732 | ND (0.2) | ND (10) | 260 | 85.2 | 17 | 1800 | 0.9 | 250 |
| | 15-Dec-04 | 5860 | -10.9 | -83.0 | 2390 | 743 | ND (0.5) | 0.743 | 288 | 69.9 | 33 | 1540 | 1.34 | 234 |
| | 10-Mar-05 | 6230 | -10.8 | -82.0 | 2620 | 739 | ND (0.5) | 0.654 | 366 | 71.3 | 29.1 | 1900 | 1.19 | 240 |
| | 15-Jul-05 | --- | -10.3 | -84.0 | 2250 | 607 | ND (0.5) | ND (0.5) | 247 | 52 | 16.5 | 1420 | 1.02 | 242 |
| | 05-Oct-05 | 5150 | -10.6 | -88.0 | 2170 | 619 | ND (0.5) | ND (0.5) | 272 | 59.1 | 25.8 | 1230 | 1.2 | 232 |
| | 14-Dec-05 | 5100 | -10.8 | -74.0 | 2150 | 552 | ND (0.5) | 0.588 | 217 | 45 | 27.2 | 965 | 0.937 | 236 |
| | 08-Mar-06 | 4850 | -10.8 | -86.8 | 2080 | 593 | ND (0.5) | ND (0.5) | 256 | 54.2 | 13.5 | 1640 | 0.956 | 272 |
| | 03-May-06 | 4320 | -11.5 | -84.3 | 2070 | 500 | ND (0.5) | ND (0.5) | 198 | 44.8 | 11.1 | 1360 | 0.846 | 302 |
| 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 |
| | 23-Sep-04 FD | 9900 | -9.6 | -78.0 | 4170 | 998 | ND (10) | ND (10) | 410 | 84.3 | 35 | 2800 | 1.5 | 290 |
| | 13-Dec-04 | --- | --- | --- | --- | --- | --- | --- | 455 | 55 | 40.4 | 2220 | 1.63 | --- |
| | 08-Mar-05 | 6940 | -10.4 | -83.0 | 4180 | 1040 | ND (0.5) | 1.01 | 439 | 68.1 | 28 | 2750 | 1.65 | 304 |
| | 15-Mar-05 | 8980 | --- | --- | 3920 | ND (5) | ND (1) | --- | 445 | 65.7 | 29.7 | 2990 | --- | 288 |
| | 30-Jun-05 | 7840 | -8.4 | -82.0 | 3910 | 979 | ND (0.5) | ND (0.5) | 497 | 76.5 | 27.7 | 2670 | 1.66 | 302 |
| | 05-Oct-05 | 10200 | -10.1 | -85.0 | 3880 | 1060 | ND (0.5) | ND (0.5) | 429 | 72.5 | 47.4 | 1660 | 1.57 | 302 |
| | 14-Dec-05 | 8800 | -10.2 | -71.0 | 3700 | 880 | ND (0.5) | 0.854 | 432 | 68.3 | 54.9 | 1710 | 1.54 | 297 |

TABLE 6

Interim Measures Performance Monitoring Analytical Results, March 2004 through June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sample Date | Total Dissolved Solids | Oxygen 18 | Deuterium | Chloride | Sulfate | Nitrate | Bromide | Calcium | Magnesium | Potassium | Sodium | Boron | Alkalinity |
|-------------------------------|-------------|------------------------|-----------|-----------|----------|---------|------------|----------|---------|-----------|-----------|--------|------------|------------|
| Monitoring Wells | | | | | | | | | | | | | | |
| MW-34-80 | 09-Mar-06 | 7830 | -9.9 | -86.8 | 3520 | 986 | ND (0.5) | ND (0.5) | 383 | 65.8 | 24 | 2420 | 1.49 | 313 |
| | 03-May-06 | 7950 | -11.7 | -77.6 | 3700 | 921 | ND (0.5) | ND (0.5) | 425 | 70.3 | 23.9 | 2480 | 1.38 | 297 |
| Surface Water Stations | | | | | | | | | | | | | | |
| R-27 | 03-Mar-04 | 630 | -11.4 | -86.0 | 87 | 250 | ND (0.4) | ND (0.5) | 77 | 28 | 4.4 | 94 | ND (0.2) | 140 |
| | 12-May-04 | 590 | -11.4 | -96.0 | 84 | 240 | ND (0.4) | ND (0.5) | 74 | 27 | 4.8 | 96 | ND (0.2) | 140 |
| | 22-Sep-04 | 680 | -12.1 | -98.0 | 88.4 | 237 | 0.38 | ND (0.2) | 77 | 29 | 4.8 | 99 | ND (0.2) | 130 |
| | 13-Dec-04 | 632 | -11.4 | -95.0 | 84.4 | 235 | ND (0.5) R | ND (0.5) | 79.6 | 31.4 | 4.95 | 86.5 | ND (0.2) J | 125 |
| | 07-Mar-05 | 669 | -12.3 | -102.0 | 92.7 | 244 | ND (0.5) | ND (0.5) | 82.8 | 31.3 | 4.72 | 108 | ND (0.2) | 136 |
| | 14-Jun-05 | 686 | -11.4 | -92.0 | 90.9 | 266 | ND (0.5) | ND (0.5) | 81.9 | 29.8 | 6.04 | 98.9 | ND (0.2) | 127 |
| | 05-Oct-05 | 678 | -11.6 | -94.0 | 85.1 | 255 | ND (0.5) | ND (0.5) | 101 | 36.2 | 6.56 | 91.2 | ND (0.2) | 130 |
| | 16-Dec-05 | 718 | -11.7 | -87.0 | 87.9 | 253 | ND (0.5) | ND (0.5) | 85.5 | 29.5 | 5.99 | 75.6 | ND (0.2) | 126 |
| | 06-Mar-06 | 656 | -11.8 | -92.1 | 90.6 | 268 | ND (0.5) | ND (0.5) | 83.5 | 29.4 | 5.44 J | 101 | ND (0.2) | 144 |
| | 03-May-06 | 567 | -12.8 | -93.9 | 93.1 | 267 | ND (0.5) | ND (0.5) | 87 | 31.1 | 3.12 J | 106 | ND (0.2) | 139 |
| R-28 | 03-Mar-04 | 670 | -11.3 | -90.0 | 87 | 250 | 0.5 | ND (0.5) | 78 | 28 | 4.4 | 93 | ND (0.2) | 140 |
| | 12-May-04 | 580 | -11.5 | -98.0 | 84 | 240 | ND (0.4) | ND (0.5) | 72 | 26 | 4.2 | 92 | ND (0.2) | 140 |
| | 22-Sep-04 | 680 | -12.1 | -99.0 | 104 | 240 | 0.38 | ND (0.2) | 79 | 30 | 4.9 | 99 | ND (0.2) | 130 |
| | 13-Dec-04 | 652 | -11.1 | -95.0 | 84.8 | 236 | ND (0.5) R | ND (0.5) | 79.9 | 31.5 | 4.93 | 86 | ND (0.2) J | 133 |
| | 08-Mar-05 | 651 | -12.5 | -102.0 | 90.4 | 231 | ND (12.5) | ND (0.5) | 83.7 | 31.4 | 5.02 | 107 | ND (0.2) | 132 |
| | 14-Jun-05 | 680 | -11.6 | -95.0 | 91.2 | 268 | ND (0.5) | ND (0.5) | 78.5 | 28.5 | 5.08 | 94.5 | ND (0.2) | 127 |
| | 05-Oct-05 | 672 | -11.6 | -94.0 | 85.5 | 255 | ND (0.5) | ND (0.5) | 85.7 | 30.4 | 6.3 | 77 | ND (0.2) | 122 |
| | 16-Dec-05 | 710 | -11.5 | -83.0 | 88.1 | 254 | ND (0.5) | ND (0.5) | 87.2 | 29.8 | 6.11 | 76.8 | ND (0.2) | 126 |
| | 06-Mar-06 | 675 | -12.3 | -93.4 | 91 | 270 | ND (0.5) | ND (0.5) | 76.6 | 26.6 | 5.22 J | 91.5 | ND (0.2) | 146 |
| | 03-May-06 | 586 | -13 | -92.1 | 93.4 | 270 | ND (0.5) | ND (0.5) | 88.1 | 31.4 | 4.04 J | 107 | ND (0.2) | 136 |

TABLE 6

Interim Measures Performance Monitoring Analytical Results, March 2004 through June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

NOTES:

FD field duplicate sample

ND parameter not detected at the listed reporting limit

J concentration or reporting estimated by laboratory or data validation

R result exceeded analytical criteria for precision and accuracy; should not be used for project decision-making

(---) parameter not analyzed

Results in milligrams per liter (mg/L), except Oxygen-18 and Deuterium, which are expressed as differences from global standards in parts per thousand.

Alkalinity reported as carbonate (CaCO₃). Nitrate reported as Nitrogen (N).

All metal results are dissolved concentrations.

TABLE 7

Title 22 Metals, September 2004 through June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| California MCL: | | 6 | 10 ^ | 1000 | 4 | 5 | NE | 50 | 1000 * | NE | 2 | NE | 100 | 50 | 100* | 2 | NE | 5000 * |
|-----------------|-------------|-------------|-------------|----------|-----------|----------|----------|--------------|----------|----------|----------|------------|----------|----------|------------|------------|----------|---------|
| Well ID | Sample Date | Antimony | Arsenic | Barium | Beryllium | Cadmium | Cobalt | Chromium | Copper | Lead | Mercury | Molybdenum | Nickel | Selenium | Silver | Thallium | Vanadium | Zinc |
| MW-10 | 9/21/2004 | ND (5.0) | ND (10) | 45.8 | ND (3.0) | ND (3.0) | ND (3.0) | 1960 | 6.40 | ND (5.0) | ND (0.2) | 115 | ND (5.0) | ND (10) | ND (3.0) | ND (15) | 25.2 | 22.7 |
| MW-10 | 12/17/2004 | ND (5.0) | ND (10) | 44.9 | ND (3.1) | ND (3.1) | ND (3.1) | 1300 | ND (5.0) | ND (2.1) | ND (0.2) | 100 | ND (5.0) | ND (10) | 61.8 | ND (15) | 40.0 | 54.9 |
| MW-10 | 3/8/2005 | ND (5.0) | ND (10) | 42.0 | ND (3.1) | ND (3.1) | ND (3.1) | 1110 | ND (5.0) | ND (2.1) | ND (0.2) | 83.3 | ND (5.0) | ND (10) | ND (3.1) | ND (15) | 141 | 56.2 |
| MW-10 FD | 3/8/2005 | ND (5.0) | ND (10) | 49.3 | ND (3.1) | ND (3.1) | ND (3.1) | 1100 | ND (5.0) | ND (2.1) | ND (0.2) | 81.1 | ND (5.0) | ND (10) | ND (3.1) | ND (15) | 165 | 65.6 |
| MW-10 | 6/16/2005 | ND (2.0) | 6.39 | 45.5 | ND (1.0) | ND (1.0) | ND (1.0) | 1400 | ND (1.0) | 1.53 | ND (0.2) | 114 | 1.70 | 4.90 | ND (1.0) | ND (1.0) | 33.5 | ND (10) |
| MW-10 | 10/3/2005 | ND (2.0) | 14.3 | ND (300) | ND (1.0) | ND (1.0) | ND (1.0) | 4900 | ND (10) | 1.53 | ND (0.2) | 301 | ND (20) | 1.93 | ND (1.0) | ND (1.0) | 49.7 | 79.4 |
| MW-10 | 12/12/2005 | ND (3.0) | ND (5.0) | ND (300) | ND (1.0) | ND (2.0) | ND (5.0) | 3040 | ND (10) | ND (2.0) | ND (0.2) | 168 | ND (20) | ND (5.0) | ND (5.0) | ND (1.0) | 40.2 | ND (20) |
| MW-10 | 3/6/2006 | ND (2.0) | 8.45 | 59.5 | ND (1.0) | ND (1.0) | ND (1.0) | 2120 | 1.21 | ND (1.0) | ND (0.2) | 142 | 2.31 | 3.64 | ND (1.0) | ND (1.0) J | 41.3 | 10.1 |
| MW-10 | 5/4/2006 | ND (2.0) | 8.31 | 58.1 | ND (1.0) | ND (1.0) | ND (1.0) | 1780 | 1.18 | 1.06 | ND (0.2) | 122 | 1.96 | 3.91 | ND (1.0) | ND (1.0) | 37.9 | ND (10) |
| MW-11 | 9/21/2004 | ND (5.0) | ND (10) | 45.1 | ND (3.0) | ND (3.0) | ND (3.0) | 431 | ND (5.0) | ND (5.0) | ND (0.2) | 8.80 | ND (5.0) | ND (10) | ND (3.0) | ND (15) | 5.80 | ND (10) |
| MW-11 | 12/17/2004 | ND (5.0) | ND (10) | 38.8 | ND (3.1) | ND (3.1) | ND (3.1) | 393 | ND (5.0) | ND (2.1) | ND (0.2) | 9.40 | ND (5.0) | 13.6 | ND (3.1) | ND (15) | 9.90 | 27.4 |
| MW-11 | 3/8/2005 | ND (5.0) | ND (10) | 38.3 | ND (3.1) | ND (3.1) | ND (3.1) | 357 | ND (5.0) | ND (2.1) | ND (0.2) | 9.00 | ND (5.0) | ND (10) | ND (3.1) | ND (15) | 85.9 | 56.7 |
| MW-11 | 6/16/2005 | ND (2.0) | 1.53 | 42.1 | ND (1.0) | ND (1.0) | ND (1.0) | 379 | ND (1.0) | ND (1.0) | ND (0.2) | 11.5 | 1.03 | 4.50 | ND (1.0) | ND (1.0) | 8.31 | 13.4 |
| MW-11 | 10/3/2005 | ND (2.0) | 1.68 | ND (300) | ND (1.0) | ND (1.0) | ND (1.0) | 617 | ND (10) | ND (1.0) | ND (0.2) | 16.4 | ND (20) | 5.31 | ND (1.0) | ND (1.0) | 6.30 | ND (20) |
| MW-11 | 12/12/2005 | ND (3.0) | ND (5.0) | ND (300) | ND (1.0) | ND (2.0) | ND (5.0) | 449 | ND (10) | ND (2.0) | ND (0.2) | 9.40 | ND (20) | ND (5.0) | ND (5.0) | ND (1.0) | 8.30 | ND (20) |
| MW-11 | 3/6/2006 | ND (2.0) | 1.64 | 39.8 | ND (1.0) | ND (1.0) | ND (1.0) | 306 | 1.22 | ND (1.0) | ND (0.2) | 8.08 | ND (1.0) | 5.79 | ND (1.0) | ND (1.0) | 8.94 | 12.1 |
| MW-11 | 5/9/2006 | ND (2.0) | 1.72 | 39.5 | ND (1.0) | ND (1.0) | ND (1.0) | 348 J | ND (1.0) | ND (1.0) | ND (0.2) | 9.28 | ND (1.0) | 5.73 | ND (1.0) | ND (1.0) | 8.76 | ND (10) |
| MW-12 | 9/20/2004 | 20.9 | 68.6 | 62.8 | ND (3.0) | ND (3.0) | ND (3.0) | 1490 | ND (5.0) | ND (5.0) | ND (0.2) | 41.2 | ND (5.0) | ND (10) | ND (3.0) | ND (15) | 24.6 | 19.2 |
| MW-12 | 3/10/2005 | ND (5.0) | 53.4 | 38.9 | ND (3.1) | ND (3.1) | ND (3.1) | 945 | ND (5.0) | ND (2.1) | ND (0.2) | 36.1 | ND (5.0) | ND (10) | ND (3.1) | ND (15) | 218 | 37.5 |
| MW-12 FD | 3/10/2005 | ND (5.0) | 64.2 | 39.9 | ND (3.1) | ND (3.1) | ND (3.1) | 912 | ND (5.0) | ND (2.1) | ND (0.2) | 40.7 | ND (5.0) | ND (10) | ND (3.1) | ND (15) | 202 | 54.6 |
| MW-12 | 6/13/2005 | ND (2.0) | 110 | 44.1 | ND (1.0) | ND (1.0) | ND (1.0) | 957 | ND (1.0) | ND (1.0) | ND (0.2) | 77.3 | 11.7 | 5.73 | ND (1.0) | 1.11 | 34.2 | 24.4 |
| MW-12 | 9/16/2005 | ND (5.0) | 103 | 110 | ND (3.0) | ND (3.0) | ND (3.0) | 618 | ND (5.0) | 5.70 | ND (0.2) | 63.5 | 17.9 | ND (10) | ND (3.0) | ND (15) | 52.2 | 75.5 |
| MW-12 | 10/4/2005 | ND (2.0) | 146 | ND (300) | ND (1.0) | ND (1.0) | ND (1.0) | 644 | ND (10) | ND (1.0) | ND (0.2) | 76.9 | ND (20) | 3.92 | ND (1.0) | ND (1.0) | 41.6 | ND (20) |
| MW-12 FD | 10/4/2005 | ND (2.0) | 151 | ND (300) | ND (1.0) | ND (1.0) | ND (1.0) | 613 | ND (10) | ND (1.0) | ND (0.2) | 79.1 | ND (20) | 4.06 | ND (1.0) | ND (1.0) | 39.7 | ND (20) |
| MW-12 | 12/13/2005 | ND (3.0) | 157 | ND (300) | ND (1.0) | ND (2.0) | ND (5.0) | 602 | ND (10) | ND (2.0) | ND (0.2) | 62.8 | ND (20) | ND (5.0) | ND (5.0) | ND (1.0) | 45.9 | ND (20) |
| MW-12 | 4/18/2006 | ND (2.0) | 127 | 48.2 | ND (1.0) | ND (1.0) | ND (1.0) | 1300 | ND (1.0) | ND (1.0) | ND (0.2) | 52.8 | 3.91 | 4.30 | ND (1.0) J | ND (1.0) | 40.8 | ND (10) |
| MW-12 | 5/1/2006 | ND (2.0) | 126 | 49.3 | ND (1.0) | ND (1.0) | ND (1.0) | 1280 | ND (1.0) | ND (1.0) | ND (0.2) | 50.1 | 2.31 | 4.42 | ND (1.0) | ND (1.0) | 39.7 | ND (10) |
| MW-20-70 | 9/24/2004 | ND (5.0) | ND (10) | 59.1 | ND (3.0) | ND (3.0) | ND (3.0) | 7550 | 10.8 | ND (5.0) | ND (0.2) | 20.6 | ND (5.0) | 18.1 | ND (3.0) | ND (15) | ND (3.0) | 24.8 |
| MW-20-70 | 12/16/2004 | ND (5.0) | ND (10) | 36.6 | ND (3.1) | ND (3.1) | ND (3.1) | 7230 | ND (5.0) | ND (2.1) | ND (0.2) | 18.1 | ND (5.0) | ND (10) | ND (3.1) | ND (15) | 9.40 | 25.6 |
| MW-20-70 | 3/10/2005 | ND (5.0) | ND (10) | 51.0 | ND (3.1) | ND (3.1) | ND (3.1) | 8120 | ND (5.0) | ND (2.1) | ND (0.2) | 13.0 | 5.20 | ND (10) | ND (3.1) | ND (15) | 91.6 | 136 |
| MW-20-70 | 6/15/2005 | ND (2.0) | 1.59 | 47.4 | ND (1.0) | ND (1.0) | ND (1.0) | 6430 | ND (1.0) | ND (1.0) | ND (0.2) | 17.5 | 2.41 | 7.36 | ND (1.0) | ND (1.0) | 7.46 | 43.1 J |
| MW-20-70 FD | 6/15/2005 | ND (2.0) | 1.62 | 51.8 | ND (1.0) | ND (1.0) | ND (1.0) | 7130 | 1.86 | 1.37 | ND (0.2) | 17.9 | 2.28 | 7.83 | ND (1.0) | ND (1.0) | 8.24 | 159 J |
| MW-20-70 | 10/11/2005 | ND (2.0) | 2.04 | ND (300) | ND (1.0) | ND (1.0) | ND (1.0) | 5930 | ND (10) | ND (1.0) | ND (0.2) | 23.0 | ND (20) | 8.81 | ND (1.0) | ND (1.0) | 117 | ND (20) |
| MW-20-70 | 12/15/2005 | ND (3.0) | ND (5.0) | ND (300) | ND (1.0) | ND (2.0) | ND (5.0) | 4310 | ND (10) | ND (2.0) | ND (0.2) | 21.8 | ND (20) | ND (5.0) | ND (5.0) | ND (1.0) | 10.2 | ND (20) |
| MW-20-70 | 3/10/2006 | ND (2.0) | 2.20 | 36.5 | ND (1.0) | ND (1.0) | ND (1.0) | 4510 | 1.07 | ND (1.0) | ND (0.2) | 21.8 | ND (1.0) | 9.15 | ND (1.0) | ND (1.0) | 10.7 | 11.2 |
| MW-20-70 | 5/5/2006 | ND (2.0) | 2.01 | 39.9 | ND (1. | | | | | | | | | | | | | |

TABLE 7

Title 22 Metals, September 2004 through June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| California MCL: | | 6 | 10 ^ | 1000 | 4 | 5 | NE | 50 | 1000 * | NE | 2 | NE | 100 | 50 | 100* | 2 | NE | 5000 * | |
|-----------------|-------------|----------|----------|----------|------------|----------|----------|--------------|----------|----------|----------|------------|----------|----------|----------|----------|----------|----------|---------|
| Well ID | Sample Date | Antimony | Arsenic | Barium | Beryllium | Cadmium | Cobalt | Chromium | Copper | Lead | Mercury | Molybdenum | Nickel | Selenium | Silver | Thallium | Vanadium | Zinc | |
| MW-20-130 FD | 3/9/2005 | ND (5.0) | ND (10) | 20.0 | ND (3.1) | ND (3.1) | ND (3.1) | 7050 | ND (5.0) | ND (2.1) | ND (0.2) | 29.0 | 5.30 | ND (10) | ND (3.1) | ND (15) | 162 | 173 J | |
| MW-20-130 | 6/15/2005 | ND (2.0) | 7.42 | 26.5 | ND (1.0) | ND (1.0) | ND (1.0) | 11300 | 1.62 | ND (1.0) | ND (0.2) | 57.6 | ND (1.0) | 10.7 | ND (1.0) | ND (1.0) | 4.13 | 31.9 | |
| MW-20-130 | 10/7/2005 | ND (2.0) | 6.58 | ND (300) | ND (1.0) | ND (1.0) | ND (1.0) | 10700 | ND (5.0) | ND (1.0) | ND (0.2) | 41.3 | ND (21) | 10.8 | ND (1.0) | ND (1.0) | ND (3.0) | ND (20) | |
| MW-20-130 | 12/16/2005 | ND (3.0) | 5.80 | ND (300) | ND (1.0) | ND (2.0) | ND (5.0) | 9340 | ND (10) | ND (2.0) | ND (0.2) | 32.6 | ND (20) | 18.4 | ND (5.0) | ND (1.0) | 10.1 | 445 | |
| MW-20-130 | 3/10/2006 | ND (2.0) | 6.68 | 24.9 | ND (1.0) | ND (1.0) | ND (1.0) | 10600 | 3.73 | ND (1.0) | ND (0.2) | 46.7 | ND (1.0) | 12.0 | ND (1.0) | ND (1.0) | 5.32 | ND (10) | |
| MW-20-130 | 5/5/2006 | ND (2.0) | 6.32 | 26.3 | ND (1.0) | ND (1.0) | ND (1.0) | 13700 | ND (1.0) | ND (1.0) | ND (0.2) | 47.7 | ND (1.0) | 11.8 | ND (1.0) | ND (1.0) | 3.91 | 14.7 J | |
| MW-25 | 9/22/2004 | ND (5.0) | ND (10) | 40.7 | ND (3.0) | ND (3.0) | ND (3.0) | 1930 | 7.10 | ND (5.0) | ND (0.2) | ND (5.0) | ND (5.0) | 13.1 | ND (3.0) | ND (15) | ND (3.0) | 22.7 | |
| MW-25 | 3/9/2005 | ND (5.0) | ND (10) | 39.5 | ND (3.1) | ND (3.1) | ND (3.1) | 1700 | ND (5.0) | ND (2.1) | ND (0.2) | ND (5.0) | ND (5.0) | ND (10) | ND (3.1) | ND (15) | 73.3 | 94.6 | |
| MW-25 | 6/14/2005 | ND (2.0) | 1.81 | 45.5 | ND (1.0) | ND (1.0) | ND (1.0) | 1790 | ND (1.0) | ND (1.0) | ND (0.2) | 3.85 | 2.26 | 2.72 | ND (1.0) | ND (1.0) | 11.1 | 119 J | |
| MW-25 FD | 6/14/2005 | ND (2.0) | 1.93 | 48.9 | ND (1.0) | ND (1.0) | ND (1.0) | 1930 | 1.34 | ND (1.0) | ND (0.2) | 4.13 | 1.68 | 2.65 | ND (1.0) | ND (1.0) | 11.8 | 16.1 J | |
| MW-25 | 10/4/2005 | ND (2.0) | 1.94 | ND (300) | ND (1.0) | ND (1.0) | ND (1.0) | 1470 | ND (10) | ND (1.0) | ND (0.2) | 3.49 | ND (20) | 2.38 | ND (1.0) | ND (1.0) | 6.00 | ND (20) | |
| MW-25 FD | 10/4/2005 | ND (2.0) | 2.15 | ND (300) | ND (1.0) | ND (1.0) | ND (1.0) | 1480 | ND (10) | ND (1.0) | ND (0.2) | 3.53 | ND (20) | 2.35 | ND (1.0) | ND (1.0) | 6.60 | ND (20) | |
| MW-25 | 12/14/2005 | ND (3.0) | ND (5.0) | ND (300) | ND (1.0) | ND (2.0) | ND (5.0) | 1370 | ND (10) | ND (2.0) | ND (0.2) | ND (5.0) | ND (20) | ND (5.0) | ND (5.0) | ND (1.0) | 9.70 | ND (20) | |
| MW-25 FD | 12/14/2005 | ND (3.0) | ND (5.0) | ND (300) | ND (1.0) | ND (2.0) | ND (5.0) | 1350 | ND (10) | ND (2.0) | ND (0.2) | ND (5.0) | ND (20) | ND (5.0) | ND (5.0) | ND (1.0) | 9.40 | ND (20) | |
| MW-25 | 3/9/2006 | ND (2.0) | 2.39 | 40.8 | ND (1.0) | ND (1.0) | ND (1.0) | 1430 | ND (1.0) | ND (1.0) | ND (0.2) | 3.34 | 1.58 | 2.38 | ND (1.0) | ND (1.0) | 11.8 | ND (10) | |
| MW-25 | 5/3/2006 | ND (2.0) | 2.12 | 42.0 | ND (1.0) | ND (1.0) | ND (1.0) | 1310 | ND (1.0) | ND (1.0) | ND (0.2) | 3.35 | 1.25 | 2.64 | ND (1.0) | ND (1.0) | 11.6 | ND (10) | |
| MW-25 FD | 5/3/2006 | ND (2.0) | 2.07 | 43.2 | ND (1.0) J | ND (1.0) | ND (1.0) | 1310 | ND (1.0) | ND (1.0) | ND (0.2) | 3.39 | 1.36 | 2.57 | ND (1.0) | ND (1.0) | 12.0 | ND (10) | |
| MW-34-55 | 9/22/2004 | ND (5.0) | ND (10) | 87.6 | ND (3.0) | ND (3.0) | ND (3.0) | ND (1.0) | 12.0 | ND (5.0) | ND (0.2) | 13.0 | ND (5.0) | 12.5 | ND (3.0) | ND (15) | ND (3.0) | 22.7 | |
| MW-34-55 | 12/15/2004 | ND (5.0) | ND (10) | 71.8 | ND (3.1) | ND (3.1) | ND (3.1) | ND (1.0) | 6.60 | 12.2 | ND (0.2) | 13.7 | ND (5.0) | ND (10) | 40.4 | ND (15) | 6.50 | 25.1 | |
| MW-34-55 | 3/10/2005 | ND (5.0) | ND (10) | 66.9 | ND (3.1) | ND (3.1) | ND (3.1) | ND (1.0) | ND (5.0) | ND (2.1) | ND (0.2) | 12.4 | 9.10 | ND (10) | ND (3.1) | ND (15) | 227 | 87.7 | |
| MW-34-55 | 10/5/2005 | ND (2.0) | 2.01 | ND (300) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (10) | ND (1.0) | ND (0.2) | 15.7 | ND (20) | ND (1.0) | ND (1.0) | ND (1.0) | ND (5.0) | 22.7 | |
| MW-34-55 | 12/14/2005 | ND (3.0) | ND (5.0) | ND (300) | ND (1.0) | ND (2.0) | ND (5.0) | ND (1.0) | ND (10) | ND (2.0) | ND (0.2) | 12.7 | ND (20) | ND (5.0) | ND (5.0) | ND (1.0) | 7.00 | ND (20) | |
| MW-34-55 | 3/8/2006 | ND (2.0) | 2.08 | 59.2 | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (0.2) | 16.3 | 4.77 | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (10) | |
| MW-34-55 | 5/3/2006 | ND (2.0) | 2.43 | 46.5 | ND (1.0) J | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (0.2) | 16.8 | 2.74 | ND (1.0) | ND (1.0) | ND (1.0) | 1.15 | 14.1 | |
| MW-34-80 | 9/23/2004 | ND (5.0) | ND (10) | 54.1 | ND (3.0) | ND (3.0) | ND (3.0) | ND (1.0) | 10.1 | ND (5.0) | ND (0.2) | 14.9 | ND (5.0) | ND (10) | ND (3.0) | ND (15) | ND (3.0) | 23.2 | |
| MW-34-80 FD | 9/23/2004 | ND (5.0) | ND (10) | 52.8 | ND (3.0) | ND (3.0) | ND (3.0) | ND (1.0) | 10.6 | ND (5.0) | ND (0.2) | 14.4 | ND (5.0) | ND (10) | ND (3.0) | ND (15) | ND (3.0) | 22.0 | |
| MW-34-80 | 12/13/2004 | ND (5.0) | ND (10) | 42.0 | ND (3.1) | ND (3.1) | ND (3.1) | ND (1.0) | ND (5.0) | ND (2.1) | ND (0.2) | 14.7 | 8.60 | ND (10) | ND (3.1) | ND (15) | 15.3 | 29.7 | |
| MW-34-80 | 3/8/2005 | ND (5.0) | ND (10) | 51.8 | ND (3.1) | ND (3.1) | ND (3.1) | ND (1.0) | ND (5.0) | ND (2.1) | ND (0.2) | 13.3 | 15.5 | ND (10) | ND (3.1) | ND (15) | 238 | 41.7 | |
| MW-34-80 | 6/30/2005 | ND (2.0) | 2.09 | 46.4 | ND (1.0) | ND (1.0) | ND (1.0) | 1.39 | ND (1.0) | 2.25 | ND (1.0) | ND (0.2) | 11.1 | 2.23 | ND (1.0) | ND (1.0) | ND (1.0) | 2.74 | 37.0 |
| MW-34-80 | 10/5/2005 | ND (2.0) | 2.06 | ND (300) | ND (1.0) | ND (1.0) | ND (1.0) | 1.23 | ND (1.0) | ND (10) | ND (1.0) | ND (0.2) | 10.8 | ND (20) | ND (1.0) | ND (1.0) | ND (1.0) | ND (5.0) | ND (20) |
| MW-34-80 | 12/14/2005 | ND (3.0) | ND (5.0) | ND (300) | ND (1.0) | ND (2.0) | ND (5.0) | ND (1.0) | ND (10) | ND (2.0) | ND (0.2) | 10.2 | ND (20) | ND (5.0) | ND (5.0) | ND (1.0) | 13.5 | ND (20) | |
| MW-34-80 | 3/9/2006 | ND (2.0) | 2.19 | 39.6 | ND (1.0) | ND (1.0) | ND (1.0) | 1.08 | ND (1.0) | 7.27 | ND (1.0) | ND (0.2) | 11.4 | 1.58 | ND (1.0) | ND (1.0) | ND (1.0) | 2.94 | ND (10) |
| MW-34-80 | 5/3/2006 | ND (2.0) | 1.91 | 39.6 | ND (1.0) J | ND (1.0) | ND (1.0) | 1.34 | ND (1.0) | ND (1.0) | ND (0.2) | 12.2 | 1.25 | ND (1.0) | ND (1.0) | ND (1.0) | 2.44 | 31.0 | |
| MW-37D | 9/24/2004 | ND (5.0) | ND (10) | 65.0 | ND (3.0) | ND (3.0) | ND (3.0) | 1220 | 8.50 | ND (5.0) | ND (0.2) | 47.3 | ND (5.0) | ND (10) | ND (3.0) | ND (15) | ND (3.0) | 17.2 | |
| MW-37D FD | 9/24/2004 | ND (5.0) | ND (10) | 65.9 | ND (3.0) | ND (3.0) | ND (3.0) | 1160 | 9.60 | ND (5.0) | ND (0.2) | 46.3 | ND (5.0) | 10.0 | ND (3.0) | ND (15) | ND (3.0) | 24.8 | |
| MW-37D | 12/14 | | | | | | | | | | | | | | | | | | |

