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May 31, 2007

Mr. Aaron Yue
Project Manager
California Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630

Subject: Groundwater and Surface Water Monitoring Report, First Quarter 2007
PG&E Topock Compressor Station, Needles, California

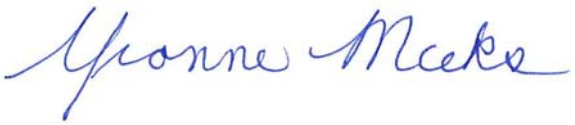
Dear Mr. Yue:

Enclosed is the Groundwater and Surface Water Monitoring Report, First Quarter 2007 for the Pacific Gas And Electric Company (PG&E) Topock Compressor Station. This report provides results for groundwater and surface water sampling between January and March 2007 under the Groundwater and Surface Water Monitoring Program (GMP). This report provides results for the quarterly/semi-annual monitoring event conducted during March 5-14, 2007 at 68 groundwater monitoring wells. This report also presents results for the shoreline and in-channel Colorado River sampling conducted during March 2007, as well as results for monthly and bi-weekly groundwater monitoring well sampling events throughout the quarter.

As communicated to DTSC on May 22, 2007 a snapshot water level survey was not conducted during the first quarter 2007. This report instead includes a water level elevation figure for the shallow depth interval measured in May 2007.

If you have any questions on the groundwater and surface water monitoring report, please call me at (805) 234-2257.

Sincerely,



Enclosure

cc: Chris Guerre/DTSC
Karen Baker/DTSC

Groundwater and Surface Water Monitoring Report, First Quarter 2007

PG&E Topock Compressor Station
Needles, California

Prepared for

California Department of Toxic Substances Control

On Behalf of

Pacific Gas and Electric Company

May 31, 2007

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155 Grand Avenue, Suite 1000
Oakland, CA 94612

Groundwater and Surface Water Monitoring Report
First Quarter 2007

PG&E Topock Compressor Station
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California Department of Toxic Substances Control

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Pacific Gas and Electric Company

May 31, 2007

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

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Project Hydrogeologist

ES052007004BAO

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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
RFI	Resource Conservation and Recovery Act Facility Investigation
SAFPM	Sampling, Analysis, and Field Procedures Manual
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 first quarter 2007 groundwater and surface water monitoring activities conducted at Pacific Gas and Electric Company's (PG&E) Topock Compressor Station near Needles, California. The monitoring activities are conducted as part of PG&E's Groundwater and Surface Water Monitoring Program (GMP) for the Topock site.

The Topock GMP is part of a Resource Conversation and Recovery Act facility investigation (RFI) being performed under a Corrective Action Consent Agreement (CACA) issued by the California Department of Toxic Substances Control (DTSC) in 1996 for the Topock site (United States Environmental Protection Agency [USEPA] ID No. CAT080011729). The Topock Compressor Station is located in eastern San Bernardino County, 15 miles southeast of the city of Needles, California, as shown on Figure 1.

1.1 Background

1.1.1 Objectives of the Topock GMP and Relationship to Other Site Monitoring Programs

The Topock GMP was initiated in 1998 as a continuation of the RFI groundwater investigations. The purpose of the Topock RFI is to identify and evaluate the nature and extent of hazardous waste and constituent releases at the compressor station. Since 1996 there have been six phases of investigation at the Topock site to collect data to complete the RFI; these phases have included well installation, pore water and sediment sampling, and ongoing groundwater and surface sampling. Groundwater monitoring data collected between July 1997 and June 2004 are presented in the *Draft RCRA Facility Investigation and Remedial Investigation Report*, dated February 2005 (CH2M HILL, 2005a). A final Groundwater RFI/RI will be prepared in 2007 that will present an extensive set of groundwater and surface water monitoring data collected at the site between 1997 and 2007.

Currently, PG&E is implementing an Interim Measure (IM) at the Topock site that consists of groundwater extraction for hydraulic control of the groundwater plume boundaries in the Colorado River floodplain and management of extracted groundwater. The IM facilities include a groundwater extraction system, conveyance piping, a groundwater treatment plant, and an injection well field for discharge of the treated groundwater. Simultaneous with the GMP (whose purpose is to collect data for completion of the RFI), PG&E also maintains three separate monitoring programs to monitor the effectiveness and regulatory compliance of the IM operations. These programs include:

- The Performance Monitoring Program for the floodplain area near the active extraction system,
- Operations and process monitoring of the IM No. 3 groundwater treatment plant, and

- The Compliance Monitoring Program for the injection area near the active injection system.

The IM monitoring programs are reported separately from the GMP, and chemical and hydraulic data collected specifically for the IM monitoring programs are not repeated in this report. PG&E is also currently implementing an *in-situ* pilot study on the floodplain of the Colorado River and the results and performance data for the pilot study are reported separately in accordance with regulatory requirements.

1.1.2 GMP Background

Routine groundwater and surface water monitoring activities were initiated in 1997 as a continuation of the RFI groundwater investigation. The program initially consisted of quarterly sampling of the monitoring wells and surface water stations established during the RFI, as well as periodic sampling of inactive supply wells. Beginning in November 2003, at DTSC's request, the GMP expanded to include additional wells and more frequent sampling at select locations.

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, 2004) 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 approval from the DTSC 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 the 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. In addition, groundwater and surface water elevation data and field water quality data are collected under the GMP.

Beginning in March 2004, as directed by DTSC (DTSC, 2004b), PG&E initiated the 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 in the Colorado River floodplain. Analytical data from selected sampling locations near the pumping operation is collected both for purposes of the GMP, as well as for evaluation of the IM performance.

On April 11, 2005, as required by DTSC, PG&E submitted the *Monitoring Plan for Groundwater and Surface Water Monitoring Program, PG&E Topock Compressor Station* (CH2M HILL, 2005b). This updated monitoring plan provided the objectives, scope, and schedule for the GMP, including sampling frequency, well network, analytical parameters, and rationale. 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.

Companion documents to the GMP include the *Sampling, Analysis, and Field Procedures Manual PG&E Topock Program* and the *Quality Assurance Project Plan for Water Quality Sampling and Analysis* (CH2M HILL, 2005c). The Sampling, Analysis, and Field Procedures Manual (SAFPM) contains field procedures for groundwater and surface water sample collection and other field data collection activities at the Topock site. The Quality Assurance Project Plan, provided as an appendix to the SAFPM, contains the quality assurance and quality control requirements for water quality sampling and analysis activities to ensure that environmental data are of the appropriate quality to achieve the project objectives (CH2M HILL, 2005c). DTSC has not yet provided final comments or approval of the March 2005 SAFPM.

The wells screened in the unconsolidated alluvial fan and fluvial deposits, which comprise the Alluvial Aquifer, have been separated into three depth intervals for presentation of 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

Numerous changes have been made to the sampling frequency under the GMP since the July 2004 SAP. These changes have included modification to the sampling frequency and the incorporation of new monitoring wells into the sampling program. Table 1 presents a chronologic summary of agency requirements and directives issued since the July 2004 SAP regarding modifications to the sampling frequency for GMP monitoring wells through March 2007.