TABLE 7

Title 22 Metals, September 2004 through June 2006

PG&E Topock Groundwater and Surface Water Monitoring Program

| California MCL: | | 6 | 10 ^ | 1000 | 4 | 5 | NE | 50 | 1000 * | NE | 2 | NE | 100 | 50 | 100* | 2 | NE | 5000 * |
|-----------------|-------------|----------|----------|----------|-----------|----------|----------|---------------|----------|----------|----------|------------|----------|----------|----------|----------|----------|---------|
| Well ID | Sample Date | Antimony | Arsenic | Barium | Beryllium | Cadmium | Cobalt | Chromium | Copper | Lead | Mercury | Molybdenum | Nickel | Selenium | Silver | Thallium | Vanadium | Zinc |
| MW-37D | 10/4/2005 | ND (2.0) | 3.42 | ND (300) | ND (1.0) | ND (1.0) | ND (1.0) | 1970 | ND (10) | ND (1.0) | ND (0.2) | 45.5 | ND (20) | 3.24 | ND (1.0) | ND (1.0) | 6.00 | ND (20) |
| MW-37D | 12/14/2005 | ND (3.0) | ND (5.0) | ND (300) | ND (1.0) | ND (2.0) | ND (5.0) | 1610 | ND (10) | ND (2.0) | ND (0.2) | 36.6 | ND (20) | ND (5.0) | ND (5.0) | ND (1.0) | 14.5 | ND (20) |
| MW-37D | 3/13/2006 | ND (2.0) | 3.97 | 41.0 | ND (1.0) | ND (1.0) | ND (1.0) | 1860 | 2.12 | ND (1.0) | ND (0.2) | 34.0 | ND (1.0) | 3.32 | ND (1.0) | ND (1.0) | 7.17 | ND (10) |
| MW-37D | 5/3/2006 | ND (2.0) | 3.79 | 44.0 | ND (1.0) | ND (1.0) | 1.06 | 1750 J | ND (1.0) | ND (1.0) | ND (0.2) | 47.5 | ND (1.0) | 3.66 | ND (1.0) | ND (1.0) | 6.25 | ND (10) |

NOTES:

ND not detected at listed reporting limit

FD field duplicate sample

^ U.S. Environmental Protection Agency (USEPA) MCL as of January 23, 2006

The USEPA MCL for arsenic has been lowered to 10 ug/L as of January 2006. The California MCL of 50 ug/L is currently under review as of the writing of this monitoring report. The regulation package is in the early stages, with the adoption process likely to occur later in 2006.

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 micrograms per liter (µg/L), are the California primary drinking water standards, or California secondary MCLs, where noted *. NE = not established

All results are dissolved metals concentrations in µg/L from field-filtered samples.

Metals analyzed by Methods SW6010B, SW6020A, and SW7470A.

Analytes detected above MCL are in bold.

A one-time sample from MW-21 was collected and analyzed in December 2005 for Title 22 metals to confirm the spatially isolated occurrence of arsenic in MW-12.

Groundwater samples from MW-34-55 in July 2005 were not analyzed for Title 22 metals due to a chain of custody error.

Monitoring well MW-12 was sampled in April rather than March 2006 due to inaccessibility from drilling operations in March.