TABLE 1
Topock GMP Monitoring Frequency Changes Through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Direction	Date	DTSC Approval[a]	New Frequency and Wells
Comments on July 2004 SAP	1/25/2005	DTSC 2005b	Quarterly 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 2005c	Weekly: MW-34-80, MW-34-100, MW-27-85, MW-27-60 Weekly (3 weeks): R-22, R-27, CON
Revised Contingency Plan sampling frequency	5/5/2005	DTSC 2005d	Weekly: MW-34-100 Biweekly: MW-27-85, MW-34-80 Monthly: MW-27-60

TABLE 1
Topock GMP Monitoring Frequency Changes Through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Direction	Date	DTSC Approval[a]	New Frequency and Wells
Preliminary comments to Monitoring Plan; incorporation of new floodplain wells	5/24/2005	DTSC 2005a	Weekly: MW-34-100 Biweekly: MW-27-85 Monthly: 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	Quarterly: 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	Biweekly: MW-34-100 Monthly: 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 sampling frequency	9/6/2005	DTSC 2005g	Monthly: MW-27-85, MW-28-90, MW-33-210, MW-34-80, PE-1 Quarterly: 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 Semiannually: 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 Biennial: TW-1
Addition of new depth-specific surface water station	9/16/2005	DTSC – e-mail	Quarterly: 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	Monthly: (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	Monthly: MW-36-70, MW-39-70
Initiation of biweekly sampling of two new wells	3/17/2006	DTSC – e-mail	Biweekly: MW-44-115, MW-44-125
Transition of two wells to weekly sampling	4/13/2006	DTSC – phone	Weekly: MW-44-115, MW-44-125
Establish concentration trend for new well	4/25/2006	DTSC – e-mail	Biweekly: MW-46-175
Transition of two wells back to biweekly sampling	5/19/2006	DTSC – e-mail	Biweekly: MW-44-115, MW-44-125
Interim sampling frequency for new wells	5/25/2006	DTSC – e-mail	Biweekly: MW-44-115, MW-44-125, MW-46-175 Monthly: MW-46-205 Quarterly: 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	Quarterly: MW-43-75 and MW-43-90

TABLE 1
Topock GMP Monitoring Frequency Changes Through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Direction	Date	DTSC Approval[a]	New Frequency and Wells
Modification to sitewide sampling frequency *	10/26/06	DTSC 2006c	Biweekly: MW-34-100 Monthly: MW-27-85, MW-34-80, MW-36-90, MW-6-100, MW-39-80, MW-39-100, MW-44-115, MW-44-125, MW-46-175 Quarterly: MW-10, MW-12, MW-19, MW-20-70, MW-20-100, MW-20-130, MW-21, MW-23, MW-4A, MW-24B, MW-24BR, MW-28-90, MW-32-20, MW-32-35, MW-33-40, MW-33-90, MW-33-150, MW-33-210, MW-36-70, MW-37D, MW-39-40, MW-39-70, MW-40D, MW-42-55, MW-42-65, MW-43-75, MW-43-90, MW-44-70, MW-46-205, 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 Quarterly (monthly during low river): CON, I-3, NR-1, NR-2, NR-3, R-22, R-27, R-28, RRB Semiannually: MW-13, MW-14, MW-18, MW-22, MW-25, MW-26, MW-31-60, MW-31-135, MW-35-60, MW-35-135, MW-37S, MW-41S, MW-41M, MW-41D, MW-42-30, MW-43-25, OW-3S, OW-3M, OW-3D, TW-4 Annually: MW-9, MW-11, MW-27-20, MW-27-60, MW-28-25, MW-29, MW-34-55, MW-36-20, MW-36-40, MW-36-50, MW-38S, MW-38D, MW-39-50, MW-39-60, MW-40S, TW-2S, TW-2D, TW-5 Biennially: MW-15, MW-16, MW-17, MW-30-30, TW-1, PGE-7, PGE-8, Park Moabi

[a] Referenced approval letters are identified in Section 5.0.
* All wells are listed rather than only wells with changes.
Table includes monitoring frequency change directives in effect for events conducted through March 2007.

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, 2005d). 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 to supplement the existing shoreline surface water sampling program. A *Revised Sampling Plan and Standard Operating Procedure for Depth-Specific Surface Water Sampling* was submitted to DTSC on May 16, 2005 (CH2M HILL, 2005e). DTSC provided conditional approval and comments on the revised Section 5.0 on June 30, 2005 (DTSC, 2005e). The *Revised Sampling Plan and Standard Operating Procedure for Depth-Specific Surface Water Sampling* (CH2M HILL, 2005f) that incorporated DTSC comments was submitted on July 13, 2005 and proposed eight in-channel sampling locations. An additional sampling station was added in September 2005 (CH2M HILL, 2005g). The depth-specific surface water sampling program was initiated in July 2005. As shown in Table 1, the surface water monitoring program was revised in October 2006 to reflect consistent monitoring frequencies for the shoreline and in-channel surface water locations, which is quarterly during most of the year and monthly during low-river stage (typically November through January) (DTSC, 2006c).

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, 2005h) 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 certain wells on the floodplain were revised in April 2006 to address habitat concerns during the southwestern willow flycatcher nesting season (typically May through September) (CH2M HILL, 2006a). The 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 were followed during the summer monitoring events conducted between May 1 and September 30, 2006. The access procedures from the September 14, 2005 document remains in effect for the other monitoring wells at the site.

1.6 Current GMP Monitoring Activity

Figure 2 shows the locations and sampling frequencies of the monitoring wells in the GMP as of March 2007, the location of the PG&E Topock Compressor Station, and other site features. Table 2 summarizes information on well construction and sampling methods for all wells in the GMP and other monitoring wells at the site. There are a total of 94 monitoring wells and two groundwater extraction wells that are included in the GMP sampling schedule. Figure 3 presents the locations of the nine shoreline surface water stations and the nine in-channel surface water sampling locations as of March 2007.

As of March 2007, the GMP consists of sample collection at groundwater monitoring wells and surface water sampling stations according to the following schedule:

- Ninety-four of the site monitoring wells are sampled during biennial sampling events (once every 2 years).

- Eighty-six of the monitoring wells are sampled during annual sampling events.
- Sixty-eight of the monitoring wells are sampled during semiannual sampling events (normally March and October).
- Forty-eight monitoring wells are sampled during quarterly sampling events. Nine shoreline surface water stations and nine in-channel surface water stations are sampled quarterly during high-river stages.
- Ten monitoring wells on the floodplain and two active extraction wells are sampled monthly. Nine shoreline surface water stations and nine in-channel surface water stations are sampled monthly during low-river stages.
- One monitoring well on the floodplain is sampled biweekly (every 2 weeks).

2.0 First Quarter 2007 Monitoring Activities

This section provides a summary of the monitoring and sampling activities completed during the first quarter 2007 reporting period and the specific groundwater and surface water analyses performed for the first quarter monitoring event. The quarterly monitoring event also fulfills the semiannual GMP sampling requirements. This quarterly/semiannual event will hereafter be referred to as the first quarter event.

2.1 Summary of Monitoring and Sampling

GMP monitoring activities in first quarter 2007 included groundwater and surface water analytical sampling and water level monitoring as summarized below.

- The first quarter 2007 monitoring event was conducted from March 5 through 14, 2007 and consisted of:
  - Sixty-eight groundwater monitoring wells and nine shoreline surface water stations were sampled for analysis of Cr(VI), Cr(T), specific conductance, and pH.
  - Seven of the sixty-eight wells were sampled for analysis of the full list of CCR Title 22 metals.
  - Duplicate samples were collected at eight monitoring wells (MW-18, MW-20-130, MW-31-135, MW-35-60, MW-41D, MW-42-55, MW-44-115, and TW-4) to assess field sampling and analytical procedures.
  - Nine in-channel surface water stations were sampled March 13 and 14, 2007 for analysis of Cr(VI), Cr(T), specific conductance, pH, hardness, total dissolved solids (TDS), and total suspended solids (TSS). All of the in-channel stations were sampled at three depths, except for station C-MAR, where only two depths could be sampled due to the shallow water column.
- A groundwater level survey of selected wells was performed in May 2007 rather than March 2007. The water level data is used to generate a groundwater elevation contour map of the shallow-depth interval of the Alluvial Aquifer for the second quarter 2007.
- Ten groundwater monitoring wells and two active extraction wells were sampled as part of monthly sampling events on January 9 and 10, and February 5 through 8, 2007 for analysis of Cr(VI), Cr(T), specific conductance, and pH.
- A monthly surface water sampling event was performed on January 22 and 23, 2007 during low-river stage for analysis of Cr(T), Cr(T), and hardness (in-channel locations only). All nine of the in-channel stations were sampled at three depths, except for station C-MAR, where only one depth could be sampled due to the shallow water column. The nine shoreline surface water locations were also sampled for the site COCs during the January monthly event.

- A one-time in-channel surface water sampling event of only the deep locations at the nine in-channel stations was conducted on February 20, 2007 prior to the commencement of California slant drilling activities.
- Monitoring well MW-34-100 was sampled during three biweekly sampling events conducted on January 24, February 21, and March 21, 2007 for analysis of Cr(VI), Cr(T), specific conductance, and pH.

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

The monitoring data presented in this report (Tables 3 through 8) include the results from all GMP events conducted during the first quarter 2007, as well as the results from March 2006 through March 2007. Table 6 presents results beginning September 2004, when the sample collection for Title 22 metals commenced.

2.1.1 Site COC Analyses

Water samples collected from monitoring wells and shoreline surface water stations during first quarter 2007 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 (µg/L). The minimum reporting limit for Method SW 7196A for undiluted samples is 10 µg/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 µg/L. The minimum reporting limit for Cr(VI) using Method SW 7199 is 0.2 µg/L for undiluted samples. Currently, samples from wells MW-34-100, MW-44-115, MW-44-125, and MW-46-175 are analyzed using Method SW 7199, even though prior detections exceeded 100 µg/L.
- Dissolved Cr(T) was analyzed using Method SW 6010B or Method SW 6020A. Both methods have a reporting limit of 1 µg/L for undiluted samples.

2.1.2 Title 22 Metals

In addition to the site COCs, samples from seven monitoring wells (MW-10, MW-12, MW-20-70, MW-20-130, MW-25, MW-34-80, and MW-37D) were analyzed 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. The groundwater samples for CCR Title 22 dissolved metals analyses were field-filtered. The metals analyses were performed by Emax Laboratories, a California-certified analytical laboratory in Torrance, California.

2.1.3 In-channel Surface Water Analyses

In addition to the site COCs, the in-channel depth-specific surface water samples collected during first quarter 2007 monitoring event were also analyzed for:

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

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

3.0 First Quarter 2007 Monitoring Results

This section summarizes the results of the groundwater and surface water sampling completed for the Topock GMP first quarter 2007 monitoring event. The monitoring results presented include the site COCs (groundwater wells and shoreline locations), CCR Title 22 metals (selected wells), 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 from March 2006 through March 2007. Figure 2 shows the locations of the GMP monitoring wells. In first quarter 2007, the maximum detected Cr(VI) concentration was 14,400 µg/L at well MW-20-130. Overall, the first quarter 2007 chromium results are consistent with the prior quarterly sampling results.

One exception is shallow bedrock monitoring well MW-23, where Cr(VI) and Cr(T) concentrations in a sample collected on March 6 were both reported at of 1,020 µg/L. Groundwater samples were most recently collected from MW-23 on May 2, 2007 (second quarter 2007 monitoring event) and had concentrations of 13.0 µg/L Cr(VI) and 10.9 µg/L Cr(T), which are comparable with the December duplicate sample and prior 2006 results.

The Cr(VI) concentrations in the previous quarterly sample from well MW-23 on December 12, 2006 were 14.4 µg/L in the field duplicate and 1,920(R) µg/L in the primary sample. (Table 3). The anomalously high primary sample result in December was flagged as "rejected" because 3 out of 4 samples collected from MW-23 on that day (the primary sample Cr(T) and the both the duplicate Cr(VI) and Cr(T) samples) had results in the typical range of 15 µg/L or less. The December primary Cr(VI) sample was completely out of range of the duplicate and any previous samples from this well. Flagging this result as "rejected" is consistent with standard practices when there are large discrepancies between primary and duplicate samples and/or large deviations from historical trends in a single sample.

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 March 2007 quarterly sampling event. 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 approximate outlines of monitoring wells with Cr(VI) concentrations greater than 50 µg/L in the shallow and lower depth intervals of the Alluvial Aquifer are similar to the previous quarterly monitoring event (CH2M HILL, 2007a). Compared to December 2006 monitoring results, the Cr(VI)

50 µg/L concentration outline in the middle depth interval in the floodplain area has shifted slightly westward reflecting a decrease in Cr(VI) concentration observed at well MW-39-70.

Relative to December 2006 monitoring, increasing Cr(VI) concentrations were detected in the March 2007 samples from MW-12 (2,630 µg/L), MW-20-130 (14,400 µg/L), MW-23 (1,020 µg/L), deep well MW-50-200 (12,300 µg/L), and MW-47-115 (10.6 µg/L). Well MW-12 is located upgradient of the capture zone of the IM extraction wells. Declining Cr(VI) concentration trends continue to be observed in a number of floodplain wells including in the upper, middle and lower depth intervals of the MW-31 and MW-39 clusters. Generally declining Cr(VI) levels are also noted in the two active extraction wells, TW-3D and PE-1. The Cr(VI) concentrations in March 2007 at well MW-34-100 are slightly lower than observed in fourth quarter 2006 sampling, and continue an overall decreasing trend since June 2006 (Table 3).

3.1.2 Surface Water

Table 4 presents the results of chromium and other analytes in shoreline surface water sampling events performed from March 2006 through March 2007. Figure 3 shows the locations of the shoreline and in-channel surface water monitoring stations in the Colorado River. Cr(VI) and Cr(T) were not detected in any of the water samples collected at the nine shoreline surface water stations during the first quarter 2007. The Cr(VI) results for the shoreline surface water sampling during first quarter 2007 are shown on Figure 4A.