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | |
| MW-9 | 89 | 536.56 | 18-May-05 6:36 AM | 81.10 | 0.19 | 455.43 |
| | | | 16-Jun-05 1:32 PM | 80.45 | 0.19 | 456.08 |
| | | | 03-Oct-05 12:17 PM | 80.22 | 0.20 | 456.31 |
| | | | 07-Mar-06 11:17 AM | 81.00 | 0.20 | 455.54 |
| | | | 14-Jun-06 5:20 AM | 79.61 | 0.20 | 456.92 |
| MW-10 | 97 | 530.65 | 18-May-05 6:32 AM | 75.21 | 0.21 | 455.38 |
| | | | 16-Jun-05 1:07 PM | 74.66 | 0.21 | 455.93 |
| | | | 03-Oct-05 11:41 AM | 74.46 | 0.21 | 456.13 |
| | | | 12-Dec-05 10:39 AM | 75.09 | 0.21 | 455.51 |
| | | | 06-Mar-06 11:30 AM | 75.28 | 0.21 | 455.32 |
| | | | 04-May-06 9:12 AM | 74.36 | 0.18 | 456.23 |
| | | | 14-Jun-06 5:16 AM | 73.90 | 0.18 | 456.69 |
| MW-11 | 86 | 522.61 | 18-May-05 6:24 AM | 67.12 | 0.16 | 455.42 |
| | | | 16-Jun-05 12:22 PM | 66.69 | 0.16 | 455.85 |
| | | | 03-Oct-05 10:17 AM | 66.65 | 0.15 | 455.89 |
| | | | 12-Dec-05 9:56 AM | 67.30 | 0.15 | 455.25 |
| | | | 06-Mar-06 12:25 PM | 67.34 | 0.15 | 455.21 |
| | | | 09-May-06 12:47 PM | 66.31 | 0.16 | 456.24 |
| | | | 14-Jun-06 5:08 AM | 65.90 | 0.16 | 456.65 |
| MW-12 | 50 | 484.01 | 18-May-05 7:15 AM | 28.81 | 0.22 | 455.15 |
| | | | 13-Jun-05 9:30 AM | 28.54 | 0.22 | 455.42 |
| | | | 16-Sep-05 9:05 AM | 28.35 | 0.22 | 455.61 |
| | | | 04-Oct-05 7:30 AM | 28.52 | 0.23 | 455.44 |
| | | | 13-Dec-05 11:00 AM | 29.09 | 0.23 | 454.87 |
| | | | 18-Apr-06 11:30 AM | 28.76 | 0.19 | 455.20 |
| | | | 01-May-06 8:05 AM | 28.46 | 0.19 | 455.50 |
| | | | 14-Jun-06 5:42 AM | 27.92 | 0.19 | 456.03 |
| MW-13 | 52 | 488.64 | 18-May-05 6:12 AM | 32.81 | 0.12 | 455.77 |
| | | | 14-Jun-05 11:10 AM | 32.59 | 0.12 | 455.99 |
| | | | 04-Oct-05 10:46 AM | 33.10 | 0.13 | 455.48 |
| | | | 13-Dec-05 1:26 PM | 33.10 | 0.13 | 455.48 |
| | | | 08-Mar-06 8:45 AM | 33.35 | 0.13 | 455.23 |
| | | | 08-Mar-06 2:10 PM | 32.78 | 0.13 | 455.80 |
| | | | 02-May-06 7:52 AM | 32.38 | 0.13 | 456.20 |
| | | | 14-Jun-06 6:04 AM | 32.03 | 0.13 | 456.55 |
| MW-14 | 134 | 570.99 | 18-May-05 7:25 AM | 115.29 | 0.10 | 455.64 |
| | | | 15-Jun-05 8:58 AM | 114.90 | 0.10 | 456.02 |
| | | | 06-Oct-05 9:03 AM | 115.15 | 0.10 | 455.77 |
| | | | 15-Dec-05 11:55 AM | 115.58 | 0.10 | 455.35 |
| | | | 08-Mar-06 8:28 AM | 115.33 | 0.10 | 455.60 |
| | | | 09-Mar-06 12:14 PM | 115.16 | 0.10 | 455.77 |
| | | | 02-May-06 9:32 AM | 114.41 | 0.10 | 456.52 |
| | | | 14-Jun-06 6:23 AM | 114.00 | 0.10 | 456.92 |
| MW-15 | 203 | 641.52 | 18-May-05 6:43 AM | 185.43 | 0.10 | 456.02 |
| | | | 17-Jun-05 9:49 AM | 185.38 | 0.10 | 456.07 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|----------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | | |
| MW-15 | 203 | 641.52 | 06-Oct-05 | 7:21 AM | 185.25 | 0.10 | 456.20 |
| | | | 07-Mar-06 | 1:15 PM | 185.35 | 0.10 | 456.11 |
| | | | 08-Mar-06 | 8:45 AM | 185.52 | 0.10 | 455.94 |
| | | | 14-Jun-06 | 8:03 AM | 184.18 | 0.10 | 457.27 |
| MW-16 | 218 | 657.31 | 18-May-05 | 6:52 AM | 201.74 | 0.09 | 455.51 |
| | | | 06-Oct-05 | 7:58 AM | 200.76 | 0.09 | 456.48 |
| | | | 07-Mar-06 | 2:08 PM | 200.80 | 0.09 | 456.45 |
| | | | 08-Mar-06 | 8:52 AM | 200.98 | 0.10 | 456.27 |
| | | | 14-Jun-06 | 7:53 AM | 199.94 | 0.10 | 457.31 |
| MW-17 | 154 | 589.96 | 18-May-05 | 6:51 AM | 133.82 | 0.11 | 456.07 |
| | | | 05-Oct-05 | 10:27 AM | 133.27 | 0.11 | 456.62 |
| | | | 14-Jun-06 | 6:45 AM | 132.49 | 0.12 | 457.40 |
| MW-18 | 107 | 545.32 | 18-May-05 | 6:56 AM | 89.41 | 0.09 | 455.83 |
| | | | 15-Jun-05 | 8:15 AM | 89.05 | 0.09 | 456.19 |
| | | | 06-Oct-05 | 8:32 AM | 89.06 | 0.09 | 456.18 |
| | | | 08-Mar-06 | 7:59 AM | 89.33 | 0.09 | 455.93 |
| | | | 09-Mar-06 | 11:35 AM | 89.06 | 0.09 | 456.20 |
| | | | 14-Jun-06 | 6:38 AM | 88.03 | 0.09 | 457.23 |
| MW-19 | 66 | 499.92 | 18-May-05 | 6:05 AM | 44.20 | 0.15 | 455.66 |
| | | | 14-Jun-05 | 8:55 AM | 43.91 | 0.15 | 455.95 |
| | | | 04-Oct-05 | 9:45 AM | 45.03 | 0.13 | 454.83 |
| | | | 12-Dec-05 | 2:03 PM | 45.97 | 0.13 | 453.89 |
| | | | 08-Mar-06 | 8:59 AM | 45.16 | 0.13 | 454.70 |
| | | | 09-Mar-06 | 2:05 PM | 44.97 | 0.13 | 454.89 |
| | | | 02-May-06 | 2:20 PM | 44.19 | 0.13 | 455.67 |
| | | | 14-Jun-06 | 6:02 AM | 43.64 | 0.13 | 456.24 |
| MW-20-70 | 70 | 500.15 | 15-Jun-05 | 8:51 AM | 45.02 | 0.14 | 455.05 |
| | | | 11-Oct-05 | 9:33 AM | 45.96 | 0.20 | 454.12 |
| | | | 15-Dec-05 | 1:29 PM | 47.29 | 0.20 | 452.80 |
| | | | 10-Mar-06 | 12:53 PM | 46.53 | 0.20 | 453.56 |
| | | | 05-May-06 | 8:41 AM | 45.60 | 0.24 | 454.50 |
| | | | 13-Jun-06 | 9:00 AM | 44.92 | 0.24 | 455.17 |
| MW-20-100 | 101 | 500.58 | 15-Jun-05 | 11:12 AM | 45.77 | 0.30 | 454.71 |
| | | | 11-Oct-05 | 8:42 AM | 46.04 | 0.25 | 454.42 |
| | | | 15-Dec-05 | 12:53 PM | 48.13 | 0.25 | 452.33 |
| | | | 10-Mar-06 | 10:42 AM | 46.27 | 0.25 | 454.19 |
| | | | 05-May-06 | 9:59 AM | 46.40 | 0.23 | 454.05 |
| MW-20-130 | 132 | 500.66 | 15-Jun-05 | 9:51 AM | 46.28 | 0.75 | 454.49 |
| | | | 07-Oct-05 | 9:35 AM | 47.65 | 0.63 | 453.05 |
| | | | 16-Dec-05 | 8:38 AM | 49.11 | 0.60 | 451.60 |
| | | | 10-Mar-06 | 11:45 AM | 47.91 | 0.56 | 452.75 |
| | | | 05-May-06 | 10:15 AM | 47.00 | 0.66 | 453.70 |
| MW-21 | 58 | 505.55 | 18-May-05 | 7:02 AM | 50.47 | 0.87 | 455.10 |
| | | | 14-Jun-05 | 9:43 AM | 50.05 | 0.87 | 455.52 |
| | | | 04-Oct-05 | 8:46 AM | 50.10 | 0.75 | 455.46 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|----------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | | |
| MW-21 | 58 | 505.55 | 13-Dec-05 | 12:24 PM | 50.65 | 0.75 | 454.91 |
| | | | 08-Mar-06 | 9:21 AM | 50.01 | 0.83 | 455.56 |
| | | | 09-Mar-06 | 2:37 PM | 50.51 | 0.70 | 455.05 |
| | | | 01-May-06 | 10:13 AM | 50.14 | 0.83 | 455.43 |
| | | | 14-Jun-06 | 5:45 AM | 49.61 | 0.83 | 455.96 |
| MW-22 | 12 | 460.72 | 17-Jun-05 | 8:42 AM | 5.52 | 1.88 | 455.28 |
| | | | 04-Oct-05 | 9:41 AM | 6.17 | 2.20 | 454.64 |
| | | | 16-Dec-05 | 12:17 PM | 6.93 | 2.20 | 453.86 |
| | | | 15-Mar-06 | 9:13 AM | 6.45 | 2.20 | 454.35 |
| | | | 03-May-06 | 12:34 PM | 5.62 | 2.20 | 455.19 |
| MW-23 | 81 | 507.33 | 14-Jun-05 | 9:00 AM | 51.86 | 1.16 | 455.60 |
| | | | 04-Oct-05 | 8:29 AM | 54.08 | 1.16 | 453.37 |
| | | | 14-Dec-05 | 11:58 AM | 52.64 | 1.16 | 454.82 |
| | | | 08-Mar-06 | 1:38 PM | 52.77 | 1.16 | 454.69 |
| | | | 01-May-06 | 9:31 AM | 51.83 | 1.22 | 455.64 |
| MW-24A | 127 | 567.16 | 18-May-05 | 6:13 AM | 111.75 | 0.23 | 455.38 |
| | | | 16-Jun-05 | 11:21 AM | 111.28 | 0.23 | 455.84 |
| | | | 03-Oct-05 | 9:45 AM | 111.25 | 0.22 | 455.87 |
| | | | 06-Mar-06 | 1:18 PM | 111.24 | 0.22 | 455.88 |
| | | | 14-Jun-06 | 5:00 AM | 110.51 | 0.23 | 456.61 |
| MW-24B | 215 | 564.76 | 18-May-05 | 6:11 AM | 109.51 | 0.82 | 455.43 |
| | | | 16-Jun-05 | 10:23 AM | 109.01 | 0.82 | 455.92 |
| | | | 03-Oct-05 | 9:02 AM | 109.10 | 0.82 | 455.83 |
| | | | 07-Mar-06 | 11:05 AM | 109.53 | 0.83 | 455.40 |
| MW-24BR | 441 | 563.95 | 18-May-05 | 6:08 AM | 108.29 | 0.92 | 456.28 |
| | | | 15-Dec-05 | 2:25 PM | 108.20 | 0.93 | 456.41 |
| | | | 16-Mar-06 | 9:00 AM | 114.53 | 0.94 | 450.15 |
| | | | 09-May-06 | 2:16 PM | 103.33 | 1.00 | 461.50 |
| | | | 09-May-06 | 2:16 PM | 103.33 | 1.00 | 461.50 |
| | | | 01-Jun-06 | 7:20 AM | 102.10 | 1.00 | 462.67 |
| | | | 01-Jun-06 | 7:20 AM | 102.10 | 1.00 | 462.67 |
| MW-25 | 107 | 542.90 | 18-May-05 | 6:08 AM | 87.52 | 0.11 | 455.31 |
| | | | 14-Jun-05 | 10:08 AM | 87.10 | 0.11 | 455.74 |
| | | | 04-Oct-05 | 10:18 AM | 87.58 | 0.11 | 455.25 |
| | | | 14-Dec-05 | 1:07 PM | 88.30 | 0.11 | 454.54 |
| | | | 08-Mar-06 | 8:53 AM | 88.07 | 0.11 | 454.77 |
| | | | 09-Mar-06 | 12:52 PM | 87.97 | 0.09 | 454.87 |
| | | | 03-May-06 | 1:28 PM | 87.30 | 0.11 | 455.54 |
| | | | 14-Jun-06 | 6:07 AM | 86.71 | 0.11 | 456.13 |
| MW-26 | 70 | 502.22 | 18-May-05 | 6:54 AM | 47.08 | 0.23 | 455.07 |
| | | | 13-Jun-05 | 10:04 AM | 46.70 | 0.23 | 455.46 |
| | | | 04-Oct-05 | 9:05 AM | 47.18 | 0.23 | 454.97 |
| | | | 12-Dec-05 | 1:16 PM | 47.85 | 0.23 | 454.32 |
| | | | 08-Mar-06 | 12:29 PM | 47.65 | 0.23 | 454.52 |
| | | | 08-Mar-06 | 8:16 AM | 47.72 | 0.23 | 454.45 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|----------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | | |
| MW-26 | 70 | 502.22 | 01-May-06 | 10:15 AM | 46.81 | 0.23 | 455.35 |
| | | | 14-Jun-06 | 5:48 AM | 46.33 | 0.23 | 455.83 |
| MW-27-20 | 14 | 460.56 | 18-Jul-05 | 9:57 AM | 4.14 | 0.12 | 456.41 |
| | | | 05-Oct-05 | 9:20 AM | 5.80 | 0.06 | 454.74 |
| | | | 14-Dec-05 | 2:12 PM | 7.40 | 0.06 | 453.15 |
| | | | 06-Mar-06 | 10:19 AM | 5.59 | 0.07 | 454.96 |
| | | | 01-May-06 | 2:09 PM | 5.15 | 0.05 | 455.40 |
| | | | 14-Jun-06 | 10:30 AM | 4.11 | 0.05 | 456.44 |
| MW-27-60 | 59 | 461.38 | 18-Jul-05 | 7:50 AM | 4.83 | 0.95 | 456.80 |
| | | | 05-Oct-05 | 7:53 AM | 6.71 | 0.87 | 454.86 |
| | | | 15-Dec-05 | 10:59 AM | 8.80 | 0.87 | 452.79 |
| | | | 07-Mar-06 | 10:24 AM | 6.74 | 0.77 | 454.83 |
| | | | 01-May-06 | 9:29 AM | 5.81 | 0.80 | 455.74 |
| MW-27-85 | 80 | 460.99 | 02-Jun-05 | 10:21 AM | 5.30 | 1.31 | 456.22 |
| | | | 19-Jul-05 | 6:00 AM | 4.46 | 1.13 | 457.01 |
| | | | 16-Aug-05 | 5:12 AM | 6.00 | 1.13 | 455.46 |
| | | | 08-Sep-05 | 8:21 AM | 6.14 | 1.13 | 455.31 |
| | | | 05-Oct-05 | 8:35 AM | 6.65 | 1.20 | 454.78 |
| | | | 03-Nov-05 | 10:22 AM | 6.95 | 1.20 | 454.53 |
| | | | 15-Dec-05 | 10:20 AM | 8.58 | 1.20 | 452.89 |
| | | | 12-Jan-06 | 1:48 PM | 8.12 | 1.20 | 453.36 |
| | | | 08-Feb-06 | 12:41 PM | 7.60 | 1.20 | 453.91 |
| | | | 06-Mar-06 | 11:12 AM | 6.68 | 1.20 | 454.84 |
| | | | 03-Apr-06 | 1:50 PM | 6.95 | 1.10 | 454.51 |
| | | | 01-May-06 | 12:51 PM | 6.32 | 1.10 | 455.14 |
| | | | 14-Jun-06 | 9:29 AM | 5.08 | 1.10 | 456.38 |
| MW-28-25 | 21 | 466.85 | 15-Jun-05 | 9:45 AM | 10.60 | 0.10 | 456.23 |
| | | | 13-Jul-05 | 9:12 AM | 10.24 | 0.10 | 456.58 |
| | | | 06-Oct-05 | 8:13 AM | 11.96 | 0.08 | 454.86 |
| | | | 16-Dec-05 | 10:00 AM | 13.56 | 0.08 | 453.27 |
| | | | 09-Mar-06 | 9:19 AM | 11.65 | 0.09 | 455.19 |
| | | | 05-May-06 | 9:07 AM | 10.55 | 0.06 | 456.28 |
| MW-28-90 | 98 | 467.51 | 02-Jun-05 | 8:30 AM | 11.43 | 0.58 | 456.23 |
| | | | 15-Jun-05 | 10:41 AM | 11.93 | 0.58 | 455.75 |
| | | | 01-Jul-05 | 9:53 AM | 11.39 | 0.68 | 456.36 |
| | | | 13-Jul-05 | 10:04 AM | 11.40 | 0.68 | 456.35 |
| | | | 18-Aug-05 | 5:05 AM | 11.88 | 0.68 | 455.87 |
| | | | 09-Sep-05 | 7:11 AM | 12.14 | 0.68 | 455.60 |
| | | | 06-Oct-05 | 7:21 AM | 12.72 | 0.58 | 454.93 |
| | | | 02-Nov-05 | 2:30 PM | 13.72 | 0.58 | 453.95 |
| | | | 16-Dec-05 | 9:15 AM | 14.33 | 0.58 | 453.32 |
| | | | 10-Jan-06 | 10:39 AM | 14.08 | 0.58 | 453.58 |
| | | | 09-Feb-06 | 12:28 PM | 13.92 | 0.58 | 453.75 |
| | | | 06-Mar-06 | 2:02 PM | 13.24 | 0.58 | 454.44 |
| | | | 06-Apr-06 | 11:14 AM | 12.04 | 0.41 | 455.54 |
| | | | 05-May-06 | 8:33 AM | 11.67 | 0.41 | 455.92 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | |
| MW-28-90 | 98 | 467.51 | 15-Jun-06 8:33 AM | 11.18 | 0.41 | 456.42 |
| MW-29 | 42 | 485.21 | 15-Jun-05 8:45 AM | 29.11 | 0.30 | 456.09 |
| | | | 04-Oct-05 1:45 PM | 30.11 | 0.32 | 455.09 |
| | | | 12-Dec-05 10:19 AM | 31.23 | 0.32 | 453.97 |
| | | | 13-Apr-06 9:47 AM | 29.47 | 0.31 | 455.73 |
| | | | 05-May-06 9:55 AM | 29.21 | 0.31 | 455.99 |
| MW-30-30 | 27 | 468.12 | 07-Oct-05 10:15 AM | 14.73 | 3.00 | 453.73 |
| | | | 15-Dec-05 2:23 PM | 14.73 | 3.00 | 453.61 |
| | | | 13-Mar-06 11:55 AM | 14.27 | 3.00 | 454.08 |
| | | | 02-May-06 8:56 AM | 13.07 | 3.65 | 455.36 |
| MW-30-50 | 53 | 468.81 | 07-Oct-05 9:19 AM | 14.42 | 0.77 | 454.47 |
| | | | 16-Dec-05 11:47 AM | 15.82 | 0.77 | 453.07 |
| | | | 09-Mar-06 12:35 PM | 14.72 | 0.67 | 454.15 |
| | | | 02-May-06 8:05 AM | 13.30 | 0.61 | 455.56 |
| MW-31-60 | 64 | 496.81 | 13-Jun-05 11:35 AM | 40.96 | 0.20 | 455.79 |
| | | | 06-Oct-05 12:35 PM | 42.20 | 0.16 | 454.55 |
| | | | 13-Dec-05 2:15 PM | 43.20 | 0.16 | 453.55 |
| | | | 08-Mar-06 9:10 AM | 42.31 | 0.15 | 454.44 |
| | | | 15-Mar-06 2:52 PM | 42.43 | 0.16 | 454.32 |
| | | | 01-May-06 11:13 AM | 41.42 | 0.15 | 455.33 |
| | | | 14-Jun-06 5:50 AM | 40.74 | 0.15 | 456.01 |
| MW-31-135 | 135 | 498.11 | 16-Jun-05 10:20 AM | 42.84 | 0.74 | 455.39 |
| | | | 06-Oct-05 12:56 PM | 44.33 | 0.55 | 453.74 |
| | | | 14-Dec-05 8:26 AM | 45.21 | 0.53 | 452.90 |
| | | | 15-Mar-06 9:43 AM | 44.34 | 0.56 | 453.78 |
| | | | 08-May-06 9:02 AM | 43.00 | 0.59 | 455.14 |
| MW-32-20 | 20 | 461.51 | 17-Jun-05 11:28 AM | 6.10 | 1.75 | 455.56 |
| | | | 04-Oct-05 11:44 AM | 7.21 | 1.50 | 454.41 |
| | | | 16-Dec-05 2:59 PM | 8.31 | 1.50 | 453.29 |
| | | | 10-Mar-06 10:42 AM | 7.32 | 2.25 | 454.35 |
| | | | 04-May-06 11:39 AM | 6.29 | 0.55 | 455.24 |
| MW-32-35 | 37 | 461.63 | 17-Jun-05 10:52 AM | 5.93 | 0.45 | 455.70 |
| | | | 04-Oct-05 10:57 AM | 7.27 | 0.73 | 454.43 |
| | | | 16-Dec-05 2:16 PM | 8.57 | 0.73 | 453.12 |
| | | | 10-Mar-06 11:08 AM | 7.03 | 0.73 | 454.67 |
| | | | 04-May-06 10:37 AM | 6.13 | 0.56 | 455.54 |
| MW-33-40 | 42 | 487.38 | 17-Jun-05 8:36 AM | 31.35 | 0.34 | 456.02 |
| | | | 06-Oct-05 8:56 AM | 32.50 | 0.37 | 454.87 |
| | | | 06-Oct-05 8:56 AM | 32.50 | 0.37 | 454.87 |
| | | | 12-Dec-05 2:10 PM | 33.80 | 0.37 | 453.57 |
| | | | 09-Mar-06 11:22 AM | 32.60 | 0.70 | 454.79 |
| | | | 04-May-06 2:50 PM | 31.90 | 0.70 | 455.49 |
| MW-33-90 | 88 | 487.55 | 01-Jun-05 8:40 AM | 31.30 | 0.52 | 456.27 |
| | | | 16-Jun-05 10:28 AM | 31.70 | 0.52 | 455.87 |
| | | | 20-Jul-05 5:42 AM | 31.08 | 0.60 | 456.52 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | |
| MW-33-90 | 88 | 487.55 | 06-Oct-05 9:51 AM | 32.84 | 0.58 | 454.73 |
| | | | 13-Dec-05 12:09 PM | 33.85 | 0.58 | 453.74 |
| | | | 08-Mar-06 9:45 AM | 32.70 | 0.58 | 454.89 |
| | | | 03-May-06 2:30 PM | 32.13 | 0.62 | 455.47 |
| MW-33-150 | 155 | 487.77 | 16-Jun-05 8:38 AM | 32.00 | 1.10 | 456.31 |
| | | | 20-Jul-05 5:43 AM | 31.76 | 1.06 | 456.48 |
| | | | 17-Aug-05 8:47 AM | 32.70 | 1.13 | 455.63 |
| | | | 09-Sep-05 6:11 AM | 32.58 | 1.13 | 455.75 |
| | | | 06-Oct-05 11:54 AM | 33.70 | 1.09 | 454.58 |
| | | | 02-Nov-05 1:49 PM | 33.85 | 1.09 | 454.45 |
| | | | 12-Dec-05 1:33 PM | 34.57 | 1.08 | 453.72 |
| | | | 10-Jan-06 12:10 PM | 34.63 | 1.11 | 453.69 |
| | | | 07-Feb-06 11:50 AM | 33.10 | 1.11 | 455.22 |
| | | | 08-Mar-06 8:50 AM | 33.50 | 1.15 | 454.86 |
| | | | 06-Apr-06 1:06 PM | 32.82 | 1.15 | 455.54 |
| | | | 03-May-06 1:20 PM | 32.85 | 1.09 | 455.44 |
| | | | 16-Jun-06 5:35 AM | 31.63 | 1.09 | 456.62 |
| MW-33-210 | 223 | 487.25 | 16-Jun-05 12:07 PM | 32.28 | 1.38 | 456.18 |
| | | | 20-Jul-05 5:40 AM | 31.78 | 1.38 | 456.67 |
| | | | 17-Aug-05 7:47 AM | 32.49 | 1.38 | 455.95 |
| | | | 06-Sep-05 9:05 AM | 32.70 | 1.38 | 455.73 |
| | | | 06-Oct-05 11:02 AM | 33.35 | 1.25 | 454.83 |
| | | | 02-Nov-05 1:05 PM | 33.54 | 1.25 | 454.71 |
| | | | 12-Dec-05 11:29 AM | 34.13 | 1.25 | 454.14 |
| | | | 10-Jan-06 1:10 PM | 34.41 | 1.35 | 453.97 |
| | | | 07-Feb-06 10:40 AM | 33.78 | 1.35 | 454.60 |
| | | | 06-Mar-06 12:25 PM | 33.31 | 1.35 | 455.07 |
| | | | 13-Apr-06 12:30 PM | 32.68 | 1.34 | 455.69 |
| | | | 05-May-06 6:43 AM | 31.93 | 1.34 | 456.44 |
| | | | 16-Jun-06 6:22 AM | 31.64 | 1.34 | 456.68 |
| MW-34-55 | 57 | 460.95 | 15-Jul-05 6:58 AM | 3.95 | 0.55 | 457.09 |
| | | | 05-Oct-05 12:03 PM | 6.80 | 0.55 | 454.21 |
| | | | 14-Dec-05 10:15 AM | 7.84 | 0.55 | 453.19 |
| | | | 08-Mar-06 12:04 PM | 6.56 | 0.45 | 454.45 |
| | | | 03-May-06 7:05 AM | 4.75 | 0.55 | 456.31 |
| MW-34-80 | 84 | 461.20 | 01-Jun-05 10:43 AM | 5.23 | 0.77 | 456.22 |
| | | | 30-Jun-05 11:56 AM | 5.48 | 0.77 | 455.97 |
| | | | 14-Jul-05 9:00 AM | 4.63 | 0.89 | 456.89 |
| | | | 15-Aug-05 7:36 AM | 6.12 | 0.89 | 455.36 |
| | | | 07-Sep-05 7:11 AM | 5.66 | 0.89 | 455.86 |
| | | | 05-Oct-05 12:00 PM | 7.03 | 0.82 | 454.42 |
| | | | 03-Nov-05 8:24 AM | 6.50 | 0.73 | 454.90 |
| | | | 14-Dec-05 9:10 AM | 7.83 | 0.73 | 453.58 |
| | | | 11-Jan-06 1:13 PM | 7.89 | 0.93 | 453.65 |
| | | | 08-Feb-06 9:58 AM | 7.43 | 0.93 | 454.12 |
| | | | 09-Mar-06 9:58 AM | 6.63 | 0.75 | 454.84 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|-------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| | | | Date | Time | | | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
| Monitoring Wells | | | | | | | |
| MW-34-80 | 84 | 461.20 | 03-Apr-06 | 11:25 AM | 7.12 | 0.75 | 454.35 |
| | | | 03-May-06 | 8:28 AM | 5.15 | 0.75 | 456.32 |
| | | | 14-Jun-06 | 6:59 AM | 4.57 | 0.75 | 456.90 |
| MW-34-100 | 117 | 460.96 | 01-Jun-05 | 12:24 PM | 5.65 | 1.17 | 455.97 |
| | | | 08-Jun-05 | 8:23 AM | 4.96 | 1.17 | 456.67 |
| | | | 21-Jun-05 | 10:08 AM | 5.25 | 1.17 | 456.34 |
| | | | 07-Jul-05 | 9:22 AM | 5.02 | 1.07 | 456.50 |
| | | | 14-Jul-05 | 6:52 AM | 4.63 | 1.07 | 456.86 |
| | | | 27-Jul-05 | 5:21 AM | 5.49 | 1.07 | 456.05 |
| | | | 10-Aug-05 | 5:17 AM | 5.77 | 1.07 | 455.71 |
| | | | 15-Aug-05 | 5:58 AM | 6.20 | 1.07 | 455.34 |
| | | | 31-Aug-05 | 6:30 AM | 5.86 | 1.07 | 455.68 |
| | | | 07-Sep-05 | 8:41 AM | 5.98 | 1.07 | 455.55 |
| | | | 20-Sep-05 | 6:48 AM | 5.60 | 1.07 | 455.86 |
| | | | 05-Oct-05 | 11:00 AM | 6.90 | 1.01 | 454.61 |
| | | | 03-Nov-05 | 9:25 AM | 6.74 | 1.01 | 454.78 |
| | | | 16-Nov-05 | 10:50 AM | 7.15 | 1.01 | 454.37 |
| | | | 30-Nov-05 | 10:35 AM | 7.23 | 1.01 | 454.25 |
| | | | 14-Dec-05 | 12:48 PM | 8.24 | 1.01 | 453.25 |
| | | | 28-Dec-05 | 8:30 AM | 8.78 | 1.01 | 452.72 |
| | | | 12-Jan-06 | 8:58 AM | 7.66 | 1.14 | 453.96 |
| | | | 23-Jan-06 | 9:45 AM | 7.65 | 1.14 | 453.99 |
| | | | 08-Feb-06 | 11:45 AM | 7.81 | 1.14 | 453.84 |
| | | | 08-Mar-06 | 1:35 PM | 7.43 | 1.05 | 454.17 |
| | | | 23-Mar-06 | 9:04 AM | 7.39 | 1.05 | 454.08 |
| | | | 03-Apr-06 | 12:53 PM | 7.48 | 1.05 | 454.12 |
| | | | 03-May-06 | 10:37 AM | 6.40 | 1.05 | 455.20 |
| | | | 17-May-06 | 12:22 PM | 6.24 | 1.05 | 455.23 |
| | | | 31-May-06 | 7:49 AM | 5.03 | 1.05 | 456.55 |
| | | | 14-Jun-06 | 8:23 AM | 5.09 | 1.05 | 456.50 |
| | | | 28-Jun-06 | 8:20 AM | 5.40 | 1.05 | 456.16 |
| MW-35-60 | 57 | 484.19 | 13-Jun-05 | 11:53 AM | 27.95 | 0.41 | 456.22 |
| | | | 07-Oct-05 | 11:56 AM | 29.35 | 0.44 | 454.82 |
| | | | 14-Dec-05 | 9:45 AM | 30.47 | 0.44 | 453.71 |
| | | | 08-Mar-06 | 9:05 AM | 28.84 | 0.44 | 455.34 |
| | | | 14-Mar-06 | 1:46 PM | 29.22 | 0.41 | 454.96 |
| | | | 01-May-06 | 12:05 PM | 28.25 | 0.44 | 455.93 |
| | | | 14-Jun-06 | 5:52 AM | 27.23 | 0.44 | 456.95 |
| MW-35-135 | 159 | 483.57 | 13-Jun-05 | 12:44 PM | 28.00 | 0.67 | 455.73 |
| | | | 07-Oct-05 | 11:06 AM | 28.98 | 0.70 | 454.75 |
| | | | 14-Dec-05 | 10:26 AM | 30.02 | 0.70 | 453.78 |
| | | | 10-Mar-06 | 12:27 PM | 29.70 | 0.59 | 453.97 |
| | | | 02-May-06 | 3:12 PM | 28.14 | 0.73 | 455.64 |
| MW-36-20 | 23 | 469.26 | 03-Oct-05 | 12:12 PM | 14.96 | 0.71 | 454.32 |
| | | | 15-Dec-05 | 12:27 PM | 16.56 | 0.71 | 452.71 |
| | | | 01-May-06 | 8:23 AM | 13.77 | 1.16 | 455.54 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|-------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| | | | Date | Time | | | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
| Monitoring Wells | | | | | | | |
| MW-36-40 | 43 | 469.61 | 03-Oct-05 | 10:25 AM | 15.06 | 0.64 | 454.60 |
| | | | 15-Dec-05 | 10:42 AM | 17.00 | 0.64 | 452.65 |
| | | | 07-Mar-06 | 11:42 AM | 15.34 | 0.83 | 454.35 |
| | | | 01-May-06 | 11:24 AM | 14.35 | 1.05 | 455.39 |
| MW-36-50 | 53 | 469.60 | 03-Oct-05 | 12:34 PM | 15.00 | 0.44 | 454.60 |
| | | | 15-Dec-05 | 9:57 AM | 17.01 | 0.44 | 452.59 |
| | | | 07-Mar-06 | 10:50 AM | 15.14 | 0.60 | 454.51 |
| | | | 01-May-06 | 2:21 PM | 14.85 | 0.50 | 454.77 |
| MW-36-70 | 72 | 469.25 | 03-Oct-05 | 10:59 AM | 14.78 | 0.53 | 454.52 |
| | | | 15-Dec-05 | 1:07 PM | 16.64 | 0.53 | 452.65 |
| | | | 09-Feb-06 | 12:30 PM | 15.78 | 0.58 | 453.53 |
| | | | 07-Mar-06 | 9:54 AM | 14.75 | 0.58 | 454.57 |
| | | | 06-Apr-06 | 10:18 AM | 13.78 | 0.58 | 455.54 |
| | | | 01-May-06 | 8:23 AM | 13.65 | 0.58 | 455.66 |
| MW-36-90 | 92 | 469.61 | 13-Jun-06 | 7:36 AM | 13.21 | 0.58 | 456.10 |
| | | | 25-Jul-05 | 9:53 AM | 14.19 | 1.16 | 455.84 |
| | | | 17-Aug-05 | 6:50 AM | 14.73 | 1.16 | 455.30 |
| | | | 08-Sep-05 | 7:30 AM | 14.74 | 1.16 | 455.28 |
| | | | 03-Oct-05 | 9:17 AM | 9.25 | 0.98 | 460.69 |
| | | | 02-Nov-05 | 11:10 AM | 16.07 | 0.98 | 453.84 |
| | | | 15-Dec-05 | 11:13 AM | 17.45 | 0.98 | 452.47 |
| | | | 12-Jan-06 | 12:10 PM | 17.12 | 0.98 | 452.78 |
| | | | 09-Feb-06 | 12:13 PM | 16.92 | 0.98 | 453.00 |
| | | | 07-Mar-06 | 12:25 PM | 16.22 | 0.98 | 453.71 |
| | | | 04-Apr-06 | 2:05 PM | 14.53 | 0.90 | 455.36 |
| MW-36-100 | 110 | 469.64 | 01-May-06 | 12:19 PM | 15.50 | 0.90 | 454.35 |
| | | | 13-Jun-06 | 6:53 AM | 14.22 | 0.90 | 455.65 |
| | | | 02-Jun-05 | 9:22 AM | 14.26 | 1.30 | 455.96 |
| | | | 19-Jul-05 | 8:18 AM | 13.86 | 1.30 | 456.39 |
| | | | 17-Aug-05 | 9:30 AM | 15.00 | 1.30 | 455.24 |
| | | | 08-Sep-05 | 6:41 AM | 14.81 | 1.30 | 455.43 |
| | | | 05-Oct-05 | 9:57 AM | 15.35 | 1.10 | 454.71 |
| | | | 03-Nov-05 | 11:03 AM | 15.54 | 1.10 | 454.55 |
| | | | 13-Dec-05 | 2:02 PM | 17.06 | 1.10 | 453.03 |
| | | | 12-Jan-06 | 12:56 PM | 17.28 | 1.10 | 452.78 |
| | | | 08-Feb-06 | 1:12 PM | 17.20 | 1.10 | 452.89 |
| MW-37D | 227 | 486.19 | 13-Mar-06 | 2:05 PM | 16.94 | 1.10 | 453.15 |
| | | | 05-Apr-06 | 11:01 AM | 16.36 | 1.07 | 453.72 |
| | | | 02-May-06 | 3:00 PM | 15.64 | 1.07 | 454.43 |
| | | | 15-Jun-06 | 9:28 AM | 14.64 | 1.07 | 455.41 |
| | | | 18-May-05 | 6:18 AM | 31.25 | 0.93 | 455.35 |
| | | | 15-Jun-05 | 11:55 AM | 30.88 | 0.93 | 455.72 |
| | | | 04-Oct-05 | 11:45 AM | 31.25 | 0.89 | 455.29 |
| | | | 14-Dec-05 | 1:40 PM | 31.92 | 0.89 | 454.64 |
| | | | 13-Mar-06 | 10:40 AM | 31.70 | 0.89 | 454.86 |
| | | | 03-May-06 | 2:40 PM | 30.68 | 1.15 | 456.24 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | |
| MW-37S | 87 | 485.97 | 18-May-05 6:20 AM | 31.00 | 0.25 | 454.83 |
| | | | 15-Jun-05 10:53 AM | 30.67 | 0.25 | 455.15 |
| | | | 04-Oct-05 11:43 AM | 31.00 | 0.25 | 454.82 |
| | | | 14-Dec-05 2:26 PM | 31.83 | 0.25 | 454.00 |
| | | | 13-Mar-06 10:39 AM | 31.50 | 0.25 | 454.33 |
| | | | 04-May-06 1:22 PM | 30.38 | 0.30 | 455.47 |
| MW-38D | 191 | 525.31 | 18-May-05 6:29 AM | 70.93 | 1.32 | 454.96 |
| | | | 17-Jun-05 8:46 AM | 70.48 | 1.32 | 455.40 |
| | | | 07-Oct-05 7:34 AM | 70.45 | 1.24 | 455.37 |
| | | | 10-Mar-06 8:40 AM | 70.95 | 1.40 | 455.01 |
| MW-38S | 98 | 525.51 | 18-May-05 6:27 AM | 70.72 | 0.25 | 454.73 |
| | | | 17-Jun-05 8:01 AM | 70.25 | 0.25 | 455.19 |
| | | | 07-Oct-05 8:27 AM | 70.18 | 0.24 | 455.26 |
| | | | 10-Mar-06 9:18 AM | 70.70 | 0.24 | 454.74 |
| | | | 14-Jun-06 5:12 AM | 69.43 | 0.24 | 456.01 |
| MW-39-40 | 42 | 468.02 | 16-Jun-05 10:10 AM | 12.00 | 0.38 | 456.01 |
| | | | 04-Oct-05 7:40 AM | 13.50 | 0.38 | 454.50 |
| | | | 16-Dec-05 10:30 AM | 15.33 | 0.38 | 452.67 |
| | | | 07-Mar-06 2:28 PM | 13.94 | 0.34 | 454.06 |
| | | | 02-May-06 7:10 AM | 12.36 | 0.41 | 455.65 |
| MW-39-50 | 55 | 467.93 | 16-Jun-05 12:35 PM | 12.00 | 0.67 | 455.99 |
| | | | 04-Oct-05 10:14 AM | 13.86 | 0.85 | 454.16 |
| | | | 16-Dec-05 9:36 AM | 15.33 | 0.85 | 452.79 |
| | | | 12-Jan-06 9:57 AM | 15.04 | 0.85 | 453.00 |
| | | | 08-Mar-06 9:50 AM | 13.74 | 0.85 | 454.30 |
| | | | 02-May-06 8:27 AM | 12.65 | 0.90 | 455.41 |
| MW-39-60 | 66 | 468.00 | 16-Jun-05 11:43 AM | 12.00 | 0.77 | 456.13 |
| | | | 04-Oct-05 11:03 AM | 14.16 | 0.90 | 453.99 |
| | | | 16-Dec-05 8:52 AM | 15.51 | 0.90 | 452.65 |
| | | | 08-Mar-06 1:12 PM | 14.31 | 0.80 | 453.82 |
| | | | 02-May-06 8:30 AM | 12.95 | 1.01 | 455.26 |
| MW-39-70 | 72 | 468.02 | 16-Jun-05 10:53 AM | 12.00 | 0.65 | 456.11 |
| | | | 04-Oct-05 8:21 AM | 14.19 | 0.85 | 453.99 |
| | | | 16-Dec-05 11:02 AM | 15.79 | 0.85 | 452.38 |
| | | | 10-Feb-06 10:57 AM | 15.20 | 0.66 | 452.91 |
| | | | 08-Mar-06 12:25 PM | 14.59 | 0.66 | 453.52 |
| | | | 06-Apr-06 8:37 AM | 13.40 | 0.90 | 454.81 |
| | | | 02-May-06 7:00 AM | 13.20 | 0.90 | 455.02 |
| | | | 14-Jun-06 5:47 AM | 12.35 | 0.90 | 455.87 |
| MW-39-80 | 83 | 467.92 | 16-Jun-05 1:10 PM | 12.00 | 0.90 | 456.16 |
| | | | 25-Jul-05 8:40 AM | 12.55 | 0.90 | 455.60 |
| | | | 17-Aug-05 5:56 AM | 13.22 | 0.90 | 454.93 |
| | | | 06-Sep-05 6:45 AM | 13.36 | 0.90 | 454.79 |
| | | | 04-Oct-05 9:03 AM | 14.23 | 1.03 | 453.96 |
| | | | 02-Nov-05 10:42 AM | 14.55 | 1.03 | 453.65 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | |
| MW-39-80 | 83 | 467.92 | 15-Dec-05 2:02 PM | 15.74 | 1.03 | 452.46 |
| | | | 12-Jan-06 10:35 AM | 15.79 | 1.03 | 452.41 |
| | | | 10-Feb-06 11:18 AM | 15.18 | 1.03 | 453.02 |
| | | | 08-Mar-06 10:53 AM | 14.48 | 1.03 | 453.73 |
| | | | 06-Apr-06 8:35 AM | 13.40 | 1.03 | 454.82 |
| | | | 02-May-06 8:28 AM | 13.33 | 1.03 | 454.88 |
| | | | 14-Jun-06 6:10 AM | 12.35 | 1.03 | 455.88 |
| MW-39-100 | 118 | 468.01 | 17-Jun-05 9:50 AM | 13.60 | 1.30 | 455.00 |
| | | | 19-Jul-05 7:02 AM | 12.52 | 1.40 | 456.22 |
| | | | 17-Aug-05 5:10 AM | 13.45 | 1.40 | 455.28 |
| | | | 06-Sep-05 7:48 AM | 13.62 | 1.40 | 455.11 |
| | | | 04-Oct-05 12:50 PM | 14.79 | 1.20 | 453.73 |
| | | | 02-Nov-05 9:32 AM | 14.68 | 1.20 | 453.88 |
| | | | 13-Dec-05 2:50 PM | 15.66 | 1.20 | 452.89 |
| | | | 12-Jan-06 11:25 AM | 16.01 | 1.30 | 452.62 |
| | | | 08-Feb-06 2:05 PM | 15.52 | 1.30 | 453.12 |
| | | | 13-Mar-06 1:18 PM | 15.70 | 1.30 | 452.93 |
| | | | 05-Apr-06 11:51 AM | 14.40 | 1.20 | 454.17 |
| | | | 02-May-06 1:41 PM | 14.16 | 1.20 | 454.42 |
| | | | 14-Jun-06 11:00 AM | 12.83 | 1.20 | 455.76 |
| MW-40D | 266 | 566.08 | 18-May-05 7:09 AM | 111.26 | 0.97 | 455.13 |
| | | | 16-Jun-05 8:48 AM | 110.81 | 0.97 | 455.57 |
| | | | 05-Oct-05 8:48 AM | 110.90 | 0.95 | 455.46 |
| | | | 13-Dec-05 9:36 AM | 111.25 | 0.95 | 455.12 |
| | | | 08-Mar-06 11:31 AM | 107.73 | 0.99 | 458.69 |
| | | | 08-Mar-06 9:03 AM | 107.73 | 1.11 | 458.82 |
| | | | 02-May-06 7:41 AM | 110.42 | 1.11 | 456.12 |
| MW-40S | 134 | 566.04 | 18-May-05 7:11 AM | 110.80 | 0.12 | 455.16 |
| | | | 16-Jun-05 8:00 AM | 110.36 | 0.12 | 455.59 |
| | | | 05-Oct-05 9:38 AM | 110.30 | 0.12 | 455.65 |
| | | | 13-Dec-05 8:38 AM | 110.86 | 0.12 | 455.10 |
| | | | 08-Mar-06 9:54 AM | 108.36 | 0.12 | 457.59 |
| | | | 08-Mar-06 9:03 AM | 108.36 | 0.13 | 457.59 |
| | | | 03-May-06 9:50 AM | 109.86 | 0.13 | 456.09 |
| | | | 14-Jun-06 6:59 AM | 109.43 | 0.13 | 456.52 |
| MW-41D | 313 | 479.42 | 18-May-05 6:25 AM | 24.36 | 1.36 | 456.65 |
| | | | 14-Jun-05 8:10 AM | 23.98 | 1.36 | 456.98 |
| | | | 05-Oct-05 11:38 AM | 24.55 | 1.35 | 456.36 |
| | | | 16-Dec-05 10:34 AM | 25.08 | 1.35 | 455.84 |
| | | | 15-Mar-06 11:15 AM | 24.70 | 1.25 | 456.01 |
| | | | 05-May-06 7:24 AM | 23.82 | 1.30 | 456.99 |
| MW-41M | 192 | 479.83 | 18-May-05 6:26 AM | 24.16 | 1.11 | 456.35 |
| | | | 14-Jun-05 9:31 AM | 23.83 | 1.11 | 456.65 |
| | | | 05-Oct-05 11:37 AM | 24.40 | 0.98 | 455.91 |
| | | | 16-Dec-05 11:44 AM | 25.14 | 0.98 | 455.17 |
| | | | 13-Mar-06 1:35 PM | 24.66 | 0.90 | 455.55 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | |
| MW-41M | 192 | 479.83 | 05-May-06 12:23 PM | 23.70 | 1.12 | 456.77 |
| MW-41S | 62 | 480.07 | 18-May-05 6:27 AM | 24.13 | 0.16 | 455.84 |
| | | | 14-Jun-05 10:21 AM | 23.86 | 0.16 | 456.10 |
| | | | 05-Oct-05 11:36 AM | 24.58 | 0.28 | 455.41 |
| | | | 16-Dec-05 12:30 PM | 25.57 | 0.28 | 454.43 |
| | | | 08-Mar-06 8:37 AM | 24.75 | 0.50 | 455.31 |
| | | | 13-Mar-06 2:36 PM | 24.72 | 0.25 | 455.27 |
| | | | 05-May-06 1:39 PM | 23.70 | 0.50 | 456.35 |
| | | | 14-Jun-06 6:18 AM | 23.34 | 0.50 | 456.71 |
| MW-42-30 | 32 | 463.81 | 07-Oct-05 8:40 AM | 9.34 | 1.04 | 454.57 |
| | | | 15-Dec-05 1:07 PM | 11.28 | 1.04 | 452.62 |
| | | | 07-Mar-06 12:14 PM | 9.63 | 0.98 | 454.27 |
| | | | 02-May-06 10:14 AM | 8.64 | 0.70 | 455.20 |
| MW-42-55 | 56 | 463.87 | 07-Oct-05 7:58 AM | 9.32 | 1.08 | 454.77 |
| | | | 15-Dec-05 12:43 PM | 11.25 | 1.08 | 452.83 |
| | | | 07-Mar-06 1:07 PM | 9.78 | 0.92 | 454.26 |
| | | | 02-May-06 11:07 AM | 8.03 | 1.02 | 456.05 |
| MW-42-65 | 80 | 463.37 | 07-Oct-05 7:24 AM | 8.86 | 1.09 | 454.86 |
| | | | 15-Dec-05 12:11 PM | 10.77 | 1.04 | 452.92 |
| | | | 07-Mar-06 2:35 PM | 9.38 | 1.17 | 454.38 |
| | | | 02-May-06 11:47 AM | 8.42 | 1.17 | 455.32 |
| MW-43-25 | 27 | 462.54 | 20-Jun-05 10:30 AM | 6.23 | 0.10 | 456.29 |
| | | | 04-Oct-05 8:48 AM | 7.90 | 0.07 | 454.61 |
| | | | 16-Dec-05 2:17 PM | 9.56 | 0.07 | 452.96 |
| | | | 10-Mar-06 8:34 AM | 7.26 | 0.09 | 455.26 |
| | | | 04-May-06 9:11 AM | 6.36 | 0.09 | 456.16 |
| MW-43-75 | 77 | 462.71 | 20-Jun-05 8:21 AM | 6.18 | 0.91 | 456.84 |
| | | | 26-Jul-05 7:31 AM | 7.05 | 0.91 | 455.98 |
| | | | 16-Aug-05 6:45 AM | 7.38 | 0.91 | 455.64 |
| | | | 08-Sep-05 9:45 AM | 7.95 | 0.91 | 455.05 |
| | | | 04-Oct-05 8:25 AM | 8.22 | 0.93 | 454.75 |
| | | | 03-Nov-05 12:02 PM | 8.74 | 0.93 | 454.28 |
| | | | 16-Dec-05 2:07 PM | 9.89 | 0.93 | 453.09 |
| | | | 11-Jan-06 11:00 AM | 9.32 | 0.96 | 453.73 |
| | | | 10-Feb-06 9:20 AM | 8.65 | 0.96 | 454.41 |
| | | | 10-Mar-06 9:16 AM | 7.69 | 0.96 | 455.38 |
| | | | 03-Apr-06 10:17 AM | 8.13 | 0.89 | 454.90 |
| | | | 04-May-06 7:45 AM | 6.45 | 0.89 | 456.59 |
| MW-43-90 | 102 | 462.76 | 20-Jun-05 8:21 AM | 6.18 | 1.33 | 457.27 |
| | | | 26-Jul-05 5:39 AM | 6.56 | 1.31 | 456.91 |
| | | | 16-Aug-05 8:12 AM | 7.73 | 1.31 | 455.72 |
| | | | 08-Sep-05 9:41 AM | 8.15 | 1.31 | 455.28 |
| | | | 04-Oct-05 7:52 AM | 8.36 | 1.20 | 454.93 |
| | | | 03-Nov-05 12:30 PM | 9.04 | 1.20 | 454.31 |
| | | | 16-Dec-05 1:00 PM | 10.05 | 1.20 | 453.24 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | |
| MW-43-90 | 102 | 462.76 | 11-Jan-06 9:07 AM | 9.43 | 1.42 | 454.09 |
| | | | 10-Feb-06 9:47 AM | 9.68 | 1.42 | 453.85 |
| | | | 10-Mar-06 9:48 AM | 8.05 | 1.42 | 455.50 |
| | | | 03-Apr-06 9:32 AM | 8.30 | 1.27 | 455.15 |
| | | | 04-May-06 8:29 AM | 6.90 | 1.27 | 456.57 |
| MW-44-70 | 70 | 471.88 | 09-Mar-06 2:47 AM | 18.70 | 0.48 | 453.21 |
| | | | 23-Mar-06 10:56 AM | 17.80 | 0.48 | 454.11 |
| | | | 05-Apr-06 2:03 PM | 16.58 | 0.48 | 455.33 |
| | | | 04-May-06 9:50 AM | 16.33 | 0.48 | 455.58 |
| | | | 13-Jun-06 6:57 AM | 15.60 | 0.48 | 456.30 |
| | | | 15-Jun-06 7:44 AM | 15.55 | 0.48 | 456.35 |
| | | | 15-Jun-06 7:44 AM | 15.55 | 0.48 | 456.35 |
| MW-44-115 | 114 | 471.99 | 14-Mar-06 12:55 PM | 19.39 | 0.80 | 452.85 |
| | | | 22-Mar-06 1:35 PM | 18.82 | 0.80 | 453.40 |
| | | | 04-Apr-06 1:15 PM | 16.89 | 0.80 | 455.36 |
| | | | 20-Apr-06 12:55 PM | 17.30 | 0.80 | 454.96 |
| | | | 26-Apr-06 11:06 AM | 16.21 | 0.80 | 456.06 |
| | | | 04-May-06 11:40 AM | 17.36 | 0.80 | 454.90 |
| | | | 10-May-06 12:25 PM | 17.37 | 0.80 | 454.90 |
| | | | 17-May-06 9:46 AM | 16.74 | 0.80 | 455.48 |
| | | | 31-May-06 11:27 AM | 17.28 | 0.80 | 454.99 |
| | | | 13-Jun-06 9:34 AM | 16.69 | 0.80 | 455.58 |
| | | | 28-Jun-06 10:08 AM | 16.70 | 0.80 | 455.57 |
| MW-44-125 | 129 | 471.99 | 09-Mar-06 1:48 PM | 19.10 | 0.59 | 453.03 |
| | | | 22-Mar-06 12:20 PM | 18.20 | 0.59 | 453.92 |
| | | | 05-Apr-06 9:38 AM | 16.29 | 0.59 | 455.85 |
| | | | 20-Apr-06 8:56 AM | 16.80 | 0.59 | 455.32 |
| | | | 26-Apr-06 8:33 AM | 15.75 | 0.59 | 456.38 |
| | | | 04-May-06 6:48 AM | 16.39 | 0.59 | 455.74 |
| | | | 10-May-06 9:03 AM | 16.61 | 0.59 | 455.49 |
| | | | 17-May-06 8:15 AM | 16.15 | 0.59 | 455.91 |
| | | | 31-May-06 8:58 AM | 16.53 | 0.59 | 455.59 |
| | | | 28-Jun-06 9:15 AM | 16.25 | 0.59 | 455.89 |
| MW-45-095a | 97 | 470.16 | 24-Mar-06 8:48 AM | 17.12 | 0.86 | 453.32 |
| MW-45-095b | 97 | 469.65 | 24-Mar-06 10:36 AM | 17.93 | 0.86 | 452.01 |
| MW-46-175 | 182 | 482.20 | 14-Mar-06 11:42 AM | 29.45 | 1.09 | 455.15 |
| | | | 24-Mar-06 8:50 AM | 28.20 | 1.09 | 456.42 |
| | | | 07-Apr-06 8:55 AM | 27.22 | 1.09 | 455.78 |
| | | 482.16 | 04-May-06 1:18 PM | 27.62 | 1.02 | 455.24 |
| | | | 18-May-06 12:19 PM | 27.36 | 1.02 | 455.41 |
| | | | 31-May-06 12:43 PM | 27.23 | 1.02 | 455.65 |
| | | | 15-Jun-06 6:29 AM | 26.41 | 1.02 | 456.51 |
| | | | 30-Jun-06 12:48 PM | 26.75 | 1.02 | 455.98 |
| MW-46-205 | 225 | 482.25 | 14-Mar-06 10:25 AM | 29.94 | 1.33 | 455.13 |
| | | | 24-Mar-06 10:23 AM | 28.58 | 1.33 | 456.49 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | |
| MW-46-205 | 225 | 482.25 | 07-Apr-06 8:35 AM | 23.40 | 1.33 | 460.24 |
| | | 482.23 | 04-May-06 2:45 PM | 27.95 | 1.25 | 455.53 |
| | | | 15-Jun-06 5:30 AM | 26.72 | 1.25 | 456.79 |
| MW-47-55 | 55 | 483.87 | 23-Mar-06 1:30 PM | 29.12 | 0.26 | 454.69 |
| | | | 16-May-06 9:20 AM | 27.45 | 0.26 | 456.36 |
| MW-47-115 | 115 | 484.06 | 23-Mar-06 12:31 PM | 30.16 | 0.94 | 454.11 |
| | | | 16-May-06 9:20 AM | 27.94 | 0.94 | 456.33 |
| MW-48 | 138 | 486.22 | 05-Jun-06 10:03 AM | 29.10 | 0.95 | 457.26 |
| MW-49-135 | 137 | 484.02 | 25-Apr-06 10:55 AM | 28.43 | 0.70 | 455.79 |
| | | | 18-May-06 8:50 AM | 27.93 | 1.11 | 456.59 |
| MW-49-275 | 275 | 483.95 | 25-Apr-06 1:30 PM | 29.37 | 1.03 | 455.37 |
| | | | 18-May-06 10:05 AM | 29.32 | 1.61 | 456.40 |
| MW-49-365 | 367 | 484.01 | 26-Apr-06 12:45 PM | 30.85 | 2.60 | 458.00 |
| | | | 16-May-06 9:50 AM | 30.86 | 2.59 | 458.33 |
| MW-50-095 | 96 | 496.55 | 09-May-06 7:14 AM | 40.50 | 0.35 | 455.92 |
| | | | 24-May-06 1:49 PM | 39.65 | 0.35 | 456.81 |
| MW-50-200 | 205 | 496.45 | 09-May-06 7:16 AM | 41.02 | 1.48 | 456.27 |
| | | | 24-May-06 1:08 PM | 41.47 | 1.48 | 456.03 |
| MW-51 | 113 | 501.56 | 30-May-06 10:48 AM | 44.98 | 0.79 | 456.61 |
| OW-3D | 274 | 558.63 | 18-May-05 6:06 AM | 102.60 | 0.29 | 455.62 |
| | | | 06-Oct-05 10:12 AM | 102.14 | 0.45 | 456.26 |
| | | | 09-Mar-06 8:30 AM | 102.41 | 0.45 | 456.00 |
| OW-3M | 202 | 558.90 | 18-May-05 6:05 AM | 102.95 | 0.24 | 455.70 |
| | | | 06-Oct-05 11:06 AM | 102.48 | 0.33 | 456.23 |
| | | | 09-Mar-06 9:17 AM | 102.61 | 0.33 | 456.09 |
| OW-3S | 118 | 558.58 | 18-May-05 6:03 AM | 102.61 | 0.13 | 455.92 |
| | | | 06-Oct-05 11:53 AM | 102.18 | 0.13 | 456.35 |
| | | | 08-Mar-06 8:07 AM | 102.53 | 0.11 | 456.00 |
| | | | 09-Mar-06 9:55 AM | 102.33 | 0.11 | 456.20 |
| | | | 14-Jun-06 6:41 AM | 101.18 | 0.11 | 457.34 |
| PE-1 | 97 | 469.65 | 03-Oct-05 9:49 AM | 15.20 | 0.75 | 454.68 |
| | | | 13-Dec-05 8:50 AM | 16.42 | 0.75 | 453.43 |
| PGE-6 | 181 | 563.32 | 18-May-05 6:20 AM | 107.93 | 0.26 | 455.24 |
| | | | 12-Oct-05 5:53 AM | 107.34 | 0.28 | 455.84 |
| PGE-7 | 332 | 563.89 | 18-May-05 6:16 AM | 108.65 | 0.88 | 455.78 |
| | | | 13-Oct-05 9:37 AM | 108.11 | 1.00 | 456.52 |
| PGE-8 | 564 | 596.01 | 18-May-05 5:52 AM | 140.75 | 1.11 | 456.71 |
| TW-1 | 240 | 620.55 | 11-Oct-05 10:43 AM | 164.53 | 0.35 | 455.87 |
| TW-2S | 102 | 499.05 | 14-Jun-06 8:30 AM | 38.88 | 0.28 | 460.08 |
| TW-4 | 255 | 484.11 | 18-May-06 8:49 AM | 28.71 | 1.12 | 456.02 |
| | | | 05-Jun-06 11:30 AM | 28.67 | 1.12 | 455.95 |
| TW-5 | 153 | 496.30 | 10-May-06 11:12 AM | 41.20 | 0.70 | 455.08 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------------|----------------------------------|------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Monitoring Wells | | | | | | |
| TW-5 | 153 | 496.30 | 01-Jun-06 9:14 AM | 40.43 | 0.70 | 455.94 |
| Other Wells not in GMP | | | | | | |
| CW-1D | 322 | 566.46 | 18-May-05 6:37 AM | 110.86 | 0.71 | 455.88 |
| CW-1M | 191 | 566.07 | 18-May-05 6:36 AM | 110.35 | 0.24 | 455.56 |
| CW-2D | 355 | 549.43 | 18-May-05 6:33 AM | 93.89 | 0.93 | 456.27 |
| CW-2M | 202 | 549.45 | 18-May-05 6:35 AM | 93.60 | 0.42 | 455.79 |
| CW-3D | 342 | 534.14 | 18-May-05 6:40 AM | 78.84 | 1.17 | 456.50 |
| CW-3M | 224 | 534.10 | 18-May-05 6:42 AM | 78.31 | 0.56 | 455.83 |
| CW-4D | 305 | 518.55 | 18-May-05 6:11 AM | 63.11 | 0.95 | 456.14 |
| CW-4M | 171 | 518.55 | 18-May-05 6:12 AM | 62.69 | 0.40 | 455.77 |
| MW-1 | 217 | 661.76 | 18-May-05 6:27 AM 14-Jun-06 8:35 AM | 206.81 205.16 | 0.04 0.04 | 454.91 456.56 |
| MW-3 | 205 | 650.51 | 18-May-05 6:02 AM 08-Mar-06 8:19 AM | 195.92 193.80 | 0.09 0.09 | 454.56 456.67 |
| MW-4 | 176 | 625.73 | 18-May-05 6:14 AM 08-Mar-06 8:29 AM 14-Jun-06 8:51 AM | 170.41 170.05 168.76 | 0.07 0.07 0.07 | 455.29 455.66 456.94 |
| MW-5 | 186 | 635.69 | 18-May-05 6:07 AM 08-Mar-06 8:23 AM 14-Jun-06 8:41 AM | 180.10 179.68 178.41 | 0.09 0.09 0.09 | 455.56 455.99 457.25 |
| MW-6 | 195 | 642.84 | 18-May-05 6:23 AM 08-Mar-06 8:36 AM 14-Jun-06 8:56 AM | 187.22 186.74 185.54 | 0.04 0.04 0.04 | 455.58 456.07 457.26 |
| MW-7 | 185 | 631.91 | 18-May-05 6:20 AM 08-Mar-06 8:33 AM 14-Jun-06 8:47 AM | 176.86 176.48 175.20 | 0.07 0.07 0.07 | 455.02 455.40 456.67 |
| MW-8 | 180 | 627.54 | 18-May-05 6:07 AM 08-Mar-06 8:26 AM 14-Jun-06 8:46 AM | 171.75 171.37 170.10 | 0.07 0.07 0.07 | 455.75 456.14 457.40 |
| MWP-8 | 213 | 677.48 | 18-May-05 6:17 AM | 189.51 | 0.00 | --- |
| MWP-10 | 237 | 675.81 | 18-May-05 6:33 AM | 208.64 | 0.00 | --- |
| MWP-12 | 143 | 663.49 | 18-May-05 6:43 AM | 107.85 | 0.00 | 555.52 |
| OW-1D | 281 | 550.36 | 18-May-05 6:30 AM | 94.83 | 0.65 | 455.58 |
| OW-1M | 189 | 550.36 | 18-May-05 6:32 AM | 94.61 | 0.34 | 455.60 |
| OW-1S | 114 | 550.15 | 18-May-05 6:31 AM 08-Mar-06 8:17 AM 14-Jun-06 6:30 AM | 94.37 94.28 92.85 | 0.17 0.14 0.16 | 455.75 455.83 457.23 |
| OW-2D | 342 | 549.01 | 18-May-05 6:27 AM | 93.82 | 0.96 | 455.80 |
| OW-2M | 211 | 548.52 | 18-May-05 6:24 AM | 92.88 | 0.50 | 455.59 |
| OW-2S | 121 | 548.75 | 18-May-05 6:26 AM | 92.95 | 0.14 | 455.73 |

TABLE 8

Manual Water Level Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Well Depth (feet BMP) | Measuring Point Elevation (feet AMSL)¹ | Monitoring Date & Time | | Water Level Measurement (feet BMP) | Salinity (percent) | Groundwater/Water Elevation Adjusted for Salinity (feet AMSL) |
|-------------------------------|----------------------------------|------------------------------------------------------------------|---------------------------------------|----------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|
| Other Wells not in GMP | | | | | | | |
| OW-2S | 121 | 548.75 | 08-Mar-06 | 8:15 AM | 92.96 | 0.12 | 455.71 |
| | | | 14-Jun-06 | 6:31 AM | 91.55 | 0.13 | 457.11 |
| OW-5D | 352 | 552.35 | 18-May-05 | 6:20 AM | 96.93 | 0.66 | 455.49 |
| OW-5M | 254 | 551.75 | 18-May-05 | 6:19 AM | 96.07 | 0.46 | 455.58 |
| OW-5S | 113 | 551.75 | 18-May-05 | 6:18 AM | 95.95 | 0.13 | 455.74 |
| | | | 08-Mar-06 | 8:20 AM | 95.78 | 0.11 | 455.91 |
| | | | 14-Jun-06 | 6:33 AM | 94.49 | 0.13 | 457.20 |
| Surface Water Stations | | | | | | | |
| I-3 | --- | 460.30 | 18-Aug-05 | 7:09 AM | 4.55 | 0.00 | 455.75 |
| | | | 05-Oct-05 | 7:53 AM | 5.37 | 0.00 | 454.93 |
| | | | 11-Jan-06 | 12:10 PM | 6.85 | 0.00 | 453.45 |
| | | | 06-Mar-06 | 9:15 AM | 5.21 | 0.00 | 455.09 |
| | | | 01-May-06 | 8:19 AM | 4.07 T | 0.00 | 456.23 T |
| RRB | --- | 476.63 | 14-Jun-05 | 11:15 AM | 20.99 | 0.00 | 455.64 |
| | | | 18-Aug-05 | 7:48 AM | 20.66 | 0.00 | 455.97 |
| | | | 05-Oct-05 | 9:59 AM | 22.14 | 0.00 | 454.49 |
| | | | 06-Mar-06 | 1:40 PM | 21.90 | 0.00 | 454.73 |
| | | | 03-May-06 | 6:40 AM | 19.60 | 0.00 | 457.03 |

NOTES:

BGS below ground surface

AMSL above mean sea level

BMP below well measure point

--- data not collected or available.

T Results from transducers presented to fill water level data gaps

¹ Measuring Point Elevations were re-surveyed in February 2004.

Well depths rounded off to whole foot.

Salinity used to adjust water level to freshwater equivalent. Salinity values have been averaged in accordance with the Performance Monitoring Program.

I-3 water elevation data not available from 9/1/05 to 10/4/05 due to transducer damage from river.