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 March 2006 through March 2007. Cr(VI) and Cr(T) were not detected in any of the water samples collected at the nine in-channel surface water stations during the first quarter 2007.

3.2 Additional Analytes Results

Table 6 presents the CCR Title 22 metal results for the GMP monitoring wells sampled from September 2004 through March 2007. In addition to Cr(T), the trace metals detected during the March 2007 groundwater sampling event were arsenic, barium, cobalt, molybdenum, nickel, selenium, and vanadium. Excluding Cr(T) and arsenic (in well MW-12 only), the dissolved concentrations of the trace metals detected during the March 2007 groundwater sampling event are below the respective California drinking water standards.

3.3 Analytical Data Quality Review

The laboratory analytical data from GMP monitoring in first quarter 2007 were independently reviewed by project chemists to assess data quality and to identify deviations from analytical requirements. The quality assurance and quality control requirements are outlined in the Quality Assurance Project Plan for the PG&E Topock Program, which is Appendix D of the *Sampling, Analysis, and Field Procedures Manual, Revision 1* (CH2M HILL, 2005c). A detailed discussion of the data quality review 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 first quarter 2007 monitoring data. With minor exceptions (noted below), the analyses and data quality met the laboratory method quality control acceptance criteria. Overall, the analytical data collected in first quarter 2007 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 16 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. In most cases, the reporting limit for the SW 7199 analyses was only raised to 1 or 2 µg/L, considerably below the California drinking water standard for chromium.

Quantitation and Sensitivity: With the exception of the matrix interference issue explained above, all other method and analyte combinations met the project reporting limit objectives.

Holding Time Data Qualification: One groundwater sample submitted for TDS analysis (E160.1) was analyzed outside the recommended holding time. The detected result was flagged "J" as estimated concentration. All other method holding times requirements were met.

Method Blanks: All method blank criteria were met.

Field Blanks: All field blank criteria were met.

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

Matrix Spike Sample: All matrix spike acceptance criteria were met.

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

Field Duplicates: All field duplicate acceptance criteria were met.

Laboratory Control and Duplicate Samples: The lab control samples and lab control sample duplicates for fifteen TDS in-channel surface water samples were greater than the upper control limit for the relative percent difference and the results were flagged "J" as estimated concentrations. All other laboratory duplicate criteria were met.

3.4 Water Level Monitoring

Table 7 presents the water level measurements and groundwater and surface water elevations from March 2006 through March 2007 from wells in the GMP, as well as additional wells useful for evaluating groundwater gradients in the Alluvial Aquifer. Table 7 also lists salinity data for the wells where water levels were measured. Groundwater salinity during first quarter 2007 ranged from 0.07 percent (MW-43-25) to 3.50 percent (well MW-32-20)—a range that is consistent with results of prior monitoring. Due to the variation in

groundwater salinity at the site, the groundwater elevations measured in the monitoring wells have been adjusted (normalized) to an equivalent freshwater head (Fetter, 1994).

Beginning in June 2005 at DTSC's direction (DTSC, 2005i), a sitewide water level data-set has been collected quarterly as part of the GMP to construct a groundwater elevation contour map for the upper depth interval of the Alluvial Aquifer. Due to a field oversight, sitewide water level survey was not conducted during first quarter 2007. A sitewide water level survey was conducted on May 7, 2007 which involved the manual collection of groundwater level data at 22 shallow wells within a 3-hour period. Figure 5 presents the groundwater elevation contours for the upper depth interval of the Alluvial Aquifer (shallow monitoring wells) during the second quarter 2007. 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.

Water level contours for the floodplain are not shown in Figure 5. Since inception of the IM activities at the site in March 2004, a network of pressure transducers has been used to collect continuous water elevation data in the Alluvial Aquifer (in both the floodplain and IM No. 3 injection areas) and the Colorado River for the analysis and assessment of hydraulic data in the active extraction and injection areas of the site. This network currently includes over 80 transducers. This monitoring is ongoing and is reported as part of the IM activities, rather than in GMP reports. 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, 2007b). The groundwater elevation data in the injection area are evaluated and presented in the IM compliance monitoring reports (CH2M HILL, 2007c).

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, 2005c). Water quality field measurements were also recorded during surface water sampling. Table 8 summarizes the field water quality data collected (specific conductance, temperature, pH, oxidation-reduction potential, and dissolved oxygen) from March 2006 through March 2007. Field data sheets and chain-of-custody records for the first quarter 2007 monitoring event are presented in Appendix A.

4.0 Status of GMP Monitoring Activities

As discussed in Section 1.0, the purpose of the Topock GMP is to collect groundwater and surface water monitoring information for the Groundwater RFI to characterize the nature and extent of hazardous waste and constituent releases at the compressor station. A substantial groundwater and surface water data-set is currently available. The Final Groundwater RFI/RI will be prepared in 2007 that will present a substantial set of groundwater and surface water monitoring data collected between 1997 and 2007. Therefore, the objectives of the Topock GMP, as currently defined, will be met in 2007. The purpose and objectives for the GMP following completion of the Groundwater RFI must be defined if future GMP activities are needed.

This section presents the scope and status of ongoing and future monitoring activities scheduled for the Topock GMP.

4.1 Upcoming GMP Events

The second quarter 2007 monitoring event was conducted in May 2007. This quarterly event included 46 monitoring wells as directed by DTSC (DTSC, 2006c). Starting with the second quarter 2007 monitoring event, wells MW- 24A, MW-24B, MW-38S, MW-38D, and MW-11 are being excluded from the GMP sampling and reporting for the duration of the upland *in-situ* pilot test (DTSC, 2007). Following the completion of the upland *in-situ* pilot study test, the objectives and sampling frequency for these five wells will be re-evaluated. Quarterly surface water sampling, including nine shoreline and nine in-channel locations, was also conducted in May 2007. The groundwater and surface water monitoring report for the second quarter 2007 GMP event will be submitted approximately 10 to 12 weeks after sampling completion.

The first monthly event of the second quarter 2007 occurred on April 3 and 4, 2007. The second monthly event of the second quarter 2007 will occur in June 2007. Monthly GMP monitoring events include 10 monitoring wells, plus the two active extraction wells PE-1 and TW-3D that are routinely sampled for IM No. 3 compliance and performance monitoring (DTSC, 2006c). The sampling results of the IM extraction wells and floodplain wells that are monitored on monthly and biweekly schedules are presented monthly in the IM performance monitoring reports (CH2M HILL, 2007b).

Biweekly sampling of floodplain well MW-34-100 will continue through the second quarter 2007 as directed by DTSC (DTSC, 2006c).