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-9 | 16-Jun-05 | 2,760 | 36.29 | 7.48 | 78 | 4.93 |
| | 03-Oct-05 | 2,550 | 30.00 | 7.49 | 142 | 5.85 |
| | 07-Mar-06 | 3,180 | 28.01 | 6.96 | 227 | 6.63 |
| MW-10 | 16-Jun-05 | 3,370 | 31.69 | 7.57 | 59 | 3.71 |
| | 03-Oct-05 | 1,610 | 29.10 | 7.73 | 136 | 5.23 |
| | 12-Dec-05 | 2,470 | 28.20 | 7.46 | 165 | 5.94 |
| | 06-Mar-06 | 2,720 | 27.03 | 7.18 | 227 | 4.90 |
| | 04-May-06 | 4,500 | 29.01 | 7.48 | 146 | 4.98 |
| MW-11 | 16-Jun-05 | 2,230 | 32.54 | 7.46 | 65 | 5.60 |
| | 03-Oct-05 | 2,190 | 29.70 | 7.42 | 142 | 5.91 |
| | 12-Dec-05 | 2,460 | 27.80 | 7.16 | 181 | 8.10 |
| | 06-Mar-06 | 2,600 | 28.66 | 7.26 | 235 | 6.98 |
| | 09-May-06 | 3,530 | 32.20 | 7.35 | 116 | 7.69 |
| MW-12 | 13-Jun-05 | 4,060 | 29.70 | 8.39 | 60 | 6.97 |
| | 16-Sep-05 | 3,290 | 29.00 | 8.49 | --- | 6.58 |
| | 04-Oct-05 | 3,040 | 28.20 | 8.63 | 55 | 6.13 |
| | 13-Dec-05 | 3,260 | 27.74 | 9.49 | 97 | 6.99 |
| | 18-Apr-06 | 3,460 | 28.60 | --- | 91 | 7.28 |
| | 01-May-06 | 3,840 | 28.10 | 8.05 | -38 | --- |
| MW-13 | 14-Jun-05 | 1,820 | 31.28 | 7.42 | 65 | 8.47 |
| | 04-Oct-05 | 1,910 | 28.44 | 7.74 | 16 | 6.41 |
| | 13-Dec-05 | 2,000 | 28.05 | 8.43 | 76 | 6.73 |
| | 08-Mar-06 | --- | 28.67 | 7.45 | 163 | 6.90 |
| | 02-May-06 | 1,990 | 28.70 | 7.18 | 80 | 4.17 |
| MW-14 | 15-Jun-05 | 1,460 | 33.56 | 7.30 | 177 | --- |
| | 06-Oct-05 | 1,660 | 28.53 | 7.82 | 26 | 7.12 |
| | 15-Dec-05 | 1,640 | 27.60 | 7.74 | 106 | 7.54 |
| | 09-Mar-06 | 1,990 | 28.63 | 7.43 | 183 | 7.58 |
| | 02-May-06 | 1,610 | 29.20 | 7.36 | 49 | 3.92 |
| MW-15 | 17-Jun-05 | 2,220 | 30.90 | 7.79 | -30 | 7.73 |
| | 06-Oct-05 | 1,670 | 29.54 | 7.26 | -19 | 8.11 |
| | 07-Mar-06 | 2,590 | 29.84 | 7.53 | 81 | 7.73 |
| MW-16 | 06-Oct-05 | 1,210 | 29.29 | 7.81 | -74 | 6.79 |
| | 07-Mar-06 | 1,360 | 29.26 | 7.80 | 62 | 7.44 |
| MW-17 | 05-Oct-05 | 1,590 | 30.70 | 7.63 | 72 | 6.51 |
| | 09-Mar-06 | 2,440 | 30.94 | 7.44 | 133 | 6.52 |
| MW-18 | 15-Jun-05 | 1,540 | 30.18 | 7.24 | 165 | --- |
| | 06-Oct-05 | 1,420 | 28.56 | 7.68 | 62 | 8.08 |
| | 09-Mar-06 | 1,860 | 28.92 | 7.36 | 152 | 8.08 |
| MW-19 | 14-Jun-05 | 2,170 | 29.30 | 7.61 | 65 | 6.80 |
| | 04-Oct-05 | 2,150 | 28.50 | 7.75 | 30 | 6.87 |
| | 12-Dec-05 | 2,140 | 26.90 | 7.51 | 153 | 7.68 |
| | 09-Mar-06 | 3,850 | 28.42 | 7.33 | 227 | 7.43 |
| | 02-May-06 | 2,450 | 29.00 | 7.33 | 38 | 3.30 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-20-70 | 15-Jun-05 | 3,160 | 29.69 | 7.72 | 152 | 6.85 |
| | 11-Oct-05 | 3,330 | 28.66 | 7.53 | 151 | 6.90 |
| | 15-Dec-05 | 3,210 | 27.60 | 7.59 | 149 | 7.97 |
| | 10-Mar-06 | 5,830 | 28.01 | 7.49 | 228 | 7.32 |
| | 05-May-06 | 3,050 | 29.32 | 7.74 | 97 | 7.21 |
| MW-20-100 | 15-Jun-05 | 3,870 | 29.50 | 7.77 | 136 | 3.44 |
| | 11-Oct-05 | 4,140 | 28.96 | 7.45 | 157 | 1.54 |
| | 15-Dec-05 | 3,980 | 28.00 | 7.62 | 140 | 3.03 |
| | 10-Mar-06 | 4,360 | 28.46 | 7.33 | 198 | 3.77 |
| | 05-May-06 | 3,760 | 29.80 | 7.72 | 98 | 5.20 |
| MW-20-130 | 15-Jun-05 | 10,600 | 29.65 | 7.73 | 145 | 4.66 |
| | 07-Oct-05 | 12,300 | 30.31 | 7.65 | 53 | 2.46 |
| | 16-Dec-05 | 11,700 | 27.35 | 7.99 | 123 | 3.32 |
| | 10-Mar-06 | 14,500 | 28.67 | 7.48 | 213 | 3.49 |
| | 05-May-06 | 12,400 | 30.76 | 7.74 | 97 | 2.21 |
| MW-21 | 14-Jun-05 | 12,000 | 30.30 | 7.30 | 81 | 6.80 |
| | 05-Oct-05 | 11,400 | 28.26 | 7.24 | -149 | 2.42 |
| | 14-Dec-05 | 12,100 | 26.22 | 7.94 | -90 | 5.35 |
| | 09-Mar-06 | 15,100 | 26.71 | 6.81 | --- | 4.20 |
| | 02-May-06 | 11,500 | 30.20 | 6.94 | -77 | --- |
| MW-22 | 17-Jun-05 | 33,700 | 23.99 | 6.93 | -57 | 3.23 |
| | 04-Oct-05 | 35,500 | 32.96 | 6.66 | -86 | 2.51 |
| | 16-Dec-05 | 31,200 | 24.64 | 6.65 | -90 | 2.31 |
| | 15-Mar-06 | 34,800 | 19.89 | 6.12 | --- | 8.54 |
| | 03-May-06 | 34,200 | 23.52 | 7.05 | -88 | 4.14 |
| MW-23 | 14-Jun-05 | 19,500 | 28.70 | 7.43 | 23 | 7.80 |
| | 04-Oct-05 | 19,400 | 27.90 | 7.25 | -19 | 2.19 |
| | 14-Dec-05 | 15,800 | 26.35 | 8.13 | 94 | 8.54 |
| | 08-Mar-06 | 21,100 | 27.87 | 7.15 | 199 | 5.47 |
| | 02-May-06 | 16,200 | 29.60 | 6.85 | -13 | --- |
| MW-24A | 16-Jun-05 | 3,470 | 31.73 | 7.70 | 52 | 2.70 |
| | 03-Oct-05 | 3,040 | 29.20 | 7.70 | 157 | 3.26 |
| | 06-Mar-06 | 3,140 | 28.11 | 7.47 | 239 | 5.17 |
| MW-24B | 16-Jun-05 | 13,100 | 35.51 | 7.93 | -4 | 2.20 |
| | 03-Oct-05 | 14,000 | 30.20 | 7.93 | 153 | 3.19 |
| | 07-Mar-06 | 17,200 | 30.96 | 7.73 | 199 | 2.59 |
| MW-24BR | 15-Dec-05 | 18,500 | 28.20 | 7.71 | -291 | 2.25 |
| | 16-Mar-06 | 16,400 | 24.96 | 7.05 | -230 | 3.75 |
| | 10-May-06 | 20,700 | 33.73 | 7.64 | -325 | 2.40 |
| | 05-Jun-06 | 12,700 | 41.92 | 6.81 | -287 | --- |
| MW-25 | 14-Jun-05 | 1,620 | 30.30 | 7.56 | 107 | 6.90 |
| | 04-Oct-05 | 1,510 | 29.23 | 7.65 | 55 | 6.72 |
| | 14-Dec-05 | 1,220 | 28.85 | 8.40 | 156 | 7.97 |
| | 09-Mar-06 | 2,750 | 29.19 | 7.28 | 210 | 7.40 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-25 | 03-May-06 | 2,110 | 30.70 | 7.06 | 98 | 7.72 |
| MW-26 | 13-Jun-05 | 3,820 | 32.12 | 7.49 | 119 | 9.16 |
| | 04-Oct-05 | 3,380 | 29.90 | 7.54 | 45 | 8.79 |
| | 12-Dec-05 | 3,440 | 29.00 | 7.33 | 161 | 9.93 |
| | 08-Mar-06 | 3,840 | 29.14 | 7.98 | 170 | 9.16 |
| | 01-May-06 | 3,290 | 30.30 | 7.14 | --- | --- |
| MW-27-20 | 18-Jul-05 | 1,040 | 34.94 | 7.68 | -190 | 1.08 |
| | 05-Oct-05 | 1,170 | 22.21 | 7.10 | -158 | 1.82 |
| | 14-Dec-05 | 1,120 | 18.69 | 7.58 | -171 | 2.19 |
| | 06-Mar-06 | 910 | 18.16 | 8.01 | -153 | 0.38 |
| | 01-May-06 | 1,510 | 50.00 | 7.00 | --- | 2.51 |
| | 14-Jun-06 | 2,730 | 23.79 | 7.53 | -178 | 4.57 |
| MW-27-60 | 18-Jul-05 | 13,500 | 34.25 | 7.19 | -125 | 2.62 |
| | 05-Oct-05 | 13,200 | 21.69 | 6.48 | -97 | 3.16 |
| | 15-Dec-05 | 10,000 | 20.71 | 6.52 | -134 | 2.89 |
| | 07-Mar-06 | 13,700 | 21.55 | 7.76 | -118 | 2.46 |
| | 01-May-06 | 12,100 | 40.96 | 6.91 | -140 | 1.02 |
| MW-27-85 | 02-Jun-05 | 19,500 | 23.00 | 7.08 | -100 | 0.95 |
| | 19-Jul-05 | 19,100 | 27.90 | 6.90 | -106 | 0.88 |
| | 16-Aug-05 | 13,700 | 23.60 | 7.14 | -156 | 1.33 |
| | 08-Sep-05 | 20,500 | 30.50 | 7.14 | -158 | 1.70 |
| | 05-Oct-05 | 18,100 | 22.49 | 6.51 | -82 | 2.11 |
| | 03-Nov-05 | 23,100 | 22.04 | 7.17 | -150 | 1.13 |
| | 15-Dec-05 | 14,300 | 21.18 | 6.34 | -124 | 2.76 |
| | 12-Jan-06 | 22,600 | 21.36 | 7.57 | -91 | 2.78 |
| | 08-Feb-06 | 21,100 | 22.00 | 7.09 | -82 | 2.58 |
| | 06-Mar-06 | 15,800 | 21.67 | 7.62 | -92 | 0.16 |
| | 03-Apr-06 | 18,200 | 23.12 | 6.88 | -102 | 2.50 |
| | 01-May-06 | 18,300 | 39.90 | 6.70 | -104 | 0.94 |
| | 14-Jun-06 | 22,400 | 23.89 | 6.89 | -98 | 3.32 |
| MW-28-25 | 15-Jun-05 | 1,460 | 23.70 | 7.71 | -54 | 2.70 |
| | 13-Jul-05 | 1,690 | 24.60 | 7.51 | 19 | 4.92 |
| | 06-Oct-05 | 1,300 | 25.22 | 6.98 | -35 | 2.01 |
| | 16-Dec-05 | 1,390 | 23.10 | 7.16 | -69 | 2.52 |
| | 09-Mar-06 | 1,140 | 21.53 | 7.67 | -54 | 3.52 |
| | 05-May-06 | 1,260 | 23.90 | 6.75 | -126 | 0.75 |
| MW-28-90 | 02-Jun-05 | --- | 23.70 | 7.62 | -141 | 1.01 |
| | 15-Jun-05 | 9,410 | 23.50 | 8.19 | -205 | 2.50 |
| | 01-Jul-05 | 12,700 | 28.40 | 7.67 | -174 | 1.76 |
| | 13-Jul-05 | 8,850 | 26.02 | 7.76 | -142 | 4.31 |
| | 18-Aug-05 | 9,740 | 22.10 | 7.60 | -178 | 1.15 |
| | 09-Sep-05 | 8,190 | 22.70 | 7.62 | -190 | 1.71 |
| | 06-Oct-05 | 9,070 | 21.86 | 6.94 | -138 | 2.02 |
| | 02-Nov-05 | 9,720 | 22.62 | 7.65 | -183 | 1.39 |
| | 16-Dec-05 | 8,430 | 21.80 | 7.42 | -176 | 2.47 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-28-90 | 10-Jan-06 | 11,000 | 21.90 | 8.01 | -140 | 3.32 |
| | 09-Feb-06 | 8,830 | 22.07 | 7.55 | -156 | 2.76 |
| | 06-Mar-06 | 6,830 | 21.76 | 8.22 | -151 | 0.26 |
| | 06-Apr-06 | 8,160 | 23.01 | 7.77 | --- | 2.09 |
| | 05-May-06 | 8,690 | 25.14 | 7.05 | -150 | 0.78 |
| | 15-Jun-06 | 7,980 | 23.15 | 7.34 | -153 | 3.93 |
| MW-29 | 15-Jun-05 | 6,580 | 29.80 | 7.10 | -108 | 3.10 |
| | 04-Oct-05 | 5,240 | 26.71 | 7.31 | -110 | 3.20 |
| | 12-Dec-05 | 4,280 | 24.07 | 7.89 | -40 | 5.49 |
| | 13-Apr-06 | 4,220 | 24.93 | 7.77 | -142 | 4.15 |
| | 05-May-06 | 4,430 | 30.90 | 6.75 | -128 | 1.26 |
| MW-30-30 | 07-Oct-05 | 45,000 | 27.60 | 6.94 | -146 | 2.54 |
| | 15-Dec-05 | 38,900 | 26.41 | 6.29 | -100 | 2.95 |
| | 13-Mar-06 | 55,600 | 25.61 | 7.39 | -99 | 1.15 |
| | 02-May-06 | 54,600 | 29.60 | 6.57 | -104 | 2.38 |
| MW-30-50 | 07-Oct-05 | 12,300 | 26.80 | 7.22 | -236 | 2.81 |
| | 16-Dec-05 | 8,840 | 25.10 | 7.16 | -263 | 2.49 |
| | 09-Mar-06 | 8,800 | 25.55 | 7.52 | -81 | 2.42 |
| | 02-May-06 | 14,300 | 27.80 | 6.84 | -102 | 2.82 |
| MW-31-60 | 13-Jun-05 | 3,060 | 29.52 | 7.70 | 122 | 8.00 |
| | 06-Oct-05 | 2,990 | 28.73 | 7.80 | 54 | 6.36 |
| | 13-Dec-05 | 2,870 | 27.95 | 8.46 | 119 | 6.75 |
| | 15-Mar-06 | 2,750 | 28.69 | 7.68 | 217 | 7.01 |
| | 01-May-06 | 2,740 | 29.40 | 7.40 | --- | --- |
| MW-31-135 | 13-Jun-05 | 14,600 | 30.90 | 7.85 | 42 | 4.46 |
| | 06-Oct-05 | 10,100 | 29.62 | 8.00 | -4 | 2.02 |
| | 14-Dec-05 | 7,980 | 27.90 | 8.77 | 124 | 4.13 |
| | 15-Mar-06 | 13,400 | 28.84 | 7.75 | 33 | 3.05 |
| | 09-May-06 | 15,900 | 31.92 | 7.58 | 82 | 2.75 |
| MW-32-20 | 17-Jun-05 | 15,500 | 25.70 | 7.13 | -188 | 2.40 |
| | 04-Oct-05 | 36,000 | 29.51 | 6.69 | -115 | 2.35 |
| | 16-Dec-05 | 33,900 | 24.50 | 7.19 | -107 | 2.65 |
| | 10-Mar-06 | --- | 24.08 | 7.36 | -125 | 0.44 |
| | 04-May-06 | 25,500 | 29.70 | 6.11 | -120 | 0.40 |
| MW-32-35 | 17-Jun-05 | 12,800 | 27.70 | 7.57 | -202 | 2.30 |
| | 04-Oct-05 | 11,600 | 25.55 | 7.25 | -159 | 2.06 |
| | 16-Dec-05 | 11,200 | 24.68 | 7.71 | -141 | 2.43 |
| | 10-Mar-06 | 9,570 | 25.23 | 7.90 | -161 | 0.09 |
| | 04-May-06 | 16,500 | 28.70 | 6.57 | -171 | 0.26 |
| MW-33-40 | 17-Jun-05 | 5,460 | 27.80 | 8.61 | -94 | 5.40 |
| | 12-Dec-05 | --- | 22.02 | 8.23 | 45 | 4.85 |
| | 04-May-06 | 4,580 | 33.10 | 7.15 | 12 | 5.25 |
| MW-33-90 | 01-Jun-05 | 12,000 | 29.50 | 7.61 | -53 | 0.41 |
| | 16-Jun-05 | 9,500 | 29.90 | 8.22 | -209 | 2.10 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-33-90 | 20-Jul-05 | 8,440 | 29.80 | 7.49 | -23 | 0.61 |
| | 06-Oct-05 | 9,210 | 28.40 | 7.18 | -33 | 1.86 |
| | 13-Dec-05 | 9,310 | 26.60 | 7.66 | -43 | 2.29 |
| | 08-Mar-06 | 10,200 | 26.82 | 8.17 | -42 | 0.26 |
| | 03-May-06 | 10,400 | 32.20 | 6.75 | -44 | 0.40 |
| MW-33-150 | 17-Jun-05 | 18,300 | 29.40 | 7.80 | -172 | 3.00 |
| | 20-Jul-05 | 16,100 | 29.09 | 7.45 | -59 | 0.70 |
| | 17-Aug-05 | 17,000 | 28.80 | 7.53 | -72 | 1.32 |
| | 09-Sep-05 | 17,000 | 28.60 | 7.60 | -108 | 1.68 |
| | 06-Oct-05 | 15,800 | 28.83 | 7.19 | -41 | 2.05 |
| | 02-Nov-05 | 20,800 | 27.78 | 7.55 | -81 | 1.41 |
| | 12-Dec-05 | 19,200 | 27.24 | 8.15 | 21 | 3.88 |
| | 10-Jan-06 | 21,800 | 26.81 | 8.01 | 27 | 3.70 |
| | 07-Feb-06 | 20,400 | 27.30 | 7.59 | -61 | 2.69 |
| | 08-Mar-06 | 20,400 | 26.59 | 8.06 | -55 | 0.26 |
| | 06-Apr-06 | 18,300 | 27.88 | 7.78 | 39 | 2.13 |
| | 03-May-06 | 17,100 | 34.40 | 6.75 | -23 | 1.02 |
| | 16-Jun-06 | 21,300 | 27.84 | 6.98 | 38 | 2.82 |
| MW-33-210 | 16-Jun-05 | 22,400 | 30.60 | 7.87 | -216 | 2.00 |
| | 20-Jul-05 | 19,200 | 29.14 | 7.15 | -40 | 0.76 |
| | 17-Aug-05 | 19,900 | 28.70 | 7.29 | -88 | 1.24 |
| | 06-Sep-05 | 22,600 | 29.10 | 7.23 | -109 | 1.68 |
| | 06-Oct-05 | 18,800 | 29.14 | 6.96 | -30 | 1.78 |
| | 02-Nov-05 | 24,900 | 28.15 | 7.40 | -73 | 1.39 |
| | 12-Dec-05 | 21,900 | 27.15 | 7.90 | 40 | 3.60 |
| | 10-Jan-06 | 24,200 | 27.49 | 7.77 | 13 | 3.17 |
| | 07-Feb-06 | 22,800 | 27.50 | 7.40 | -14 | 2.70 |
| | 06-Mar-06 | 16,600 | 27.64 | 7.98 | -37 | 0.21 |
| | 13-Apr-06 | 18,100 | 31.85 | 8.15 | 21 | 6.81 |
| | 05-May-06 | 20,100 | 28.30 | 6.50 | 34 | 0.39 |
| | 16-Jun-06 | 23,600 | 27.86 | 7.03 | -27 | 2.86 |
| MW-34-55 | 15-Jul-05 | 9,180 | 26.03 | 7.46 | -77 | 3.60 |
| | 05-Oct-05 | 8,610 | 21.94 | 6.83 | -93 | 1.69 |
| | 14-Dec-05 | 6,610 | 20.28 | 7.30 | -124 | 2.08 |
| | 08-Mar-06 | 8,460 | 20.41 | 7.94 | -106 | --- |
| | 03-May-06 | 7,580 | 27.40 | 6.64 | -117 | 0.33 |
| MW-34-80 | 01-Jun-05 | 17,800 | 27.30 | 6.98 | -117 | 0.37 |
| | 30-Jun-05 | 18,300 | 33.70 | 7.28 | -61 | 1.57 |
| | 14-Jul-05 | 17,900 | 33.40 | 7.11 | -104 | 1.19 |
| | 15-Aug-05 | 14,600 | 26.90 | 7.12 | -137 | 1.49 |
| | 07-Sep-05 | 17,100 | 26.90 | 7.12 | -148 | 1.55 |
| | 05-Oct-05 | 13,800 | 22.34 | 6.67 | -58 | 2.21 |
| | 03-Nov-05 | 16,300 | 22.72 | 7.12 | -117 | 1.11 |
| | 14-Dec-05 | 10,400 | 22.47 | 7.02 | -88 | 2.28 |
| | 11-Jan-06 | 18,100 | 22.16 | 7.50 | -38 | 3.08 |
| | 08-Feb-06 | 16,400 | 27.25 | 7.17 | -22 | 2.63 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-34-80 | 09-Mar-06 | 15,100 | 21.51 | 7.38 | -12 | 2.20 |
| | 03-Apr-06 | 13,500 | 23.30 | 7.03 | -38 | 2.40 |
| | 03-May-06 | 13,800 | 27.30 | 6.37 | -68 | 0.15 |
| | 14-Jun-06 | 15,600 | 23.00 | 6.96 | -99 | 2.65 |
| MW-34-100 | 01-Jun-05 | 20,000 | 25.60 | 7.45 | -59 | 0.42 |
| | 08-Jun-05 | 20,300 | 23.70 | 7.93 | -15 | 2.30 |
| | 21-Jun-05 | 20,500 | 27.90 | 7.33 | -26 | 1.93 |
| | 07-Jul-05 | 18,800 | 32.65 | 7.50 | -88 | 3.76 |
| | 14-Jul-05 | 20,200 | 29.50 | 7.38 | -26 | 1.93 |
| | 27-Jul-05 | 17,800 | 27.41 | 7.38 | -2 | 1.12 |
| | 10-Aug-05 | 19,700 | 24.70 | 7.40 | -83 | 1.40 |
| | 15-Aug-05 | 16,600 | 25.70 | 7.40 | -17 | 1.24 |
| | 31-Aug-05 | 16,900 | 28.50 | 7.39 | -42 | 1.89 |
| | 07-Sep-05 | 19,500 | 27.80 | 7.37 | -60 | 1.53 |
| | 20-Sep-05 | 14,000 | 30.20 | 7.39 | -28 | 1.99 |
| | 05-Oct-05 | 15,900 | 24.02 | 6.89 | -13 | 1.91 |
| | 03-Nov-05 | 19,900 | 23.16 | 7.45 | -49 | 1.12 |
| | 16-Nov-05 | 16,100 | 23.30 | 7.31 | -2 | 4.63 |
| | 30-Nov-05 | 19,900 | 22.60 | 7.39 | -55 | 2.59 |
| | 14-Dec-05 | 12,400 | 21.75 | 7.38 | -26 | 2.33 |
| | 28-Dec-05 | 19,300 | 22.40 | 7.22 | -28 | 2.38 |
| | 12-Jan-06 | 21,000 | 22.00 | 7.77 | 104 | 3.17 |
| | 23-Jan-06 | 23,300 | 22.30 | 7.38 | 136 | 2.57 |
| | 08-Feb-06 | 20,100 | 22.83 | 7.54 | 65 | 2.50 |
| | 22-Feb-06 | 21,900 | 22.88 | 7.61 | 225 | 3.01 |
| | 08-Mar-06 | 18,600 | 22.62 | 8.13 | -8 | --- |
| | 23-Mar-06 | 18,400 | 22.54 | 7.50 | 113 | 2.21 |
| | 03-Apr-06 | 16,800 | 24.50 | 7.39 | 42 | 2.81 |
| | 03-May-06 | 18,200 | 32.90 | 6.71 | -10 | 0.33 |
| | 17-May-06 | 23,800 | 27.80 | 7.41 | 44 | 3.11 |
| | 31-May-06 | 16,100 | 29.17 | 6.53 | 104 | 3.13 |
| | 14-Jun-06 | 20,800 | 24.24 | 7.42 | -2 | 3.21 |
| | 28-Jun-06 | 21,800 | 25.77 | 7.09 | 132 | 4.98 |
| MW-35-60 | 13-Jun-05 | --- | 29.60 | 7.27 | -8 | 2.47 |
| | 07-Oct-05 | 7,560 | 27.98 | 7.49 | -1 | 1.90 |
| | 14-Dec-05 | 5,800 | 25.95 | 8.34 | 95 | 3.97 |
| | 14-Mar-06 | --- | 26.87 | 7.23 | 42 | 2.92 |
| | 01-May-06 | 6,770 | 29.80 | 7.15 | -37 | --- |
| MW-35-135 | 13-Jun-05 | 15,000 | 28.50 | 7.60 | -138 | 1.75 |
| | 07-Oct-05 | 10,800 | 28.17 | 7.75 | -55 | 1.29 |
| | 14-Dec-05 | 8,480 | 26.27 | 8.76 | 38 | 3.17 |
| | 10-Mar-06 | 12,400 | 25.96 | 7.98 | 103 | 2.44 |
| | 02-May-06 | 13,000 | 28.00 | 7.39 | 0 | 2.70 |
| MW-36-20 | 03-Oct-05 | 13,000 | 26.68 | 7.42 | -165 | 3.02 |
| | 15-Dec-05 | --- | 24.89 | 7.39 | -112 | 2.36 |
| | 07-Mar-06 | 18,900 | 24.38 | 7.82 | -148 | 2.50 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature (°C) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-------------------------|---------------|--------------------------------------------------|------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-36-20 | 01-May-06 | 20,100 | 25.42 | 7.78 | -180 | 5.28 |
| MW-36-40 | 03-Oct-05 | 10,800 | 25.72 | 7.28 | -162 | 3.79 |
| | 15-Dec-05 | 15,400 | 24.70 | 7.87 | -190 | 2.68 |
| | 07-Mar-06 | 17,000 | 24.57 | 7.71 | -166 | 3.30 |
| | 01-May-06 | 13,500 | 26.08 | 7.83 | -179 | 5.10 |
| MW-36-50 | 03-Oct-05 | 7,500 | 26.23 | 7.45 | -133 | 2.87 |
| | 15-Dec-05 | 13,700 | 24.70 | 7.61 | -136 | 2.80 |
| | 07-Mar-06 | 8,400 | 24.34 | 7.66 | -110 | 2.72 |
| | 01-May-06 | 6,810 | 25.96 | 7.90 | -162 | 3.60 |
| MW-36-70 | 03-Oct-05 | 7,680 | 26.12 | 7.37 | -112 | 2.54 |
| | 15-Dec-05 | 9,310 | 24.43 | 7.73 | -108 | 2.27 |
| | 10-Feb-06 | 12,600 | 25.21 | 7.39 | -91 | 2.66 |
| | 07-Mar-06 | 9,720 | 24.15 | 7.64 | -67 | 2.51 |
| | 06-Apr-06 | 7,740 | 24.51 | 7.57 | --- | 1.79 |
| | 01-May-06 | 8,180 | 25.24 | 7.79 | -130 | 4.64 |
| | 13-Jun-06 | 7,840 | 33.60 | 5.95 | --- | --- |
| MW-36-90 | 25-Jul-05 | 18,400 | 25.90 | 7.26 | 129 | 1.13 |
| | 17-Aug-05 | 16,600 | 25.60 | 7.15 | 152 | 1.27 |
| | 08-Sep-05 | 17,500 | 25.60 | 7.22 | 49 | 1.63 |
| | 03-Oct-05 | 12,700 | 25.66 | 7.15 | 174 | 3.44 |
| | 02-Nov-05 | 19,300 | 25.25 | 7.14 | 69 | 1.39 |
| | 15-Dec-05 | 18,000 | 24.62 | 7.54 | 34 | 2.48 |
| | 12-Jan-06 | 19,500 | 24.75 | 7.48 | 13 | 2.78 |
| | 10-Feb-06 | 16,100 | 25.15 | 7.35 | 37 | 3.43 |
| | 07-Mar-06 | 14,700 | 24.51 | 7.60 | 42 | 3.09 |
| | 04-Apr-06 | 12,700 | 25.58 | 7.12 | 5 | 2.42 |
| | 01-May-06 | 11,400 | 25.83 | 7.71 | 24 | 4.39 |
| | 13-Jun-06 | 10,300 | 32.50 | 5.84 | --- | --- |
| MW-36-100 | 02-Jun-05 | 18,800 | 27.20 | 7.38 | 23 | 2.48 |
| | 19-Jul-05 | 17,700 | 33.96 | 7.11 | 17 | 1.02 |
| | 15-Aug-05 | 16,800 | 30.20 | 7.17 | -15 | 1.62 |
| | 08-Sep-05 | 18,300 | 27.50 | 7.20 | 21 | 1.70 |
| | 05-Oct-05 | 16,500 | 25.70 | 6.66 | 4 | 2.78 |
| | 03-Nov-05 | 21,100 | 25.81 | 7.20 | -19 | 1.31 |
| | 13-Dec-05 | 16,500 | 25.18 | 7.22 | 5 | 2.20 |
| | 12-Jan-06 | 21,600 | 25.43 | 7.45 | 28 | 2.91 |
| | 09-Feb-06 | 19,700 | 26.32 | 7.25 | 18 | 2.56 |
| | 13-Mar-06 | 17,400 | 25.95 | 7.79 | -16 | 0.16 |
| | 05-Apr-06 | 15,300 | 24.66 | 8.31 | 24 | 0.09 |
| | 02-May-06 | 21,900 | 29.01 | 6.86 | 23 | 2.72 |
| | 15-Jun-06 | 18,200 | 26.71 | 7.13 | 7 | 3.60 |
| MW-37D | 04-Oct-05 | 15,100 | 30.46 | 8.09 | 4 | 2.76 |
| | 14-Dec-05 | 13,100 | 28.94 | 8.70 | 71 | 4.03 |
| | 13-Mar-06 | 18,600 | 29.56 | 7.68 | 118 | 3.37 |
| | 03-May-06 | --- | 31.44 | 7.11 | 96 | 3.23 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-37S | 15-Jun-05 | 3,930 | 33.65 | 7.70 | -71 | 8.07 |
| | 04-Oct-05 | 4,460 | 29.28 | 7.98 | -33 | 3.01 |
| | 14-Dec-05 | 3,860 | 27.67 | 8.78 | 69 | 4.20 |
| | 13-Mar-06 | 6,000 | 28.44 | 7.73 | 106 | 3.81 |
| | 04-May-06 | 6,080 | 29.99 | 7.61 | 116 | 3.53 |
| MW-38D | 17-Jun-05 | 22,200 | 31.90 | 8.01 | 68 | 1.66 |
| | 07-Oct-05 | 25,700 | 30.47 | 7.82 | -2 | 1.07 |
| | 10-Mar-06 | 23,800 | 28.47 | 7.48 | 112 | 2.09 |
| MW-38S | 17-Jun-05 | 4,540 | 30.20 | 7.48 | 55 | 2.87 |
| | 07-Oct-05 | 4,290 | 29.50 | 7.45 | 47 | 2.17 |
| | 10-Mar-06 | 4,750 | 28.69 | 7.19 | 158 | 3.44 |
| MW-39-40 | 16-Jun-05 | 9,600 | 27.10 | 7.59 | -202 | 2.09 |
| | 04-Oct-05 | 5,640 | 26.50 | 7.41 | -203 | 2.87 |
| | 16-Dec-05 | 5,680 | 25.94 | 7.34 | -177 | 2.07 |
| | 07-Mar-06 | 8,450 | 25.57 | 7.76 | -162 | 3.03 |
| | 02-May-06 | 8,150 | 27.41 | 6.89 | -188 | 0.13 |
| MW-39-50 | 16-Jun-05 | 15,200 | 27.30 | 7.33 | -44 | 1.98 |
| | 04-Oct-05 | 13,600 | 26.90 | 7.21 | -78 | 2.59 |
| | 16-Dec-05 | 11,300 | 25.97 | 7.07 | -57 | 2.01 |
| | 12-Jan-06 | 18,300 | 25.53 | 7.54 | -9 | 2.84 |
| | 08-Mar-06 | 16,000 | 25.31 | 7.76 | 71 | 2.31 |
| | 02-May-06 | 9,380 | 32.00 | 6.56 | -45 | 0.18 |
| MW-39-60 | 16-Jun-05 | 17,600 | 27.30 | 7.13 | 19 | 1.86 |
| | 04-Oct-05 | 14,100 | 27.00 | 7.05 | -20 | 2.15 |
| | 16-Dec-05 | 11,200 | 25.15 | 6.83 | -40 | 2.34 |
| | 08-Mar-06 | --- | 25.50 | 7.50 | 12 | 2.10 |
| | 02-May-06 | 12,000 | 32.40 | 6.43 | -39 | 0.19 |
| MW-39-70 | 16-Jun-05 | 16,000 | 26.70 | 7.15 | 22 | 1.81 |
| | 04-Oct-05 | 13,800 | 26.60 | 7.05 | 31 | 2.72 |
| | 16-Dec-05 | 10,000 | 25.97 | 7.10 | 22 | 2.19 |
| | 10-Feb-06 | 15,500 | 25.88 | 7.20 | 48 | 2.81 |
| | 08-Mar-06 | 16,300 | 25.40 | 7.56 | 201 | 2.79 |
| | 06-Apr-06 | 12,300 | 25.64 | 7.24 | 88 | 2.13 |
| | 02-May-06 | 11,200 | 28.60 | 6.32 | 31 | 0.15 |
| | 14-Jun-06 | 10,300 | 27.24 | 5.92 | 197 | 0.02 |
| MW-39-80 | 16-Jun-05 | 16,800 | 27.60 | 7.17 | 52 | 1.99 |
| | 25-Jul-05 | 17,400 | 26.70 | 7.09 | 169 | 1.23 |
| | 17-Aug-05 | 15,600 | 26.50 | 7.07 | 164 | 1.34 |
| | 06-Sep-05 | 17,700 | 26.50 | 7.00 | 149 | 1.97 |
| | 04-Oct-05 | 15,900 | 26.90 | 7.09 | 76 | 2.73 |
| | 02-Nov-05 | 17,600 | 26.11 | 7.17 | 148 | 1.44 |
| | 15-Dec-05 | 15,400 | 25.72 | 7.55 | 78 | 2.24 |
| | 12-Jan-06 | 18,200 | 25.51 | 7.43 | 58 | 2.91 |
| | 10-Feb-06 | 18,900 | 26.04 | 7.16 | 66 | 2.60 |
| | 08-Mar-06 | 20,900 | 25.40 | 7.51 | 154 | 2.23 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature (°C) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-------------------------|---------------|--------------------------------------------------|------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-39-80 | 06-Apr-06 | 15,800 | 25.57 | 7.24 | 86 | 2.00 |
| | 02-May-06 | 14,900 | 30.10 | 6.22 | 61 | 0.19 |
| | 14-Jun-06 | 15,100 | 27.08 | 5.80 | 184 | 0.00 |
| MW-39-100 | 17-Jun-05 | 19,200 | 29.30 | 7.89 | 14 | 2.80 |
| | 19-Jul-05 | 18,400 | 29.23 | 7.17 | 80 | 1.34 |
| | 17-Aug-05 | 18,600 | 26.40 | 7.15 | 170 | 1.53 |
| | 06-Sep-05 | 21,000 | 26.90 | 7.11 | 134 | 2.22 |
| | 04-Oct-05 | 15,900 | 26.84 | 7.29 | 73 | 2.32 |
| | 02-Nov-05 | 23,000 | 26.52 | 7.04 | 168 | 1.67 |
| | 13-Dec-05 | 20,100 | 26.70 | 7.06 | 139 | 3.00 |
| | 12-Jan-06 | 22,900 | 26.44 | 7.42 | 121 | 3.56 |
| | 09-Feb-06 | 21,700 | 27.38 | 7.18 | 120 | 2.88 |
| | 13-Mar-06 | 20,400 | 26.93 | 7.59 | 51 | 0.70 |
| | 05-Apr-06 | 18,300 | 26.63 | 8.17 | 73 | 0.91 |
| | 02-May-06 | --- | 28.20 | 6.64 | 67 | 3.48 |
| | 14-Jun-06 | 23,100 | 27.37 | 6.93 | 79 | 3.44 |
| MW-40D | 16-Jun-05 | 14,500 | 33.36 | 7.60 | -149 | 1.96 |
| | 05-Oct-05 | 16,100 | 31.90 | 7.51 | -60 | 2.64 |
| | 13-Dec-05 | 18,300 | 30.39 | 8.39 | -6 | 2.80 |
| | 08-Mar-06 | 18,900 | 31.56 | 7.42 | 45 | 2.13 |
| | 03-May-06 | --- | 32.36 | 6.77 | 66 | 2.53 |
| MW-40S | 16-Jun-05 | 1,900 | 32.27 | 7.72 | 143 | 5.97 |
| | 05-Oct-05 | 1,940 | 30.90 | 7.64 | 7 | 6.81 |
| | 13-Dec-05 | 2,130 | 28.79 | 8.34 | 157 | 8.02 |
| | 08-Mar-06 | 2,670 | 30.87 | 7.50 | 233 | 7.85 |
| | 03-May-06 | 3,080 | 31.39 | 6.98 | 92 | 8.47 |
| MW-41D | 14-Jun-05 | 21,000 | 31.67 | 7.75 | -212 | 3.17 |
| | 05-Oct-05 | 21,100 | 31.40 | 7.77 | -225 | 2.38 |
| | 16-Dec-05 | 20,200 | 29.05 | 8.31 | -163 | 2.15 |
| | 15-Mar-06 | 24,700 | 30.92 | 7.71 | -115 | 2.10 |
| | 05-May-06 | 20,700 | 30.67 | 7.88 | -136 | 0.33 |
| MW-41M | 14-Jun-05 | 13,800 | 30.90 | 7.62 | -106 | 2.78 |
| | 05-Oct-05 | 15,100 | 30.40 | 7.63 | -85 | 2.42 |
| | 16-Dec-05 | 14,400 | 28.50 | 8.14 | -38 | 2.08 |
| | 13-Mar-06 | 17,900 | 29.77 | 7.66 | 18 | 2.22 |
| | 05-May-06 | 15,000 | 30.59 | 7.88 | 88 | 3.47 |
| MW-41S | 14-Jun-05 | 4,460 | 30.36 | 7.79 | -45 | 4.28 |
| | 05-Oct-05 | 4,660 | 29.50 | 7.84 | -47 | 3.29 |
| | 16-Dec-05 | 4,420 | 27.86 | 8.37 | -3 | 2.86 |
| | 13-Mar-06 | 9,600 | 27.22 | 7.85 | 48 | 3.36 |
| | 05-May-06 | 4,760 | 31.33 | 8.09 | 80 | 2.31 |
| MW-42-30 | 07-Oct-05 | 16,700 | 26.20 | 7.20 | -139 | 2.92 |
| | 15-Dec-05 | 14,500 | 25.01 | 6.43 | -129 | 2.39 |
| | 07-Mar-06 | 11,400 | 25.22 | 7.93 | -154 | 0.36 |
| | 02-May-06 | 18,500 | 36.30 | 6.90 | -160 | 2.29 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-42-55 | 07-Oct-05 | 18,100 | 25.50 | 7.14 | -126 | 5.62 |
| | 15-Dec-05 | 11,100 | 24.44 | 6.50 | -143 | 2.38 |
| | 07-Mar-06 | 16,500 | 25.12 | 7.76 | -122 | 0.27 |
| | 02-May-06 | 21,400 | 37.00 | 6.76 | -138 | 2.17 |
| MW-42-65 | 07-Oct-05 | 17,300 | 25.80 | 6.81 | -121 | 2.85 |
| | 15-Dec-05 | 13,200 | 23.43 | 6.29 | -78 | 2.49 |
| | 07-Mar-06 | 20,100 | 24.66 | 7.37 | -58 | 0.39 |
| | 02-May-06 | 25,400 | 36.60 | 6.47 | -76 | 2.15 |
| MW-43-25 | 20-Jun-05 | 1,800 | 21.00 | 7.36 | -174 | 1.88 |
| | 04-Oct-05 | 1,220 | 21.42 | 7.50 | -159 | 1.95 |
| | 16-Dec-05 | 1,420 | 20.00 | 7.25 | -184 | 2.53 |
| | 10-Mar-06 | 1,350 | 20.50 | 7.88 | -153 | 0.29 |
| | 04-May-06 | 1,280 | 30.00 | 6.74 | -176 | 0.45 |
| MW-43-75 | 20-Jun-05 | 18,100 | 21.80 | 7.31 | -165 | 1.78 |