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Tables

TABLE 2
Well Construction and Sampling Summary, March 2007
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	79.9	CD pump	3	11	
MW-10	Bat Cave Wash	530.65	74 - 94	4 in PVC	96.9	74.3	CD pump	5	40	
MW-11	Bat Cave Wash	522.61	62.5 - 82.5	4 in PVC	86.1	66.1	CD pump	5	30	
MW-12	East of Station	484.01	27.5 - 47.5	4 in PVC	50.4	28.1	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	114.1	CD pump	4	30	
MW-15	East of New Ponds	641.52	180.5 - 200.5	4 in PVC	203.0	184.4	CD pump	5	30	
MW-16	Near New Ponds	657.31	198 - 218	4 in PVC	218.1	200.2	Temp. pump	7	35	
MW-17	West of Mesa Area	589.96	130 - 150	4 in PVC	153.6	132.8	CD pump	5	32	
MW-18	West Mesa	545.32	85 - 105	4 in PVC	106.7	88.2	Temp. 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	45.0	CD pump	10	53	
MW-20-100	MW-20 bench	500.58	89.5 - 99.5	4 in PVC	101.4	45.8	CD pump	10	110	
MW-20-130	MW-20 bench	500.66	121 - 131	4 in PVC	132.3	46.4	Temp. pump	10	180	
MW-21	Route 66	505.55	39 - 59	4 in PVC	58.5	49.8	Temp. pump	10	10	low recharge well; typically purges dry at 1 casing volume
MW-22	Floodplain	460.72	5.5 - 10.5	2 in PVC	12.4	6.3	Peristaltic	0.2	4	
MW-23	East of Station	507.33	60 - 80	4 in PVC	81.4	51.6	CD Pump	5	20	low recharge well; typically purges dry at 1 casing volume
MW-24A	MW-24 Bench	567.16	104 - 124	4 in PVC	127.5	110.8	CD pump	3	30	
MW-24B	MW-24 Bench	564.76	193 - 213	4 in PVC	214.8	109.5	CD pump	7	210	
MW-24BR	MW-24 Bench	563.95	378 - 437	4 in PVC	441.0	107.2	Temp. pump	8	185	low recharge well; typically 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	47.4	CD pump	7	50	
MW-27-020	Floodplain	460.56	7 - 17	2 in PVC	14.4	5.6	Temp. pump	1	7	
MW-27-060	Floodplain	461.38	47.3 - 57.3	2 in PVC	59.0	6.6	Temp. pump	2	25	
MW-27-085	Floodplain	460.99	77.5 - 87.5	2 in PVC	80.0	4.7	Ded. Redi-Flo AR	2	36	
MW-28-025	Floodplain	466.76	13 - 23	2 in PVC	21.1	12.4	Ded. Redi-Flo AR	1	5	
MW-28-090	Floodplain	467.53	70 - 90	2 in PVC	98.4	10.8	Temp. pump	2	50	
MW-29	Floodplain	485.21	29.5 - 39.5	2 in PVC	41.5	30.3	Temp. pump	0.5	6	
MW-30-030	Floodplain	468.12	12 - 32	2 in PVC	26.9	14.1	Ded. Redi-Flo AR	1	10	
MW-30-050	Floodplain	468.81	40 - 50	4 in PVC	52.6	14.4	Ded. Redi-Flo AR	2	75	
MW-31-060	MW-20 Bench	496.81	41.5 - 61.5	4 in PVC	64.0	42.0	CD pump	10	40	
MW-31-135	MW-20 Bench	498.11	113 - 133	2 in PVC	135.4	42.9	Redi-Flo AR	3	60	
MW-32-020	Floodplain	461.51	10 - 20	2 in PVC	19.6	5.8	Ded. Redi-Flo AR	1.5	6	

TABLE 2
Well Construction and Sampling Summary, March 2007
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	5.8	Ded. Redi-Flo AR	2	60	
MW-33-040	Floodplain	487.38	29 - 39	4 in PVC	41.8	30.9	Temp. pump	0.5	4	
MW-33-090	Floodplain	487.55	69 - 89	4 in PVC	88.3	31.1	Temp. pump	2	110	
MW-33-150	Floodplain	487.77	132 - 152	2 in PVC	155.4	32.1	Temp. pump	3	60	
MW-33-210	Floodplain	487.25	190 - 210	2 in PVC	223.0	31.9	Ded. Redi-Flo AR	3	90	
MW-34-055	Floodplain	460.94	45 - 55	4 in PVC	56.6	6.0	Ded. Redi-Flo AR	2	100	
MW-34-080	Floodplain	461.20	73 - 83	4 in PVC	84.3	5.4	Ded. Redi-Flo AR	3	150	
MW-34-100	Floodplain	460.96	89.5 - 99.5	2 in PVC	117.0	5.4	Ded. Redi-Flo AR	2	55	
MW-35-060	Route 66	484.17	41 - 61	2 in PVC	56.8	28.9	Temp. pump	2	18	
MW-35-135	Route 66	484.08	116 - 136	2 in PVC	158.7	27.4	Temp. pump	3	66	
MW-36-020	Floodplain	469.33	10 - 20	1 in PVC	22.7	14.7	Peristaltic	0.5	4	
MW-36-040	Floodplain	469.59	30 - 40	1 in PVC	42.8	15.5	Peristaltic	0.5	4	
MW-36-050	Floodplain	469.62	46 - 51	1 in PVC	53.3	14.8	Peristaltic	0.75	5	
MW-36-070	Floodplain	469.26	60 - 70	1 in PVC	72.5	13.7	Peristaltic	0.5	7	
MW-36-090	Floodplain	469.64	80 - 90	1 in PVC	92.5	14.0	Peristaltic	0.4	10	
MW-36-100	Floodplain	469.65	88 - 98	2 in PVC	110.2	14.3	Ded. Redi-Flo AR	2	45	
MW-37D	Bat Cave Wash	486.19	180 - 200	2 in PVC	226.7	30.4	Temp. pump	3	100	
MW-37S	Bat Cave Wash	485.97	64 - 84	2 in PVC	87.0	31.2	Temp. pump	2	30	
MW-38D	Bat Cave Wash	525.31	163 - 183	2 in PVC	190.9	70.0	Temp. pump	3	60	
MW-38S	Bat Cave Wash	525.51	75 - 95	2 in PVC	98.1	69.6	Temp. pump	1	13	
MW-39-040	Floodplain	468.02	30 - 40	1 in PVC	42.1	11.8	Peristaltic	0.5	3.5	
MW-39-050	Floodplain	467.93	47 - 52	1 in PVC	54.6	13.8	Peristaltic	0.5	5	
MW-39-060	Floodplain	468.00	49 - 59	1 in PVC	66.3	14.0	Peristaltic	0.5	6	
MW-39-070	Floodplain	468.02	60 - 70	1 in PVC	71.7	12.7	Peristaltic	0.5	7	
MW-39-080	Floodplain	467.92	70 - 80	1 in PVC	82.6	12.7	Peristaltic	0.5	9	
MW-39-100	Floodplain	468.01	80 - 100	2 in PVC	117.7	13.1	Ded. Redi-Flo AR	2	45	
MW-40D	I-40 Median	566.08	240 - 260	2 in PVC	266.0	110.2	Temp. pump	3	75	
MW-40S	I-40 Median	566.04	115 - 135	2 in PVC	134.0	109.6	Temp. pump	2	13	
MW-41D	Bat Cave Wash	479.42	271 - 291	2 in PVC	313.0	24.3	Temp. pump	3	145	
MW-41M	Bat Cave Wash	479.83	170 - 190	2 in PVC	192.4	24.5	Temp. pump	3	85	
MW-41S	Bat Cave Wash	480.07	40 - 60	2 in PVC	61.6	23.3	Temp. pump	2	42	
MW-42-030	Floodplain	463.74	9.8 - 29.8	2 in PVC	32.0	9.6	Temp. pump	2	28	
MW-42-055	Floodplain	463.85	42.5 - 52.5	2 in PVC	56.0	8.1	Temp. pump	3	21	

TABLE 2
Well Construction and Sampling Summary, March 2007
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	7.5	Temp. pump	3	36	
MW-43-025	Floodplain	462.54	15 - 25	2 in PVC	27.0	7.5	Temp. pump	1	9	
MW-43-075	Floodplain	462.71	65 - 75	2 in PVC	77.0	6.1	Ded. Redi-Flo AR	2	28	
MW-43-090	Floodplain	462.76	80 - 90	2 in PVC	102.0	6.3	Ded. Redi-Flo AR	2	47	
MW-44-070	Floodplain	471.90	61 - 71	2 in PVC	70.0	16.0	Temp pump	1.5	38	
MW-44-115	Floodplain	472.01	103 - 113	2 in PVC	113.5	16.3	Ded. Redi-Flo AR	3	60	
MW-44-125	Floodplain	472.04	116 - 125	2 in PVC	128.8	16.6	Temp pump	0.35	57	
MW-46-175	Floodplain	482.16	165 - 175	2 in PVC	181.8	26.6	Ded. Redi-Flo AR	1.5	100	
MW-46-205	Floodplain	482.23	196.5 - 206.5	2 in PVC	224.7	27.2	Temp pump	2	90	
MW-47-055	Floodplain	483.87	45 - 55	2 in PVC	55.0	27.2	Temp pump	2	30	
MW-47-115	Floodplain	484.06	105 - 115	2 in PVC	115.0	27.6	Temp pump	1.5	55	
MW-48	East of Station	486.22	124 - 134	2 in PVC	138.0	30.7	Temp pump	0.5	22	low recharge well; typically purges dry at 1 casing volume
MW-49-135	Floodplain	484.02	125 - 135	1.5 in PVC	136.6	27.3	Temp pump	0.6	30	
MW-49-275	Floodplain	483.95	255 - 275	2 in PVC	274.7	28.6	Temp pump	3	126	
MW-49-365	Floodplain	484.01	345 - 365	2 in PVC	367.4	30.5	Temp pump	2	180	
MW-50-095	Route 66	496.49	85 - 95	2 in PVC	96.4	40.2	Temp pump	2	36	
MW-50-200	Route 66	496.35	190 - 200	2 in PVC	204.5	41.2	Temp pump	3	85	
MW-51	Route 66	501.56	97 - 112	4 in PVC	113.3	113.4	Temp pump	2	180	
OW-03D	West Mesa	558.63	242 - 262	2 in PVC	274.0	102.4	Temp. pump	3	90	
OW-03M	West Mesa	558.89	180 - 200	2 in PVC	202.0	101.6	Temp. pump	3	54	
OW-03S	West Mesa	558.58	86 - 116	2 in PVC	118.0	101.3	Temp. pump	2	30	
Other Site Wells not in GMP										
MW-01	New Ponds	661.76	201 - 211	4 in PVC	217.0	205.9	Ded. Redi-Flo AR	NA	NA	active PG&E pond monitoring well
MW-03	New Ponds	650.51	193 - 203	4 in PVC	205.0	194.6	Ded. Redi-Flo AR	NA	NA	active PG&E pond monitoring well
MW-04	New Ponds	625.73	164.5 - 174.5	4 in PVC	176.3	170.0	Ded. Redi-Flo AR	NA	NA	active PG&E pond monitoring well
MW-05	New Ponds	635.69	175.9 - 184.9	4 in PVC	186.2	178.7	Ded. Redi-Flo AR	NA	NA	active PG&E pond monitoring well
MW-06	New Ponds	642.84	184.5 - 193.5	4 in PVC	194.9	186.0	Ded. Redi-Flo AR	NA	NA	active PG&E pond monitoring well
MW-07	New Ponds	631.91	172.7 - 182.7	4 in PVC	185.0	176.3	Ded. Redi-Flo AR	NA	NA	active PG&E pond monitoring well
MW-08	New Ponds	627.54	169 - 178	4 in PVC	179.9	170.6	Ded. Redi-Flo AR	NA	NA	active PG&E pond monitoring well
MW-45-095a	Floodplain	470.03	83 - 93	2 in PVC	97.0	15.3	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, March 2007
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	169.6	---	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	550.11	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	active IM extraction well
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	inactive IM extraction well
TW-02S	MW-20 bench	499.05	42.5 - 92.5	6 in PVC	102.1	34.0	CD pump	6	75	inactive IM extraction well
TW-03D	MW-20 bench	---	111 - 156	8 in PVC	157.0	46.5	CD pump	NA	NA	active IM extraction well
TW-04	Floodplain	484.11	210 - 250	4 in PVC	255.0	29.9	Temp pump	NA	NA	
TW-05	Route 66	496.30	110 - 150	4 in PVC	152.5	41.3	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, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-9	07-Mar-06		298	291	2,650	7.60
	07-Mar-06	FD	301	295	2,630	7.62
	12-Oct-06		308	306	2,820	7.24
MW-10	06-Mar-06		2070	2120	2,730	7.56
	12-Oct-06		2510	2480	2,350	7.52
	14-Dec-06		2380	3040	2,140	7.79
	06-Mar-07		1640	1700	2,760	7.67
MW-11	06-Mar-06		323	306	2,360	7.47
	12-Oct-06		325	339	2,320	7.39
MW-12	18-Apr-06		1210	1300	3,450	8.19
	01-May-06		1250	1280	3,520	8.52
	04-Oct-06		1740	1790	4,590	7.92
	13-Dec-06		2050	1880	4,490	8.44
	06-Mar-07		2630	2440	4,820	8.41
MW-13	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
	02-Oct-06		24.6	21.4	1,860	7.80
	05-Mar-07		23.4	25.2	1,860	7.66
MW-14	09-Mar-06		32.5	29.1	1,420	7.56
	02-May-06		32.6	27.6	1,440	7.88
	02-Oct-06		31.2	27.0	1,430	7.88
	02-Oct-06	FD	32.6	28.9	1,440	7.84
	12-Mar-07		13.0	13.4	1,450	7.75
MW-15	07-Mar-06		15.2	13.8	1,790	7.75
	05-Oct-06		12.1	11.4	1,430	7.93 R
MW-16	07-Mar-06		9.00	7.70	1,050	7.86
	01-Nov-06		7.00	6.30	1,090	8.04
MW-17	09-Mar-06		16.6	14.7	1,710	7.60
	02-Oct-06		11.9	11.9	1,780	7.69
MW-18	09-Mar-06		37.6	31.0	1,140	7.45
	09-Mar-06	FD	38.1	32.3	1,130	7.50
	04-Oct-06		33.5	29.1	1,250	7.46
	12-Mar-07		35.6	35.6	1,200	7.69
	12-Mar-07	FD	35.6	34.1	1,200	7.73
MW-19	09-Mar-06		1090	1080	2,080	7.50
	02-May-06		1130	1120	2,150	7.74
	02-Oct-06		970	1300	2,230	7.86
	15-Dec-06		1070 J	1090	2,250	7.63
	06-Mar-07		1040	1030	2,240	7.69
MW-20-70	10-Mar-06		5170	4510	2,870	7.61
	05-May-06		4100	4440	2,860	7.75
	03-Oct-06		3290	3390	2,840	7.32