| | 26-Jul-05 | 15,600 | 29.07 | 7.36 | -160 | 1.13 |
| | 16-Aug-05 | 13,800 | 25.90 | 7.26 | -168 | 1.33 |
| | 08-Sep-05 | 16,400 | 28.20 | 7.29 | -176 | 1.68 |
| | 04-Oct-05 | 12,900 | 22.09 | 7.20 | -126 | 2.27 |
| | 03-Nov-05 | 16,700 | 21.86 | 7.36 | -168 | 1.38 |
| | 16-Dec-05 | 15,900 | 20.90 | 7.19 | -179 | 2.40 |
| | 11-Jan-06 | 18,400 | 21.04 | 7.73 | -134 | 3.16 |
| | 10-Feb-06 | 18,500 | 21.30 | 7.29 | -154 | 3.00 |
| | 10-Mar-06 | 14,400 | 21.03 | 8.05 | -149 | 0.11 |
| | 03-Apr-06 | 15,000 | 21.35 | 7.12 | -148 | 2.33 |
| | 04-May-06 | 15,400 | 26.60 | 6.83 | -167 | 0.34 |
| MW-43-90 | 20-Jun-05 | 26,200 | 22.30 | 6.86 | -140 | 1.79 |
| | 26-Jul-05 | 23,800 | 27.20 | 6.90 | -129 | 2.09 |
| | 16-Aug-05 | 19,400 | 27.30 | 6.79 | -136 | 1.33 |
| | 08-Sep-05 | 23,100 | 30.10 | 6.87 | -152 | 1.69 |
| | 04-Oct-05 | 18,400 | 22.65 | 6.70 | -78 | 4.85 |
| | 03-Nov-05 | 27,700 | 22.43 | 6.88 | -127 | 1.15 |
| | 16-Dec-05 | 22,300 | 21.30 | 6.72 | -127 | 2.51 |
| | 11-Jan-06 | 26,500 | 21.57 | 7.16 | -89 | 3.28 |
| | 10-Feb-06 | 25,900 | 21.70 | 6.89 | -112 | 2.81 |
| | 10-Mar-06 | 21,100 | 21.41 | 7.48 | -116 | 0.01 |
| | 03-Apr-06 | 21,100 | 21.56 | 6.58 | -97 | 2.32 |
| | 04-May-06 | 22,400 | 29.40 | 6.27 | -124 | 0.38 |
| MW-44-70 | 09-Mar-06 | 6,970 | 24.05 | 7.98 | -393 | 2.38 |
| | 23-Mar-06 | 7,600 | 25.55 | 7.48 | -166 | 2.41 |
| | 04-Apr-06 | 9,200 | 25.30 | 8.16 | -96 | 1.60 |
| | 04-May-06 | 10,000 | 25.50 | 7.93 | -156 | 4.49 |
| | 13-Jun-06 | 12,200 | 25.21 | 7.09 | -131 | 4.33 |
| | 15-Jun-06 | 14,900 | 25.66 | 7.27 | -118 | 5.38 |
| MW-44-115 | 14-Mar-06 | 16,500 | 25.36 | 7.54 | -11 | 1.49 |
| | 22-Mar-06 | --- | 25.88 | 8.52 | -74 | 2.98 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-44-115 | 04-Apr-06 | 15,800 | 26.68 | 8.62 | 37 | 1.76 |
| | 20-Apr-06 | 11,400 | 26.70 | 6.87 | -38 | 0.45 |
| | 26-Apr-06 | 15,800 | 25.76 | 7.72 | -27 | 2.52 |
| | 04-May-06 | 17,300 | 26.40 | 8.32 | -21 | 4.89 |
| | 10-May-06 | 22,700 | 26.99 | 7.56 | 7 | 2.23 |
| | 17-May-06 | 19,600 | 26.66 | 7.74 | -10 | 1.85 |
| | 31-May-06 | 13,100 | 34.75 | 6.85 | -11 | 0.23 |
| | 13-Jun-06 | 17,700 | 25.87 | 7.42 | -26 | 3.25 |
| | 28-Jun-06 | 16,800 | 32.60 | 7.50 | -37 | 4.00 |
| MW-44-125 | 09-Mar-06 | 13,500 | 24.66 | 8.68 | -419 | 2.58 |
| | 22-Mar-06 | 15,000 | 26.03 | 9.11 | -280 | 1.53 |
| | 04-Apr-06 | 15,600 | 28.90 | 9.16 | 10 | 1.91 |
| | 20-Apr-06 | 11,400 | 26.80 | 7.84 | -138 | 0.00 |
| | 26-Apr-06 | 16,200 | 26.95 | 8.23 | -147 | 2.45 |
| | 04-May-06 | 17,200 | 27.70 | 8.97 | -144 | 4.41 |
| | 10-May-06 | 23,000 | 29.69 | 8.13 | -96 | 2.18 |
| | 17-May-06 | 19,700 | 27.62 | 8.13 | -103 | 1.74 |
| | 31-May-06 | 13,600 | 34.55 | 7.26 | -95 | 0.44 |
| | 28-Jun-06 | 13,000 | 27.71 | 7.30 | -186 | 4.25 |
| MW-45-095a | 24-Mar-06 | 16,100 | 23.78 | 7.46 | -20 | 2.32 |
| MW-45-095b | 24-Mar-06 | 16,700 | 22.91 | 7.53 | -12 | 2.10 |
| MW-46-175 | 14-Mar-06 | 19,500 | 26.33 | 8.13 | -44 | 2.19 |
| | 24-Mar-06 | 19,900 | 25.60 | 9.19 | -93 | 1.87 |
| | 07-Apr-06 | 18,500 | 23.39 | 8.78 | -116 | 2.10 |
| | 04-May-06 | 20,800 | 27.40 | 8.92 | -27 | 4.81 |
| | 18-May-06 | 20,500 | 28.20 | 8.11 | -17 | 2.62 |
| | 31-May-06 | 15,900 | 36.28 | 7.31 | 37 | 1.23 |
| | 15-Jun-06 | 19,900 | 26.09 | 8.07 | -16 | 3.16 |
| | 30-Jun-06 | 21,800 | 24.80 | 7.91 | 56 | 6.19 |
| MW-46-205 | 14-Mar-06 | 22,600 | 26.27 | 8.02 | -117 | 2.27 |
| | 24-Mar-06 | 24,000 | 26.40 | 9.05 | -202 | 1.68 |
| | 07-Apr-06 | 22,400 | 26.16 | 8.66 | -200 | 1.93 |
| | 04-May-06 | 25,900 | 27.46 | 8.76 | -177 | 4.60 |
| | 15-Jun-06 | 24,100 | 25.98 | 7.69 | -147 | 2.88 |
| MW-47-55 | 23-Mar-06 | 5,800 | 28.82 | 7.67 | -94 | 2.98 |
| | 16-May-06 | 4,430 | 29.50 | 7.31 | 22 | 2.89 |
| MW-47-115 | 23-Mar-06 | 15,600 | 29.46 | 7.79 | -161 | 2.32 |
| | 16-May-06 | 18,400 | 29.60 | 7.22 | -67 | 1.93 |
| MW-48 | 18-May-06 | 12,300 | 34.53 | 7.02 | -39 | 1.53 |
| | 06-Jun-06 | 15,000 | 41.55 | 6.37 | -128 | 0.63 |
| MW-49-135 | 25-Apr-06 | 18,800 | 25.69 | 7.55 | -167 | 2.42 |
| | 18-May-06 | 17,100 | 26.68 | 7.21 | -178 | 2.29 |
| MW-49-275 | 25-Apr-06 | 29,400 | 29.06 | 7.88 | -143 | 3.35 |
| | 18-May-06 | 26,700 | 29.92 | 7.68 | -214 | 2.17 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|----------------------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Monitoring Wells | | | | | | |
| MW-49-365 | 26-Apr-06 | 37,600 | 28.97 | 7.85 | -244 | 2.19 |
| | 16-May-06 | 44,900 | 32.14 | 7.68 | -192 | 1.80 |
| MW-50-095 | 09-May-06 | 5,480 | 31.23 | 7.20 | 30 | 3.00 |
| | 24-May-06 | --- | 31.08 | 7.36 | 50 | 3.42 |
| MW-50-200 | 09-May-06 | 20,200 | 33.28 | 7.29 | -11 | 1.91 |
| | 24-May-06 | 37,000 | 32.25 | 7.10 | 60 | 4.11 |
| MW-51 | 12-May-06 | 12,100 | 34.29 | 6.35 | 92 | 2.51 |
| | 30-May-06 | 10,600 | 33.16 | 7.40 | 17 | 1.53 |
| OW-3D | 06-Oct-05 | 7,890 | 31.10 | 8.23 | -178 | 1.29 |
| | 09-Mar-06 | 7,840 | 29.71 | 7.66 | -1 | 2.00 |
| OW-3M | 06-Oct-05 | 5,440 | 30.66 | 8.16 | -90 | 1.82 |
| | 09-Mar-06 | 5,550 | 29.72 | 7.70 | -41 | 2.38 |
| OW-3S | 06-Oct-05 | 2,040 | 30.12 | 7.84 | -9 | 7.07 |
| | 09-Mar-06 | 2,480 | 29.23 | 7.43 | 57 | 6.77 |
| PE-1 | 03-Oct-05 | 11,600 | 26.10 | 7.37 | -202 | 0.77 |
| | 13-Dec-05 | 12,400 | 23.07 | 7.21 | -148 | 2.19 |
| PGE-6 | 12-Oct-05 | 4,240 | 28.14 | 7.48 | -23 | 1.59 |
| PGE-8 | 13-Oct-05 | 22,300 | 31.50 | 8.26 | -338 | 1.08 |
| Park Moabi | 15-Jun-05 | 1,440 | 31.08 | 8.13 | 158 | 5.93 |
| | 05-Oct-05 | 1,430 | 28.98 | 7.83 | 93 | 6.76 |
| | 16-Dec-05 | 2,860 | 28.83 | 7.96 | -26 | 3.67 |
| | 06-Mar-06 | 1,110 | 29.10 | 8.01 | 275 | 4.67 |
| | 03-May-06 | 1,510 | 29.30 | 8.28 | 112 | --- |
| TW-1 | 11-Oct-05 | 7,120 | 30.39 | 7.30 | 148 | 4.90 |
| TW-2D | 15-Jun-05 | 9,400 | 29.26 | 7.70 | 147 | 4.96 |
| | 15-Mar-06 | 8,470 | 26.30 | 7.46 | 5 | 5.20 |
| | 03-May-06 | 8,490 | 28.70 | 8.35 | 82 | 6.10 |
| TW-2S | 16-Jun-05 | 4,140 | 29.20 | 7.63 | 129 | 7.90 |
| | 07-Oct-05 | 3,320 | 22.10 | 6.24 | 204 | 8.57 |
| | 15-Mar-06 | 3,200 | 27.97 | 7.84 | -38 | 7.53 |
| | 03-May-06 | 3,150 | 28.80 | 8.20 | 80 | 6.75 |
| TW-4 | 18-May-06 | 15,600 | 32.70 | 7.05 | -97 | 0.56 |
| | 05-Jun-06 | 18,300 | 35.62 | 6.35 | -131 | 0.00 |
| TW-5 | 10-May-06 | 15,100 | 32.57 | 7.09 | -161 | 0.60 |
| | 01-Jun-06 | 10,600 | 34.87 | 6.72 | 17 | 1.51 |
| Shoreline Surface Water Station | | | | | | |
| CON | 14-Jun-05 | 2,170 | 21.80 | 8.27 | 132 | 9.65 |
| | 13-Jul-05 | 980 | 22.60 | 8.21 | 179 | 10.50 |
| | 18-Aug-05 | 1,190 | 20.80 | 8.00 | 29 | 8.92 |
| | 07-Sep-05 | 1,190 | 21.37 | 7.91 | 58 | 12.58 |
| | 05-Oct-05 | 1,120 | 19.17 | 7.97 | 120 | 9.43 |
| | 01-Nov-05 | --- | 18.94 | 8.17 | 99 | 9.20 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|----------------------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Shoreline Surface Water Station | | | | | | |
| CON | 15-Dec-05 | 1,160 | 11.30 | 8.02 | 186 | 13.61 |
| | 11-Jan-06 | 1,330 | 11.80 | 8.76 | 66 | 12.86 |
| | 09-Feb-06 | 1,180 | 12.06 | 8.59 | 163 | 10.94 |
| | 06-Mar-06 | --- | 12.70 | 8.51 | 299 | 10.69 |
| | 07-Apr-06 | 1,560 | 20.59 | 8.77 | --- | 9.36 |
| | 03-May-06 | 913 | 19.48 | 8.76 | 216 | 8.83 |
| | 15-Jun-06 | 960 | 19.10 | 6.80 | 147 | 7.99 |
| I-3 | 14-Jun-05 | 2,040 | 21.20 | 8.17 | 101 | 9.72 |
| | 13-Jul-05 | 980 | 22.10 | 8.06 | 189 | 9.98 |
| | 18-Aug-05 | 1,180 | 20.30 | 8.06 | 61 | 8.97 |
| | 07-Sep-05 | 1,180 | 20.68 | 8.21 | 59 | 13.20 |
| | 05-Oct-05 | 1,100 | 18.49 | 7.18 | 125 | 8.87 |
| | 01-Nov-05 | --- | 18.82 | 7.96 | 105 | 9.26 |
| | 15-Dec-05 | 1,160 | 11.40 | 8.18 | 182 | 11.33 |
| | 11-Jan-06 | 1,330 | 11.50 | 8.82 | 21 | 12.11 |
| | 10-Feb-06 | 1,170 | 11.57 | 7.68 | 258 | 11.10 |
| | 06-Mar-06 | 930 | 12.84 | 7.40 | 217 | 12.20 |
| | 07-Apr-06 | 1,250 | 20.11 | 8.53 | --- | 9.57 |
| | 03-May-06 | 920 | 18.20 | 8.60 | 182 | 10.63 |
| | 15-Jun-06 | 920 | 21.28 | 7.11 | 151 | 6.88 |
| NR-1 | 14-Jun-05 | 2,090 | 20.20 | 8.07 | 134 | 9.03 |
| | 13-Jul-05 | 980 | 22.60 | 8.20 | 180 | 10.60 |
| | 18-Aug-05 | 1,210 | 20.10 | 7.98 | 56 | 8.97 |
| | 07-Sep-05 | 1,180 | 20.34 | 8.22 | 77 | 13.40 |
| | 05-Oct-05 | 1,110 | 18.92 | 8.02 | 108 | 9.91 |
| | 01-Nov-05 | --- | 18.99 | 8.17 | 108 | 9.19 |
| | 15-Dec-05 | 1,160 | 11.20 | 6.52 | 222 | 11.52 |
| | 10-Jan-06 | 1,390 | 12.80 | 8.84 | 92 | 14.09 |
| | 07-Feb-06 | 1,130 | 12.10 | 8.62 | 102 | 12.47 |
| | 06-Mar-06 | --- | 12.35 | 8.38 | 296 | 11.18 |
| | 07-Apr-06 | 1,140 | 15.10 | 8.87 | 80 | 11.79 |
| | 03-May-06 | 904 | 18.02 | 8.83 | 230 | 10.24 |
| | 16-Jun-06 | 970 | 21.34 | 6.86 | 152 | 7.67 |
| NR-2 | 14-Jun-05 | 1,900 | 20.00 | 8.17 | 126 | 9.20 |
| | 14-Jul-05 | 1,140 | 21.40 | 8.21 | 194 | 11.10 |
| | 18-Aug-05 | 1,190 | 20.30 | 7.96 | 63 | 8.84 |
| | 07-Sep-05 | 1,180 | 20.23 | 8.18 | 67 | 11.76 |
| | 05-Oct-05 | 1,100 | 18.83 | 8.04 | 93 | 9.44 |
| | 01-Nov-05 | --- | 19.07 | 8.22 | 106 | 9.18 |
| | 15-Dec-05 | 1,130 | 11.40 | 7.23 | 199 | 11.28 |
| | 10-Jan-06 | 1,310 | 11.75 | 8.48 | 113 | 12.86 |
| | 07-Feb-06 | 1,140 | 11.60 | 8.13 | 101 | 11.97 |
| | 06-Mar-06 | --- | 12.76 | 8.50 | 296 | 11.08 |
| | 07-Apr-06 | 913 | 13.72 | 8.40 | 83 | 13.27 |
| | 03-May-06 | 910 | 17.81 | 8.84 | 230 | 9.91 |
| | 16-Jun-06 | 950 | 22.13 | 6.85 | 149 | 7.42 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|----------------------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Shoreline Surface Water Station | | | | | | |
| NR-3 | 14-Jun-05 | 1,890 | 20.10 | 8.23 | 121 | 9.14 |
| | 13-Jul-05 | 1,170 | 21.30 | 8.17 | 187 | 11.20 |
| | 18-Aug-05 | 1,220 | 20.20 | 8.00 | 67 | 8.72 |
| | 07-Sep-05 | 1,180 | 20.28 | 8.17 | 66 | 12.80 |
| | 05-Oct-05 | 1,100 | 18.80 | 8.11 | 101 | 9.59 |
| | 01-Nov-05 | --- | 17.15 | 8.35 | 106 | 9.21 |
| | 15-Dec-05 | 1,120 | 11.50 | 7.62 | 194 | 11.44 |
| | 10-Jan-06 | 1,300 | 12.01 | 8.57 | 116 | 13.37 |
| | 07-Feb-06 | 1,150 | 11.60 | 8.06 | 96 | 12.03 |
| | 06-Mar-06 | --- | 12.16 | 8.40 | 294 | 11.49 |
| | 07-Apr-06 | 912 | 14.82 | 8.41 | 93 | 10.82 |
| | 03-May-06 | 1,140 | 17.50 | 8.84 | 225 | 9.91 |
| | 16-Jun-06 | 900 | 24.31 | 6.85 | 145 | 6.91 |
| R-22 | 14-Jun-05 | 1,960 | 21.40 | 8.18 | 128 | 9.58 |
| | 13-Jul-05 | 980 | 22.90 | 8.13 | 202 | 10.40 |
| | 18-Aug-05 | 1,090 | 20.70 | 8.02 | 44 | 8.83 |
| | 07-Sep-05 | 1,210 | 20.56 | 7.31 | 127 | 13.08 |
| | 05-Oct-05 | 1,110 | 18.52 | 7.37 | 95 | 9.32 |
| | 01-Nov-05 | 1,920 | 19.73 | 6.76 | 133 | 9.44 |
| | 16-Dec-05 | 919 | 12.10 | 8.15 | -28 | 10.95 |
| | 11-Jan-06 | 1,200 | 11.83 | 8.81 | --- | 12.64 |
| | 08-Feb-06 | 831 | 12.24 | 8.36 | 207 | 11.83 |
| | 06-Mar-06 | --- | 12.48 | 8.09 | 290 | 11.83 |
| | 03-May-06 | 918 | 17.97 | 8.74 | 184 | 9.45 |
| | 15-Jun-06 | 940 | 20.16 | 6.97 | 147 | 7.82 |
| R-27 | 14-Jun-05 | 1,770 | 22.20 | 8.24 | 121 | 9.43 |
| | 13-Jul-05 | 980 | 23.00 | 8.19 | 180 | 11.30 |
| | 18-Aug-05 | --- | 20.50 | 8.00 | 33 | 8.87 |
| | 07-Sep-05 | 1,160 | 20.81 | 7.52 | 77 | 11.63 |
| | 05-Oct-05 | 1,120 | 19.34 | 7.65 | 92 | 9.50 |
| | 01-Nov-05 | --- | 19.06 | 7.28 | 94 | 9.21 |
| | 16-Dec-05 | 1,020 | 11.50 | 8.09 | --- | 10.99 |
| | 12-Jan-06 | 822 | 12.61 | 8.57 | 85 | 12.34 |
| | 08-Feb-06 | 838 | 12.43 | 8.26 | 199 | 11.87 |
| | 06-Mar-06 | 900 | 12.69 | 8.19 | 287 | 11.47 |
| | 07-Apr-06 | 990 | 19.36 | 8.41 | 17 | 9.28 |
| | 03-May-06 | 901 | 18.48 | 8.81 | 205 | 10.23 |
| | 15-Jun-06 | 950 | 19.42 | 6.88 | 149 | 7.59 |
| R-28 | 14-Jun-05 | 1,610 | 21.70 | 8.25 | 120 | 9.42 |
| | 14-Jul-05 | 1,170 | 21.80 | 8.16 | 224 | 10.80 |
| | 18-Aug-05 | 1,340 | 20.50 | 7.97 | -16 | 8.54 |
| | 07-Sep-05 | 1,180 | 20.60 | 7.69 | 59 | 13.03 |
| | 05-Oct-05 | 1,110 | 18.82 | 7.84 | 95 | 9.78 |
| | 01-Nov-05 | --- | 19.08 | 7.64 | 88 | 9.37 |
| | 16-Dec-05 | 914 | 11.10 | 8.08 | 28 | 11.20 |
| | 10-Jan-06 | 1,260 | 12.14 | 8.49 | 223 | 12.75 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-----------------------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| Shoreline Surface Water Station | | | | | | |
| R-28 | 08-Feb-06 | 1,150 | 12.00 | 8.41 | 185 | 12.57 |
| | 06-Mar-06 | 900 | 12.53 | 8.17 | 287 | 12.39 |
| | 07-Apr-06 | 937 | 17.48 | 8.47 | 26 | 9.88 |
| | 03-May-06 | 921 | 18.36 | 8.85 | 212 | 9.89 |
| | 15-Jun-06 | 950 | 19.85 | 6.85 | 149 | 8.41 |
| RRB | 14-Jun-05 | --- | 26.20 | 8.23 | 121 | 8.90 |
| | 14-Jul-05 | 1,180 | 24.30 | 8.24 | 203 | 10.60 |
| | 18-Aug-05 | --- | 24.60 | 7.38 | 4 | 6.38 |
| | 07-Sep-05 | 1,270 | 21.97 | 7.74 | 82 | 12.16 |
| | 05-Oct-05 | 1,190 | 18.65 | 7.84 | 146 | 9.22 |
| | 01-Nov-05 | --- | 18.07 | 8.10 | 103 | 9.36 |
| | 08-Feb-06 | 1,630 | 13.84 | 8.54 | 142 | 11.51 |
| | 06-Mar-06 | 920 | 15.04 | 8.41 | 275 | 11.68 |
| | 07-Apr-06 | 1,270 | 20.08 | 8.28 | 12 | 9.46 |
| | 03-May-06 | 1,170 | 23.33 | 8.28 | 190 | 9.73 |
| | 16-Jun-06 | 900 | 25.76 | 6.90 | 162 | 7.19 |
| In-Channel Surface Water Station | | | | | | |
| C-CON-S | 13-Jul-05 | 980 | 22.30 | 8.18 | 173 | 10.70 |
| C-CON-M | 13-Jul-05 | 1,130 | 22.80 | 8.14 | 174 | 9.50 |
| C-CON-D | 13-Jul-05 | 1,120 | 23.40 | 8.04 | 181 | 9.60 |
| C-CON-S | 22-Sep-05 | 922 | 22.02 | 8.07 | 147 | 8.73 |
| C-CON-M | 22-Sep-05 | 922 | 22.03 | 8.06 | 149 | 8.75 |
| C-CON-D | 22-Sep-05 | 924 | 22.04 | 8.31 | 142 | 8.68 |
| C-CON-S | 08-Nov-05 | 825 | 19.00 | 7.65 | 43 | 9.01 |
| C-CON-M | 08-Nov-05 | 1,130 | 19.20 | 7.72 | 42 | 9.05 |
| C-CON-D | 08-Nov-05 | 828 | 19.20 | 9.33 | 13 | 9.06 |
| C-CON-S | 13-Dec-05 | 1,060 | 12.80 | 8.26 | 158 | 11.15 |
| C-CON-M | 13-Dec-05 | 1,060 | 13.00 | 8.25 | 159 | 11.15 |
| C-CON-D | 13-Dec-05 | 1,060 | 13.00 | 8.24 | 160 | 11.61 |
| C-CON-S | 18-Jan-06 | 1,100 | 12.11 | 8.89 | 235 | 10.55 |
| C-CON-M | 18-Jan-06 | 896 | 12.19 | 8.81 | 236 | 10.40 |
| C-CON-D | 18-Jan-06 | 891 | 12.33 | 8.75 | 238 | 11.55 |
| C-CON-S | 22-Mar-06 | 1,130 | 14.26 | 8.27 | 205 | 11.03 |
| C-CON-M | 22-Mar-06 | 1,140 | 14.10 | 8.25 | 202 | 11.08 |
| C-CON-D | 22-Mar-06 | 1,130 | 14.23 | 8.25 | 191 | 11.51 |
| C-CON-S | 15-Jun-06 | 960 | 19.26 | 6.76 | 133 | 7.22 |
| C-CON-M | 15-Jun-06 | 970 | 19.33 | 6.71 | 110 | 8.57 |
| C-CON-D | 15-Jun-06 | 1,010 | 19.32 | 6.61 | 116 | 8.81 |
| C-I-3-S | 13-Jul-05 | 1,120 | 21.90 | 8.18 | 167 | 9.10 |
| C-I-3-M | 13-Jul-05 | 1,130 | 22.20 | 8.18 | 167 | 9.20 |
| C-I-3-D | 13-Jul-05 | 1,120 | 22.40 | 8.11 | 177 | 9.80 |
| C-I-3-S | 21-Sep-05 | 917 | 21.93 | 8.43 | 136 | 8.69 |
| C-I-3-M | 21-Sep-05 | 917 | 21.90 | 8.34 | 147 | 8.66 |
| C-I-3-D | 21-Sep-05 | 914 | 21.87 | 8.53 | 153 | 8.73 |
| C-I-3-S | 08-Nov-05 | 825 | 18.70 | 8.03 | 4 | 9.74 |
| C-I-3-M | 08-Nov-05 | 825 | 18.70 | 8.20 | 22 | 9.10 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-----------------------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| In-Channel Surface Water Station | | | | | | |
| C-I-3-D | 08-Nov-05 | 1,130 | 18.60 | 8.01 | 65 | 9.00 |
| C-I-3-S | 13-Dec-05 | 1,070 | 12.60 | 8.16 | 171 | 10.86 |
| C-I-3-M | 13-Dec-05 | 1,070 | 12.60 | 8.11 | 174 | 10.99 |
| C-I-3-D | 13-Dec-05 | 1,070 | 12.70 | 8.10 | 171 | 11.29 |
| C-I-3-S | 18-Jan-06 | 935 | 11.71 | 8.81 | 211 | 10.04 |
| C-I-3-M | 18-Jan-06 | 934 | 11.55 | 8.78 | 208 | 9.75 |
| C-I-3-D | 18-Jan-06 | 1,160 | 11.86 | 8.73 | 212 | 10.68 |
| C-I-3-S | 23-Mar-06 | 833 | 14.41 | 3.99 | 138 | 10.56 |
| C-I-3-M | 23-Mar-06 | 836 | 14.28 | 8.71 | 137 | 10.32 |
| C-I-3-D | 23-Mar-06 | 835 | 14.40 | 8.71 | 137 | 10.94 |
| C-I-3-S | 15-Jun-06 | 910 | 21.00 | 7.12 | 133 | 6.81 |
| C-I-3-M | 15-Jun-06 | 930 | 21.13 | 7.12 | 133 | 7.11 |
| C-I-3-D | 15-Jun-06 | 930 | 21.80 | 7.12 | 131 | 6.61 |
| C-MAR-M | 21-Sep-05 | 925 | 23.46 | 8.33 | 105 | 7.83 |
| C-MAR-S | 09-Nov-05 | 1,130 | 18.10 | 8.04 | 131 | 8.68 |
| C-MAR-M | 09-Nov-05 | 1,140 | 18.10 | 8.04 | 133 | 8.76 |
| C-MAR-D | 09-Nov-05 | 1,150 | 18.10 | 8.08 | 137 | 8.78 |
| C-MAR-M | 13-Dec-05 | 1,340 | 11.60 | 8.09 | 165 | 11.06 |
| C-MAR-S | 19-Jan-06 | 1,390 | 11.35 | 8.54 | 224 | 10.08 |
| C-MAR-M | 19-Jan-06 | 1,390 | 11.31 | 8.54 | 223 | 9.77 |
| C-MAR-D | 19-Jan-06 | 1,350 | 11.31 | 8.55 | 224 | 10.20 |
| C-MAR-M | 23-Mar-06 | 972 | 13.86 | 7.22 | 157 | 12.39 |
| C-MAR-S | 15-Jun-06 | 900 | 29.75 | 7.05 | 144 | 6.05 |
| C-MAR-D | 15-Jun-06 | 900 | 29.32 | 7.18 | 143 | 4.95 |
| C-NR1-S | 13-Jul-05 | 980 | 22.60 | 8.20 | 175 | 10.00 |
| C-NR1-M | 13-Jul-05 | 1,120 | 23.30 | 8.09 | 175 | 9.10 |
| C-NR1-D | 13-Jul-05 | 1,140 | 23.70 | 8.18 | 170 | 9.60 |
| C-NR1-S | 22-Sep-05 | 922 | 22.07 | 8.09 | 73 | 8.62 |
| C-NR1-M | 22-Sep-05 | 922 | 22.08 | 8.09 | 132 | 8.65 |
| C-NR1-D | 22-Sep-05 | 919 | 22.06 | 8.54 | 98 | 8.59 |
| C-NR1-S | 09-Nov-05 | 1,030 | 18.20 | 8.23 | 153 | 9.06 |
| C-NR1-M | 09-Nov-05 | 1,050 | 18.20 | 8.15 | 166 | 9.05 |
| C-NR1-D | 09-Nov-05 | 1,140 | 18.20 | 7.79 | 188 | 9.09 |
| C-NR1-S | 14-Dec-05 | 896 | 12.60 | 8.13 | 204 | 11.46 |
| C-NR1-M | 14-Dec-05 | 908 | 12.60 | 7.91 | 211 | 11.39 |
| C-NR1-D | 14-Dec-05 | 980 | 12.60 | 7.24 | 212 | 11.55 |
| C-NR1-S | 18-Jan-06 | 890 | 12.92 | 8.84 | 235 | 11.45 |
| C-NR1-M | 18-Jan-06 | 896 | 12.63 | 8.73 | 238 | 10.35 |
| C-NR1-D | 18-Jan-06 | 1,100 | 12.35 | 8.67 | 241 | 12.00 |
| C-NR1-S | 22-Mar-06 | 1,140 | 14.23 | 8.25 | 206 | 11.01 |
| C-NR1-M | 22-Mar-06 | 1,140 | 14.10 | 8.25 | 205 | 11.00 |
| C-NR1-D | 22-Mar-06 | 1,120 | 13.94 | 8.26 | 200 | 11.20 |
| C-NR1-S | 16-Jun-06 | 900 | 26.90 | 6.90 | 117 | 4.32 |
| C-NR1-M | 16-Jun-06 | 910 | 25.90 | 6.91 | 117 | 6.50 |
| C-NR1-D | 16-Jun-06 | 920 | 25.67 | 6.93 | 118 | 6.65 |
| C-NR3-S | 14-Jul-05 | 1,170 | 21.20 | 7.82 | 245 | 10.50 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-----------------------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| In-Channel Surface Water Station | | | | | | |
| C-NR3-M | 14-Jul-05 | 1,080 | 22.00 | 8.13 | 165 | 10.30 |
| C-NR3-D | 14-Jul-05 | 1,090 | 21.90 | 7.98 | 165 | 10.60 |
| C-NR3-S | 22-Sep-05 | 923 | 22.03 | 8.07 | 130 | 8.55 |
| C-NR3-M | 22-Sep-05 | 923 | 22.02 | 8.09 | 133 | 8.56 |
| C-NR3-D | 22-Sep-05 | 920 | 22.00 | 8.07 | 127 | 8.58 |
| C-NR3-S | 09-Nov-05 | 1,030 | 18.40 | 8.26 | 139 | 8.95 |
| C-NR3-M | 09-Nov-05 | 1,030 | 18.30 | 8.25 | 142 | 8.98 |
| C-NR3-D | 09-Nov-05 | 1,030 | 18.30 | 8.25 | 143 | 8.94 |
| C-NR3-S | 14-Dec-05 | 860 | 12.60 | 8.34 | 188 | 11.54 |
| C-NR3-M | 14-Dec-05 | 878 | 12.60 | 8.31 | 189 | 11.46 |
| C-NR3-D | 14-Dec-05 | 908 | 12.50 | 8.26 | 192 | 11.59 |
| C-NR3-S | 18-Jan-06 | 1,100 | 12.35 | 8.85 | 234 | 10.69 |
| C-NR3-M | 18-Jan-06 | 1,100 | 12.35 | 8.69 | 236 | 10.76 |
| C-NR3-D | 18-Jan-06 | 1,100 | 12.37 | 8.69 | 235 | 12.24 |
| C-NR3-S | 22-Mar-06 | 1,120 | 13.71 | 8.23 | 205 | 10.96 |
| C-NR3-M | 22-Mar-06 | 1,160 | 13.65 | 8.19 | 199 | 10.97 |
| C-NR3-D | 22-Mar-06 | 1,140 | 13.56 | 8.22 | 188 | 11.04 |
| C-NR3-S | 16-Jun-06 | 920 | 25.43 | 6.86 | 118 | 6.11 |
| C-NR3-M | 16-Jun-06 | 910 | 24.94 | 6.85 | 118 | 6.90 |
| C-NR3-D | 16-Jun-06 | 940 | 25.54 | 6.85 | 123 | 6.84 |
| C-NR4-S | 14-Jul-05 | 1,170 | 21.10 | 8.15 | 185 | 10.90 |
| C-NR4-M | 14-Jul-05 | 1,090 | 21.90 | 7.82 | 193 | 11.60 |
| C-NR4-D | 14-Jul-05 | 1,080 | 22.30 | 7.55 | 194 | 11.91 |
| C-NR4-S | 22-Sep-05 | 925 | 21.91 | 8.04 | 137 | 8.65 |
| C-NR4-M | 22-Sep-05 | 923 | 21.93 | 8.07 | 136 | 8.61 |
| C-NR4-D | 22-Sep-05 | 920 | 21.94 | 8.05 | 134 | 8.62 |
| C-NR4-S | 09-Nov-05 | 1,010 | 18.40 | 8.27 | 134 | 8.97 |
| C-NR4-M | 09-Nov-05 | 1,010 | 18.40 | 8.27 | 135 | 8.95 |
| C-NR4-D | 09-Nov-05 | 1,030 | 18.40 | 8.28 | 137 | 8.92 |
| C-NR4-S | 14-Dec-05 | 857 | 12.50 | 8.35 | 179 | 11.42 |
| C-NR4-M | 14-Dec-05 | 862 | 12.50 | 8.34 | 180 | 11.40 |
| C-NR4-D | 14-Dec-05 | 873 | 12.50 | 8.33 | 181 | 11.60 |
| C-NR4-S | 18-Jan-06 | 1,100 | 12.31 | 8.78 | 222 | 11.00 |
| C-NR4-M | 18-Jan-06 | 1,130 | 12.14 | 8.60 | 214 | 10.35 |
| C-NR4-D | 18-Jan-06 | 915 | 13.12 | 8.26 | 216 | 10.27 |
| C-NR4-S | 22-Mar-06 | 1,130 | 13.30 | 8.29 | 185 | 10.92 |
| C-NR4-M | 22-Mar-06 | 1,130 | 13.23 | 8.28 | 182 | 10.87 |
| C-NR4-D | 22-Mar-06 | 1,100 | 12.81 | 8.14 | 192 | 10.92 |
| C-NR4-S | 16-Jun-06 | 950 | 22.78 | 6.78 | 112 | 6.77 |
| C-NR4-M | 16-Jun-06 | 960 | 22.92 | 6.64 | 121 | 6.91 |
| C-NR4-D | 16-Jun-06 | 1,110 | 25.28 | 6.31 | 161 | 7.09 |
| C-R22-S | 13-Jul-05 | 960 | 21.90 | 8.11 | 215 | 10.50 |
| C-R22-M | 13-Jul-05 | 1,130 | 22.70 | 8.18 | 166 | 9.70 |
| C-R22-D | 13-Jul-05 | 1,070 | 22.90 | 8.05 | 173 | 9.90 |
| C-R22-S | 21-Sep-05 | 917 | 22.14 | 8.63 | 121 | 8.80 |
| C-R22-M | 21-Sep-05 | 917 | 22.09 | 8.58 | 134 | 9.08 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature (°C) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-----------------------------------------|---------------|--------------------------------------------------|------------------|------|----------|-------------------------|
| In-Channel Surface Water Station | | | | | | |
| C-R22-D | 21-Sep-05 | 914 | 22.02 | 8.85 | 133 | 8.78 |
| C-R22-S | 08-Nov-05 | 828 | 19.00 | 8.15 | 35 | 8.95 |
| C-R22-M | 08-Nov-05 | 1,130 | 18.90 | 7.72 | 82 | 9.11 |
| C-R22-D | 08-Nov-05 | 1,110 | 18.90 | 7.61 | 93 | 9.09 |
| C-R22-S | 13-Dec-05 | 1,060 | 12.70 | 8.25 | 163 | 10.85 |
| C-R22-M | 13-Dec-05 | 1,060 | 12.70 | 8.24 | 163 | 10.96 |
| C-R22-D | 13-Dec-05 | 1,060 | 12.70 | 8.24 | 164 | 10.98 |
| C-R22-S | 19-Jan-06 | 938 | 11.58 | 8.80 | 217 | 10.53 |
| C-R22-M | 19-Jan-06 | 944 | 11.65 | 8.80 | 214 | 9.52 |
| C-R22-D | 19-Jan-06 | 946 | 11.87 | 8.76 | 216 | 10.39 |
| C-R22-S | 23-Mar-06 | 840 | 14.35 | 8.68 | 133 | 10.56 |
| C-R22-M | 23-Mar-06 | 838 | 14.10 | 8.67 | 131 | 10.16 |
| C-R22-D | 23-Mar-06 | 835 | 14.24 | 8.65 | 131 | 10.96 |
| C-R22-S | 15-Jun-06 | 940 | 19.95 | 7.04 | 138 | 6.72 |
| C-R22-M | 15-Jun-06 | 940 | 20.03 | 7.03 | 138 | 7.82 |
| C-R22-D | 15-Jun-06 | 950 | 20.23 | 7.03 | 137 | 8.60 |
| C-R27-S | 13-Jul-05 | 980 | 22.30 | 8.15 | 176 | 10.10 |
| C-R27-M | 13-Jul-05 | 1,130 | 22.90 | 8.10 | 170 | 9.20 |
| C-R27-D | 13-Jul-05 | 1,120 | 22.80 | 7.91 | 180 | 9.50 |
| C-R27-S | 21-Sep-05 | 889 | 22.56 | 8.66 | 85 | 9.31 |
| C-R27-M | 21-Sep-05 | 890 | 22.51 | 8.60 | 61 | 8.94 |
| C-R27-D | 21-Sep-05 | 912 | 22.40 | 8.50 | 15 | 9.00 |
| C-R27-S | 08-Nov-05 | 1,130 | 19.20 | 7.87 | 39 | 9.03 |
| C-R27-M | 08-Nov-05 | 829 | 19.20 | --- | --- | 9.14 |
| C-R27-D | 08-Nov-05 | 824 | 19.20 | 8.64 | 5 | 9.17 |
| C-R27-S | 13-Dec-05 | 1,070 | 13.00 | 8.27 | 155 | 10.89 |
| C-R27-M | 13-Dec-05 | 1,060 | 12.90 | 8.26 | 155 | 11.12 |
| C-R27-D | 13-Dec-05 | 1,070 | 13.00 | 8.26 | 156 | 12.38 |
| C-R27-S | 19-Jan-06 | 939 | 12.20 | 8.78 | 219 | 10.70 |
| C-R27-M | 19-Jan-06 | 941 | 12.05 | 8.67 | 222 | 9.83 |
| C-R27-D | 19-Jan-06 | 1,180 | 12.25 | 8.60 | 226 | 10.28 |
| C-R27-M | 23-Mar-06 | 848 | 14.28 | 8.47 | 126 | 11.69 |
| C-R27-S | 15-Jun-06 | 950 | 19.85 | 6.96 | 140 | 7.51 |
| C-R27-M | 15-Jun-06 | 940 | 19.85 | 6.94 | 139 | 9.48 |
| C-R27-D | 15-Jun-06 | 950 | 19.75 | 6.93 | 138 | 8.46 |
| C-TAZ-S | 13-Jul-05 | 1,130 | 22.00 | 8.13 | 164 | 9.70 |
| C-TAZ-M | 13-Jul-05 | 1,120 | 22.30 | 8.07 | 168 | 9.40 |
| C-TAZ-D | 13-Jul-05 | 1,200 | 23.20 | 8.02 | 190 | 8.50 |
| C-TAZ-S | 21-Sep-05 | 915 | 21.83 | 8.19 | 117 | 8.74 |
| C-TAZ-M | 21-Sep-05 | 919 | 21.80 | 8.18 | 131 | 8.74 |
| C-TAZ-D | 21-Sep-05 | 923 | 21.79 | 7.94 | 142 | 8.86 |
| C-TAZ-S | 08-Nov-05 | 1,130 | 18.50 | 8.10 | 68 | 9.05 |
| C-TAZ-M | 08-Nov-05 | 1,140 | 18.50 | 8.85 | 57 | 9.07 |
| C-TAZ-D | 08-Nov-05 | 1,150 | 18.50 | 8.11 | 72 | 8.97 |
| C-TAZ-S | 13-Dec-05 | 1,060 | 12.50 | 8.13 | 181 | 11.04 |
| C-TAZ-M | 13-Dec-05 | 1,060 | 12.50 | 8.04 | 186 | 11.03 |