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PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-20-70	03-Oct-06	FD	3410	3330	2,790	7.38
	13-Dec-06		3430	3120	2,850	7.55
	14-Mar-07		2820	2720	2,850	7.62
MW-20-100	10-Mar-06		10100	10200	3,690	7.61
	05-May-06		10400	12100	3,610	7.65
	03-Oct-06		9520	10300	3,570	7.28
	13-Dec-06		9610	9220 J	3,630	7.48
	13-Dec-06	FD	9400	11500 J	3,560	7.54
	14-Mar-07		9470	9270	3,590	7.63
MW-20-130	10-Mar-06		10700	10600	13,600	7.62
	05-May-06		12000	13700	14,200	7.71
	18-Oct-06		11600	16400	17,000	7.61 R
	13-Dec-06		12000	10500	15,100	7.58
	13-Dec-06	FD	11800	10700	15,200	7.56
	08-Mar-07		12800	11900	12,600	7.59
	08-Mar-07	FD	14400	12100	12,800	7.57
MW-21	02-May-06		ND (1.0)	ND (1.0)	14,300	7.28
	03-Oct-06		ND (1.0)	ND (1.0)	16,500	7.27
	13-Dec-06		ND (1.0)	ND (1.0)	13,900	7.33
	09-Mar-07		ND (1.0)	ND (1.0) LF	11,100	7.26
MW-22	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
	13-Oct-06		ND (1.0)	ND (1.0)	40,300	6.84
	08-Mar-07		ND (1.0)	ND (1.0)	27,700	7.02
MW-23	08-Mar-06		11.9	ND (1.0)	18,800	7.27
	02-May-06		16.8	18.2	19,500	7.38
	04-Oct-06		15.2	14.4	19,300	7.07
	12-Dec-06		1920 R	ND (1.0) J	21,200	7.50
	12-Dec-06	FD	14.4 J	8.60 J	19,400	7.47
	06-Mar-07		1020	1020	10,200	7.75
	02-May-07(1)		13.0	10.9	17,100	7.38
MW-24A	06-Mar-06		3490	3980	3,100	7.62
	03-Oct-06		4300	4260	3,170	7.66
	14-Dec-06		3310	4250	3,220	7.70
	06-Mar-07		3540	3600	3,190	7.69
MW-24B	07-Mar-06		5650	5970	15,400	7.92
	03-Oct-06		6120	5830	17,100	7.69
	14-Dec-06		5520	5060	18,800	7.97
	05-Mar-07		5980	6100	14,900	7.92
MW-24BR	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
	05-Jun-06		ND (1.0)	---	---	---
	01-Nov-06		ND (1.0)	ND (1.0)	16,700	7.98
	15-Dec-06		ND (2.0)	1.00	16,500	8.56
	06-Mar-07		ND (1.0)	ND (1.0)	14,200	8.26

TABLE 3
Groundwater COC Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-25	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
	03-Oct-06		1140	1150	1,400	7.24
	06-Mar-07		945	951	1,330	7.59
MW-26	08-Mar-06		3280	3020	3,300	7.54
	01-May-06		3210	3110	3,350	7.66
	03-Oct-06		3590	3850	3,600	7.52
	12-Mar-07		3440	3540	3,580	7.57
MW-27-20	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
	03-Oct-06		ND (0.2)	ND (1.0)	1,090	7.90 R
MW-27-60	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
	03-Oct-06		ND (1.0)	ND (1.0)	9700 J	7.23
MW-27-85	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)	---	---
	12-Jul-06		ND (2.0)	ND (1.0)	---	---
	08-Aug-06		ND (1.0)	ND (1.0)	---	---
	06-Sep-06		ND (1.0)	ND (1.0)	---	---
	13-Oct-06		ND (1.0)	ND (1.0)	21,600	7.16
	16-Nov-06		ND (1.0)	ND (1.0)	---	---
	11-Dec-06		ND (1.0)	ND (1.0)	21,600	7.03
	10-Jan-07		ND (1.0)	4.40	---	---
	06-Feb-07		ND (1.0)	ND (1.0)	---	---
	07-Mar-07		ND (0.2)	ND (1.0)	18,100	7.31
MW-28-25	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
	11-Oct-06		ND (0.2)	ND (1.0)	1,340	7.27
MW-28-90	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)	---	---
	13-Jul-06		ND (1.0) J	ND (1.0)	---	---
	11-Aug-06		ND (0.2)	ND (1.0)	---	---
	08-Sep-06		ND (0.2)	ND (1.0)	---	---
	13-Oct-06		ND (0.2)	ND (1.0)	8,510	7.56
	14-Dec-06		ND (1.0)	ND (1.0)	7,740	7.54
	08-Mar-07		ND (1.0)	ND (1.0)	7,450	7.56
MW-29	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
	13-Oct-06		ND (0.2)	ND (1.0)	4,300	7.39

TABLE 3
Groundwater COC Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-30-30	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
	10-Oct-06		ND (2.0)	ND (1.0)	49,300	7.04
MW-30-50	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
	11-Oct-06		ND (0.2)	ND (1.0)	6,100	7.13
	11-Oct-06	FD	ND (0.2)	ND (1.0)	6,210	7.16
MW-31-60	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
	05-Oct-06		773	849	2,440	7.60
	12-Mar-07		626	638	2,730	7.69
MW-31-135	15-Mar-06		173	186	11,000	7.91
	09-May-06		154	146 LF	9,830	8.07
	05-Oct-06		85.7	81.7	9,370	7.59
	08-Mar-07		51.0	55.2	9,980	7.91
	08-Mar-07	FD	52.0	54.2	9,970	7.93
MW-32-20	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
	02-Oct-06		ND (5.0)	ND (1.0)	65,200	7.03
	11-Dec-06		ND (2.0)	ND (1.0)	57,100	6.85
	06-Mar-07		ND (2.0)	ND (1.0)	37,200	6.85
MW-32-35	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
	02-Oct-06		ND (1.0)	ND (1.0)	18,400	7.28
	11-Dec-06		ND (1.0)	ND (1.0)	19,200	7.10
	06-Mar-07		ND (1.0)	ND (1.0)	17,300	7.22
MW-33-40	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
	06-Oct-06		ND (0.2)	ND (1.0)	4,170	8.00 J
	14-Dec-06		ND (0.2)	1.20	6,790	8.20
	06-Mar-07		ND (0.2)	ND (1.0)	4,960	8.31
MW-33-90	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
	06-Oct-06		17.3	20.9	8,200	7.40 J
	15-Dec-06		17.8 J	13.8	9,460	7.63
	15-Dec-06	FD	2.30 R	13.5	9,380	7.60
	12-Mar-07		17.1	18.0	9,750	7.53
MW-33-150	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	---	---
	13-Jul-06		7.40 J	6.70	---	---