TABLE 9

Field Water Quality Measurements, June 2005 through June 2006
PG&E Topock Groundwater and Surface Water Monitoring Program

| Location | Sampling Date | Specific Conductance ($\mu\text{S}/\text{cm}$) | Temperature ($^{\circ}\text{C}$) | pH | ORP (mV) | Dissolved Oxygen (mg/L) |
|-----------------------------------------|---------------|--------------------------------------------------|------------------------------------|------|----------|-------------------------|
| In-Channel Surface Water Station | | | | | | |
| C-TAZ-D | 13-Dec-05 | 1,090 | 12.60 | 7.57 | 190 | 11.11 |
| C-TAZ-S | 19-Jan-06 | 1,160 | 11.64 | 8.71 | 204 | 10.13 |
| C-TAZ-M | 19-Jan-06 | 1,190 | 11.86 | 8.46 | 203 | 9.98 |
| C-TAZ-D | 19-Jan-06 | 1,220 | 12.18 | 8.08 | 212 | 10.60 |
| C-TAZ-S | 23-Mar-06 | 833 | 15.10 | 8.71 | 140 | 11.61 |
| C-TAZ-M | 23-Mar-06 | 835 | 14.76 | 8.70 | 139 | 11.54 |
| C-TAZ-D | 23-Mar-06 | 834 | 14.60 | 8.72 | 138 | 11.60 |
| C-TAZ-S | 15-Jun-06 | 910 | 28.53 | 7.11 | 143 | 3.37 |
| C-TAZ-M | 15-Jun-06 | 910 | 28.18 | 7.13 | 137 | 3.46 |
| C-TAZ-D | 15-Jun-06 | 900 | 28.71 | 7.19 | 135 | 5.22 |

NOTES:

$\mu\text{S}/\text{cm}$ microSiemens per centimeter

ORP oxidation reduction potential, results rounded off to whole point

mV millivolts

mg/L milligrams per liter

(--) data not collected, not available, or rejected

All field measurements were collected during groundwater / surface water sampling using a Horiba U-22 water quality meter and/or Orion pH/ORP meter.

Field water quality parameters from MW-33-40 and PGE-7 are not available for October 2005 monitoring event because wells went dry very soon after pumping began.

Surface water station RRB was not sampled in December 2005 due to the location being dry.

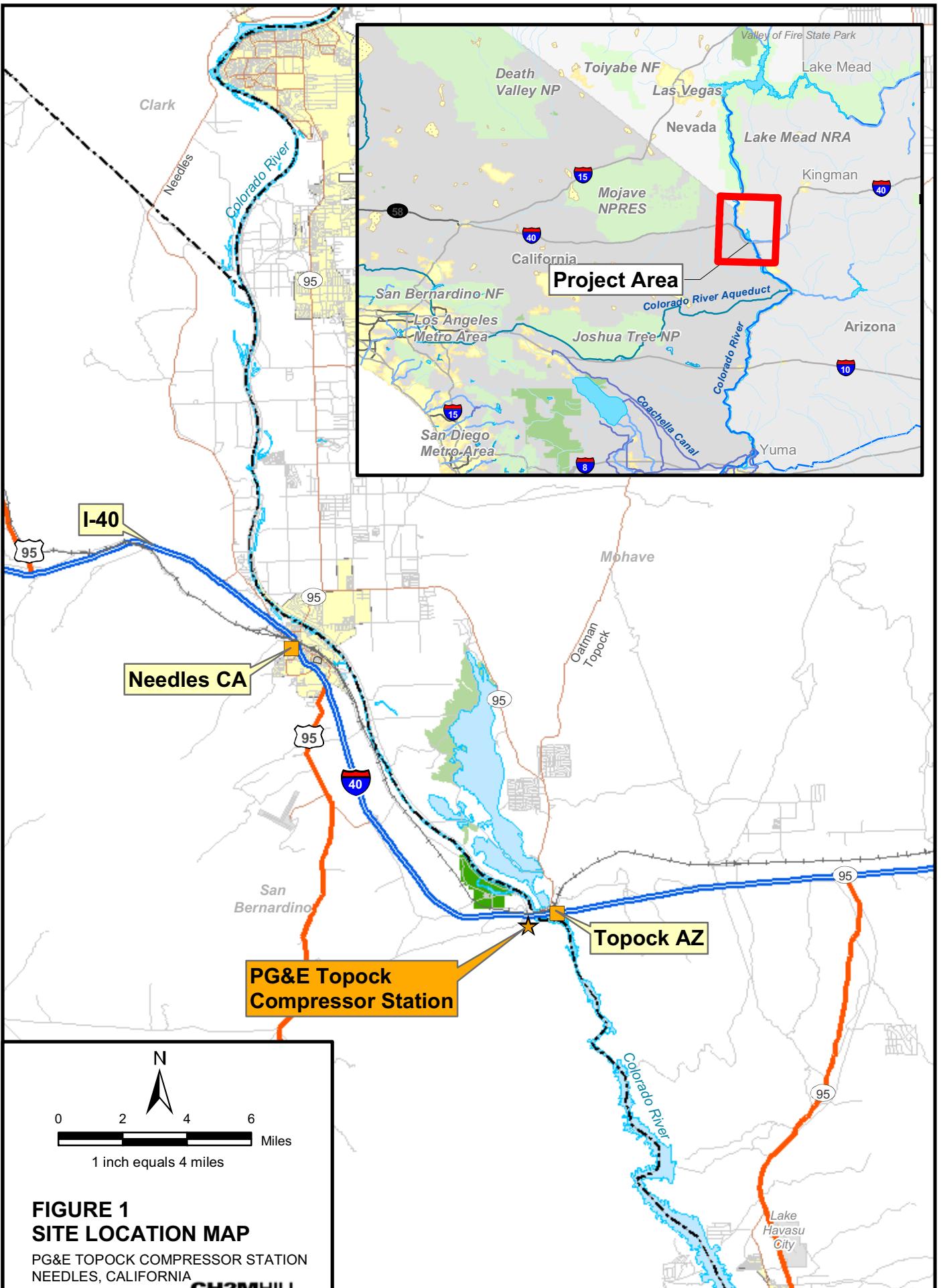
Extraction well TW-2S was not sampled in December 2005 due to concurrent plumbing work for TW-3D and PE-1.

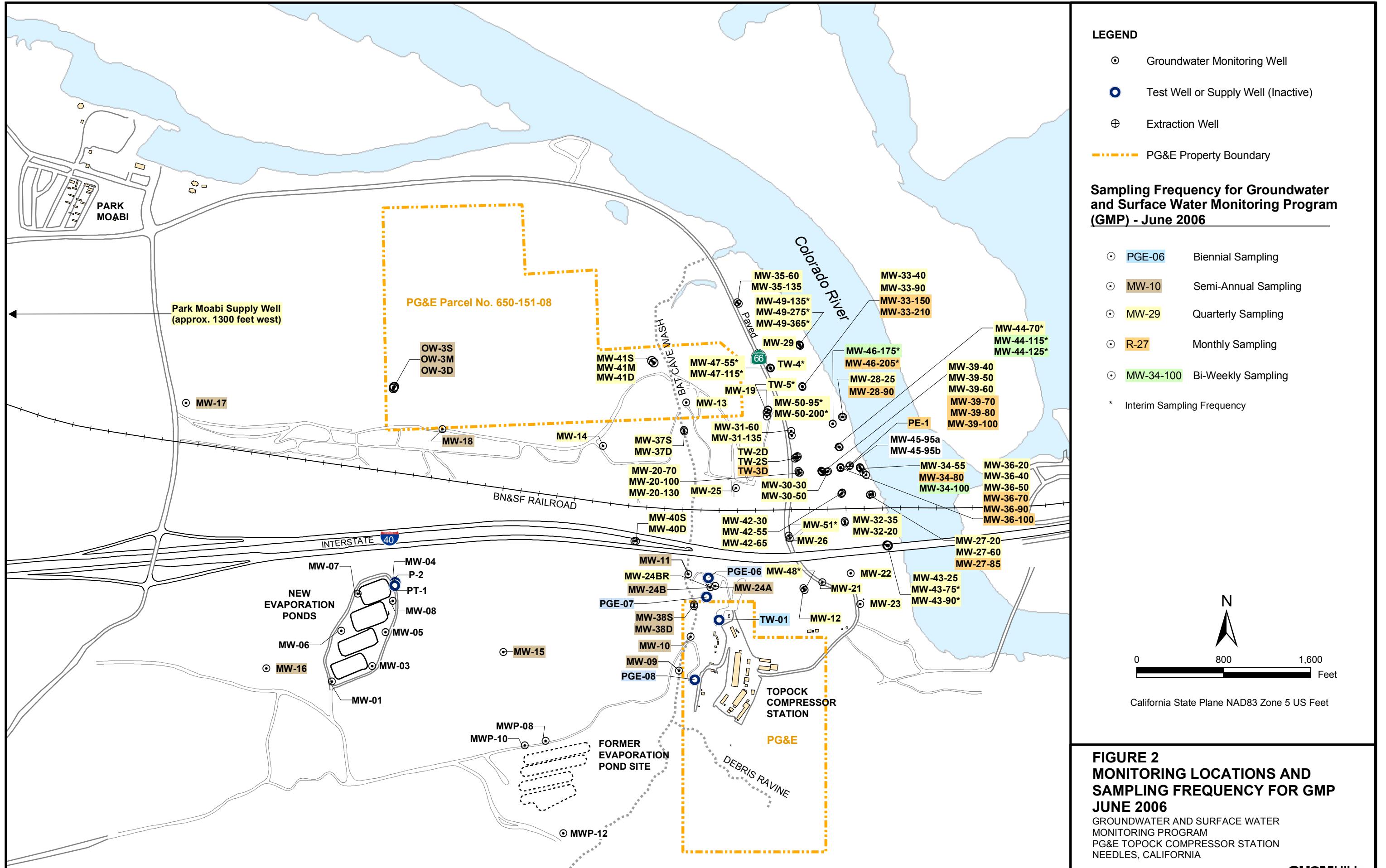
Field parameters from MW-33-40 in March 2005 were not available due to the well being purged dry before readings could be collected.

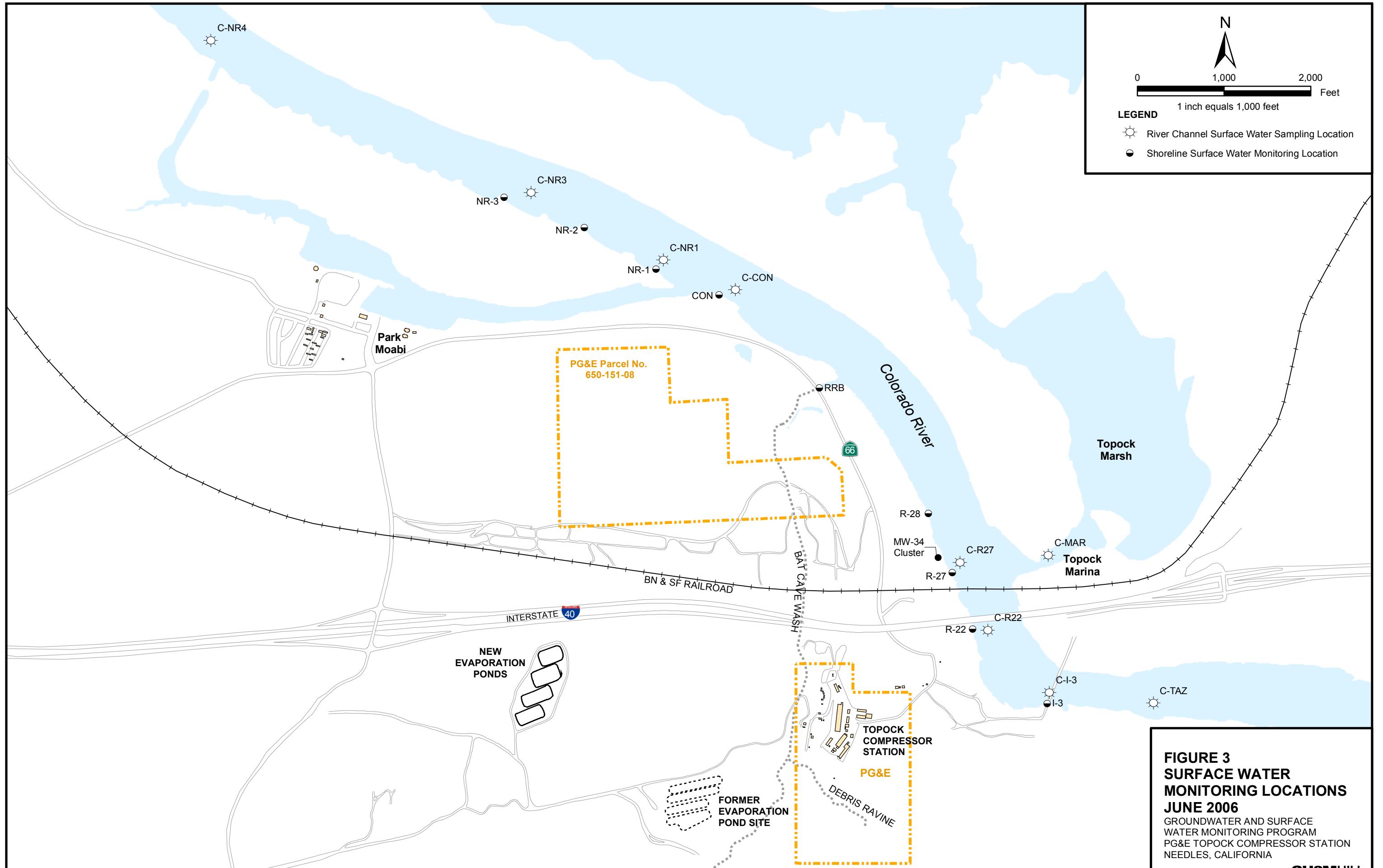
Specific conductance values for some of the shoreline surface water samples in March 2006 were not available due to a malfunctioning instrument.

Monitoring wells MW-12 and MW-29 were sampled in April rather than March 2006 due to inaccessibility to the wells from drilling operations in March.

Figures







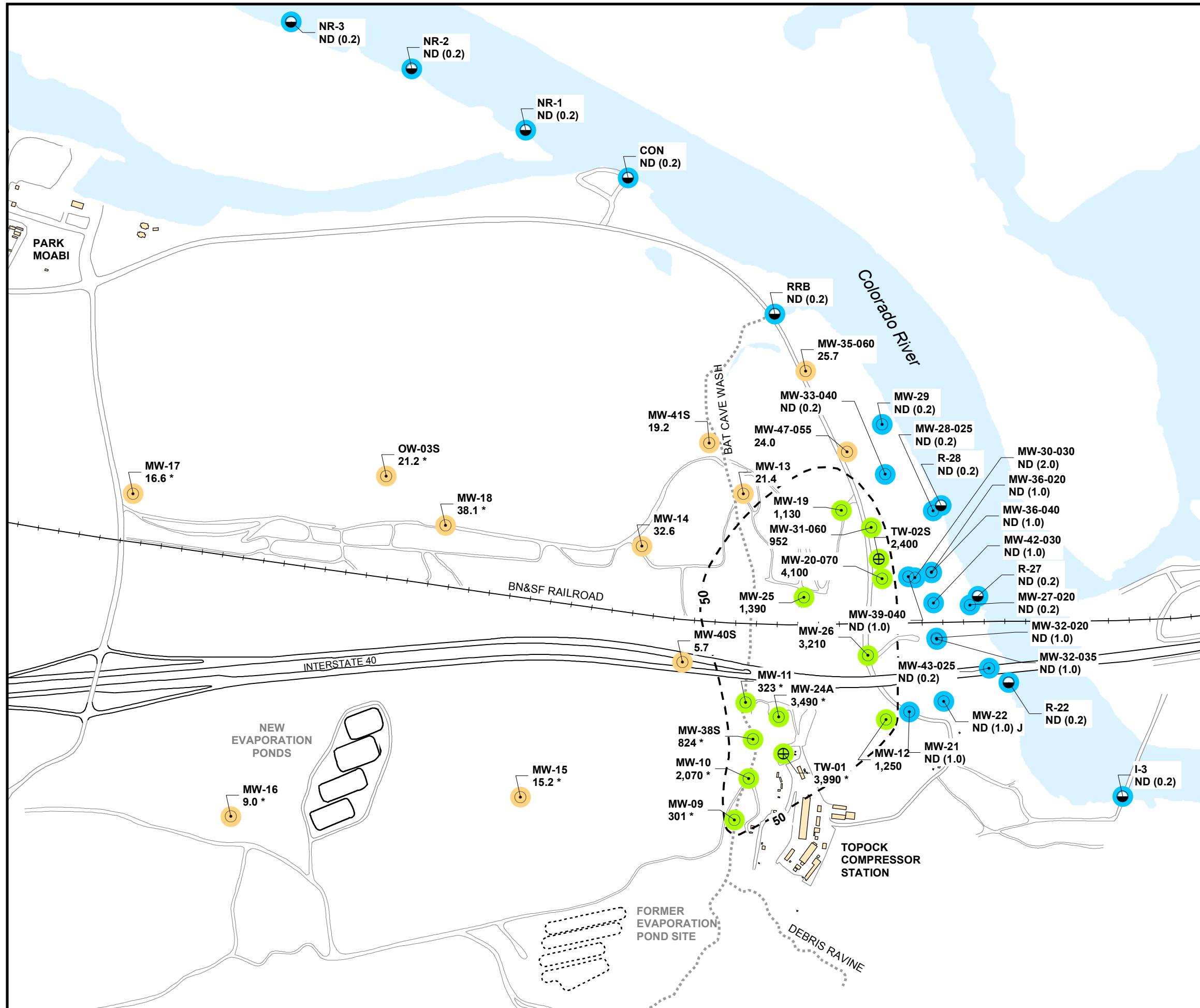


FIGURE 4A
CR(VI) SAMPLING RESULTS
UPPER DEPTH INTERVAL OF AQUIFER
2ND QUARTER 2006 MONITORING EVENT
GROUNDWATER AND SURFACE WATER
MONITORING PROGRAM
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

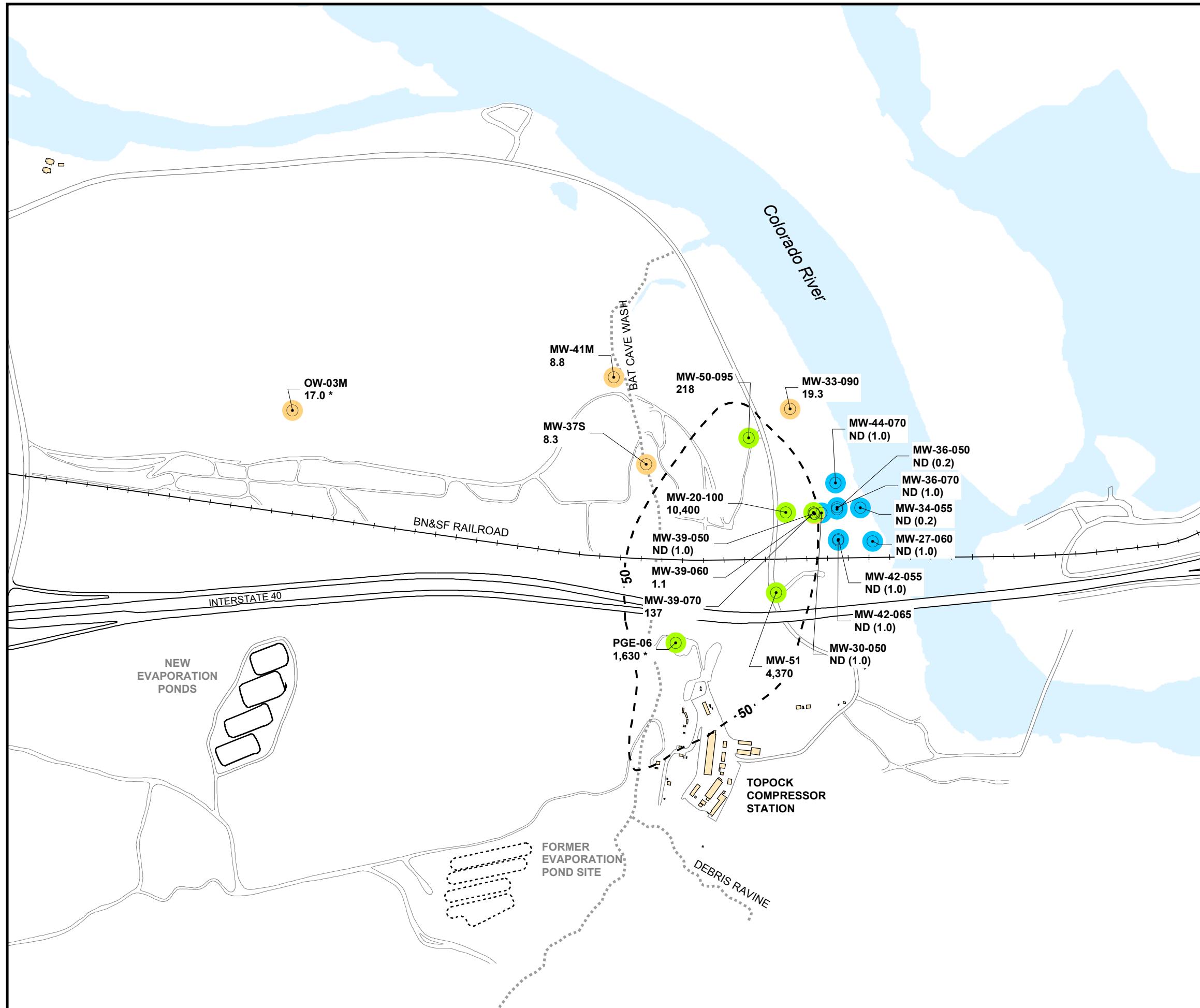
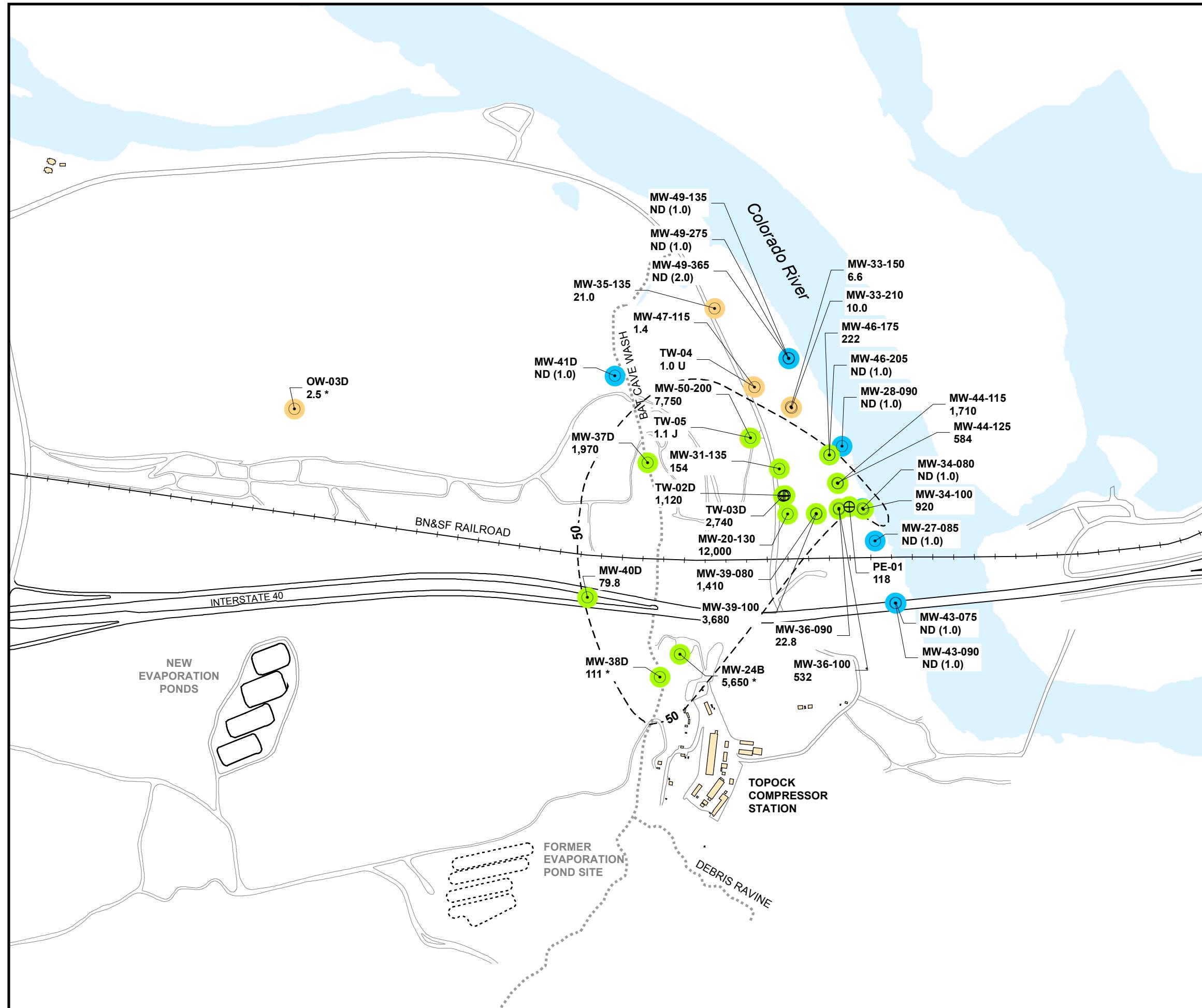


FIGURE 4B
CR(VI) SAMPLING RESULTS
MIDDLE DEPTH INTERVAL OF AQUIFER
2ND QUARTER 2006 MONITORING EVENT
GROUNDWATER AND SURFACE WATER
MONITORING PROGRAM
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA



6.48 Concentration of hexavalent chromium [Cr(VI)] in micrograms per liter (µg/L)

Results shown are maximum concentrations detected in primary and duplicate samples from wells completed in Lower Depth Interval of Alluvial Aquifer, May 2006 monitoring event. See Table 3 for complete results.

ND (0.2) Cr(VI) not detected, at listed reporting limit

* Result from most recent sampling event prior to May 2006.

Cr(VI) Concentrations in Groundwater Samples

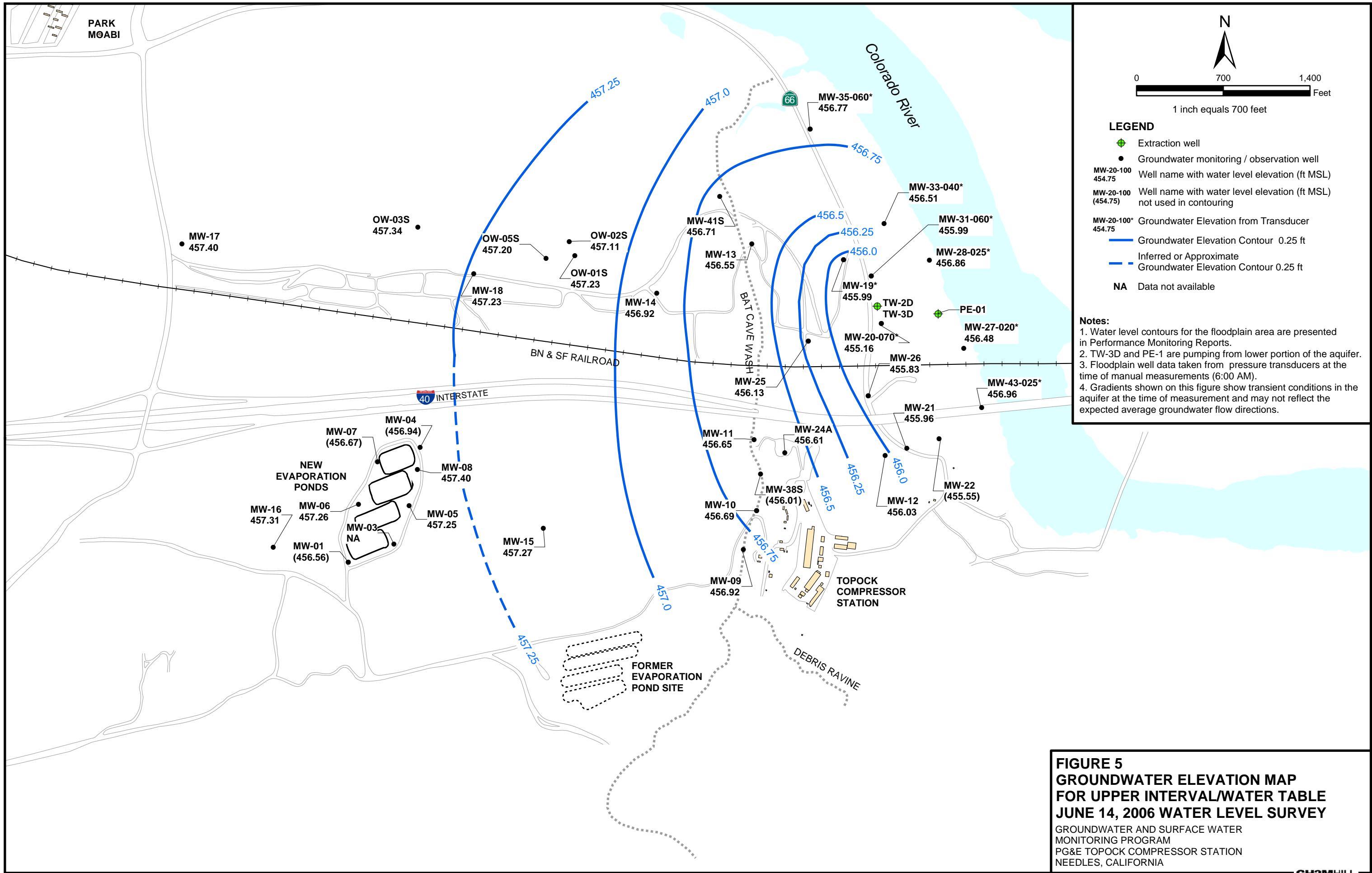
- Not detected at analytical reporting limit
- Concentration between reporting limit and 50 µg/L
- Concentration greater than 50 µg/L

50' Approximate outline of monitoring wells with Cr(VI) concentrations $\geq 50 \mu\text{g/L}$ (California drinking water standard for Total Chromium)

Refer to the June 2006 Interim Measures Performance Monitoring Report Figure 3-1 for the basis of the 50 µg/L outline shown in the floodplain area. There is no data confirming the existence of Cr(VI) under the Colorado River.

N
0 750 1,500 Feet
1 inch equals 750 feet

FIGURE 4C
CR(VI) SAMPLING RESULTS
LOWER DEPTH INTERVAL OF AQUIFER
2ND QUARTER 2006 MONITORING EVENT
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA



Appendix A

Groundwater Analytical Results for New

Monitoring Wells, General Chemistry

Parameters

Appendix A

Groundwater Analytical Results for New Monitoring Wells, General Chemistry Parameters

Groundwater and Surface Water Monitoring Program

PG&E Topock Compressor Station

| Location ID | Sample Date | pH (pH units) | Specific Conductance (µS/cm) | Total Dissolved Solids (mg/L) | Oxygen (0/00) | Deuterium (0/00) | Alkalinity Bicarbonate (mg/L) | Chloride (mg/L) | Sulfate (mg/L) | Nitrate (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Potassium (mg/L) | Sodium (mg/L) | Boron (mg/L) | Manganese (mg/L) | Iron (mg/L) | Ammonia (mg/L) | Total Organic Carbon (mg/L) | Silica (mg/L) |
|-------------|-------------|------------------|---------------------------------|----------------------------------|------------------|---------------------|-------------------------------------|--------------------|-------------------|-------------------|-------------------|---------------------|---------------------|------------------|-----------------|---------------------|----------------|-------------------|--------------------------------|------------------|
| MW-44-070 | 23-Mar-06 | 7.23 | 7,960 | 4,430 | -10.5 | -71.0 | 190 | 1,920 | 589 | ND (0.5) | 188 | 27.3 | 15.9 | 1,340 | 1.07 | 1.37 | 0.600 | ND (0.5) | 1.47 | 11.9 |
| MW-44-115 | 14-Mar-06 | 7.76 | 13,900 | 7,930 J | -10.1 | -86.3 | 89.3 | 3,680 | 798 | 0.787 | 198 | 15.6 | 28.1 | 2,890 | 1.85 | ND (0.5) | ND (0.5) | ND (0.5) | ND (1.0) | 19.3 |
| MW-44-125 | 22-Mar-06 | 8.41 | 12,200 | 7,250 | -9.8 | -72.0 | 62.3 | 3,760 | 766 | 1.72 | 126 | 7.89 | 27.1 | 2,590 | 1.70 | 0.729 | ND (0.5) | ND (0.5) | ND (1.0) | 12.7 |
| MW-45-095a | 24-Mar-06 | 7.86 | 14,000 | 8,160 | -10.7 | -78.0 | 192 | 3,670 | 949 | 0.508 | 279 | 25.5 | 21.4 | 2,540 | 1.86 | ND (0.5) | ND (0.5) | ND (0.5) | 1.89 | 23.9 |
| MW-45-095b | 24-Mar-06 | 7.92 | 15,000 | 8,800 | -10.3 | -77.0 | 180 | 3,900 | 960 | 0.604 | 286 | 22.7 | 25.6 | 2,810 | 1.98 | ND (0.5) | ND (0.5) | ND (0.5) | 1.95 | 23.4 |
| MW-46-175 | 14-Mar-06 | 8.30 | 17,700 | 10,100 J | -10.0 | -76.1 | 47.2 | 5,140 | 741 | 1.57 | 73.6 | 2.58 | 35.2 | 3,940 | 2.08 | ND (0.5) | ND (0.5) | ND (0.5) | ND (1.0) | 14.4 |
| MW-46-205 | 14-Mar-06 | 8.15 | 22,000 | 12,700 J | -10.4 | -100.0 | 49.6 | 6,540 | 868 | 0.573 | 88.7 | 3.19 | 44.5 | 5,030 | 3.22 | ND (0.5) | ND (0.5) | ND (0.5) | ND (1.0) | 14.6 |
| MW-47-055 | 23-Mar-06 | 7.50 | 3,650 | 2,160 | -9.3 | -65.0 | 79.8 | 986 | 231 | 1.31 | 150 | 24.3 | 11.0 | 578 | 0.576 | ND (0.5) | ND (0.5) | ND (0.5) | ND (1.0) | 12.5 |
| MW-47-115 | 23-Mar-06 | 7.65 | 14,200 | 7,800 | -10.2 | -72.0 | 57.4 | 4,130 | 710 | 1.23 | 334 | 30.9 | 24.1 | 2,850 | 1.21 | ND (0.5) | ND (0.5) | ND (0.5) | ND (1.0) | 11.4 |
| MW-48 | 18-May-06 | 7.57 | 16,800 | 9,860 | -10.1 | -73.7 | 53.2 | 5,220 | 475 | ND (0.5) | 307 | 49.0 | 55.0 | 3,090 | 1.02 | ND (0.5) | ND (0.5) | ND (0.5) | ND (1.0) | 13.9 |
| MW-49-135 | 25-Apr-06 | 5.50 R | 16,100 | 8,780 | -10.9 | -71.0 | 63.2 | 4,250 | 643 | 1.31 | 312 | 40.6 | 18.6 | 2,910 | 0.867 | 2.16 | 0.655 | ND (0.5) | ND (1.0) | 15.1 |
| MW-49-275 | 25-Apr-06 | 7.25 | 27,700 | 15,700 | -11.6 | -76.0 | 38.4 | 7,720 | 1,260 | 0.745 | 191 | 8.76 | 56.6 | 5,860 | 2.46 | 1.000 | 0.973 | ND (0.5) | 1.21 | 11.9 |
| MW-49-365 | 26-Apr-06 | 7.36 | 43,200 | 24,800 | -11.8 | -78.0 | 33.0 | 13,900 | 1,280 | ND (0.5) | 374 | 11.7 | 98.9 | 9,530 | 4.17 | ND (0.5) | ND (0.5) | ND (0.5) | 1.98 | 11.7 |
| MW-50-095 | 09-May-06 | 7.95 | 5,530 | 2,650 | -9.4 | -74.0 | 61.2 | 1,430 | 326 | 2.20 | 133 | 16.7 | 10.1 | 1,030 | 1.02 | ND (0.5) | ND (0.5) | ND (0.5) | ND (1.0) | 18.3 |
| MW-50-200 | 09-May-06 | 8.13 | 22,800 | 13,000 | -8.4 | -64.4 | 39.9 | 6,670 | 1,390 | 6.06 | 530 | 33.1 | 45.4 | 4,700 | 2.00 | ND (0.5) | ND (0.5) | ND (0.5) | 21.8 | 17.6 |
| MW-51 | 12-May-06 | 7.68 | 10,900 | 6,190 J | -7.7 | -60.1 | 106 | 3,020 | 934 | 14.1 | 265 | 19.0 | 28.0 | 2,090 | 1.62 | ND (0.5) | ND (0.5) | ND (0.5) | 1.37 | 22.9 |
| TW-04 | 18-May-06 | 7.71 | 21,900 | 13,300 | -10.9 | -80.8 | 55.9 | 6,760 | 1,140 | 1.43 | 464 | 56.7 | 40.7 | 4,310 | 1.63 | 0.703 | ND (0.5) | ND (0.5) | 1.73 | 18.2 |
| TW-05 | 10-May-06 | 8.05 | 13,600 | 7,780 | -9.6 | -74.7 | 34.6 | 3,190 | 420 | 0.542 | 319 | 21.2 | 22.1 | 2,690 | 1.42 | ND (0.5) | ND (0.5) | ND (0.5) | ND (1.0) | 16.6 |

Notes:

mg/L milligrams per liter

µS/cm microSiemens per centimeter

J concentration or reporting limit estimated by laboratory or data validation

--- data not collected or not available

R result exceeded analytical criteria for precision and accuracy; should not be used for project decision-making

Results in milligrams per liter (mg/L), except Oxygen-18 and Deuterium, which are expressed as differences from global standards in parts per thousand (0/00).

Alkalinity reported as bicarbonate. Nitrate reported as Nitrogen (N).

All metal results are dissolved concentrations.