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Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-33-150	11-Aug-06		9.30	8.10	---	---
	08-Sep-06		7.40	4.10	---	---
	06-Oct-06		7.70	5.70	18,400	7.30 J
	13-Dec-06		10.8	9.80	19,500	7.59
	06-Mar-07		6.90	7.00	15,900	7.67
MW-33-210	06-Mar-06		10.7	6.50	21,500	7.50
	13-Apr-06		4.20	ND (4.2)	---	---
	05-May-06		10.0	8.80	17,900	7.55
	16-Jun-06		9.20	8.30	---	---
	13-Jul-06		10.0 J	7.50	---	---
	08-Aug-06		9.80	8.70	---	---
	08-Sep-06		9.20	4.90	---	---
	06-Oct-06		10.2	10.0	20,100	7.25 J
	11-Dec-06		11.1	8.00	22,200	7.46
	05-Mar-07		11.2	11.0	18,900	7.45
MW-34-55	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
	04-Oct-06		ND (0.2)	ND (1.0)	2,410	7.98
MW-34-80	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)	---	---
	12-Jul-06		ND (1.0)	ND (1.0)	---	---
	08-Aug-06		ND (1.0)	ND (1.0)	---	---
	06-Sep-06		ND (1.0)	ND (1.0)	---	---
	04-Oct-06		ND (1.0)	ND (1.0)	14,200	7.00
	16-Nov-06		ND (1.0)	ND (1.0)	---	---
	12-Dec-06		ND (1.0)	ND (1.0)	11,900	7.39
	09-Jan-07		ND (1.0)	3.20	---	---
	05-Feb-07		ND (1.0)	ND (1.0)	---	---
	05-Mar-07		ND (1.0)	ND (1.0)	10,000	7.33
MW-34-100	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	---	---
	12-Jul-06		823 J	851	---	---

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Groundwater COC Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-34-100	12-Jul-06	FD	828 J	864	---	---
	26-Jul-06		859	955	---	---
	08-Aug-06		889	982	---	---
	28-Aug-06		922	945	---	---
	06-Sep-06		844	963	---	---
	06-Sep-06	FD	797	907	---	---
	20-Sep-06		872	984	---	---
	04-Oct-06		910	889	19,000	7.28
	18-Oct-06		815	920	---	---
	01-Nov-06		832	752	---	---
	16-Nov-06		777	801	---	---
	30-Nov-06		744	712	---	---
	12-Dec-06		851	625 J	18,500	7.78
	28-Dec-06		723	603	---	---
	09-Jan-07		797	830	---	---
	24-Jan-07		832	817	---	---
	05-Feb-07		780	646	---	---
	05-Feb-07	FD	764	634	---	---
	21-Feb-07		804	895	---	---
	07-Mar-07		806	788	16,400	7.76
	21-Mar-07		724	642	---	---
MW-35-60	14-Mar-06		31.6	24.3	7,700	7.53
	01-May-06		25.7	26.4	6,740	7.57
	12-Oct-06		28.6	29.1	8,850	7.43
	08-Mar-07		31.3	35.1	6,750	7.53
	08-Mar-07	FD	30.8	32.7	6,740	7.50
MW-35-135	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
	12-Oct-06		35.4	34.6	9,570	7.43 R
	12-Oct-06	FD	34.0	30.8	8,640	7.60
	08-Mar-07		32.0	39.2	9,820	7.76
MW-36-20	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
	02-Oct-06		ND (1.0)	ND (1.0)	20,500	7.33
MW-36-40	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
	05-Oct-06		ND (1.0)	ND (1.0)	11,600	7.30
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
	05-Oct-06		ND (0.2)	ND (1.0)	3240 J	7.37
MW-36-70	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

TABLE 3
Groundwater COC Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-36-70	13-Jun-06		ND (0.2) J	ND (1.0)	---	---
	11-Jul-06		ND (1.0)	ND (1.0)	---	---
	09-Aug-06		ND (0.2)	ND (1.0)	---	---
	07-Sep-06		ND (0.2)	ND (1.0)	---	---
	02-Oct-06		ND (0.2)	ND (1.0)	4,900	7.81
	14-Dec-06		ND (0.2)	ND (1.0) LF	3,580	7.75
	07-Mar-07		ND (0.2)	ND (1.0)	2,780	7.93
MW-36-90	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	---	---
	11-Jul-06		12.2	11.1	---	---
	09-Aug-06		9.00	8.20	---	---
	07-Sep-06		8.80	7.70	---	---
	02-Oct-06		9.00	8.50	7,960	7.58
	02-Oct-06	FD	8.90	10.8	7,880	7.54
	15-Nov-06		ND (1.0)	2.40	---	---
	14-Dec-06		3.80 J	5.80 J	7,340	7.49
	14-Dec-06	FD	4.00	3.00 J	7,420	7.51
	10-Jan-07		6.00	9.70	---	---
	05-Feb-07		5.40	4.90	---	---
	07-Mar-07		3.10	3.70	7,060	7.54
MW-36-100	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	---	---
	13-Jul-06		528	497	---	---
	09-Aug-06		551	474	---	---
	08-Sep-06		556	561	---	---
	11-Oct-06		556	629	17500 J	7.16
	14-Nov-06		657	764	---	---
	11-Dec-06		586	513	16,400	7.22
	10-Jan-07		571	554	---	---
	05-Feb-07		538	474	---	---
	08-Mar-07		436	454	14,100	7.33
MW-37D	13-Mar-06		1950	1860	16,000	7.64
	03-May-06		1970	1880	16,200	7.87
	13-Oct-06		1330	1160	15,900	7.68
	14-Dec-06		1310	1130	17,000	7.85
	07-Mar-07		1420	1310	14,700	7.84
MW-37S	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
	13-Oct-06		7.60	6.10	4,580	7.73
	07-Mar-07		7.80	8.50	4,640	7.86

TABLE 3
Groundwater COC Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-38D	10-Mar-06		111	106	23,500	7.85
	12-Oct-06		104	104	27,100	7.38
MW-38S	10-Mar-06		824	788	3,700	7.53
	12-Oct-06		846	905	3480 J	7.49
MW-39-40	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
	05-Oct-06		ND (0.2)	ND (1.0)	7,890	7.18
	14-Dec-06		ND (1.0)	ND (1.0)	9,940	7.08
	05-Mar-07		ND (1.0)	ND (1.0)	9,480	7.43
MW-39-50	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
	05-Oct-06		ND (0.2)	ND (1.0)	7,370	7.31
MW-39-60	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
	05-Oct-06		ND (1.0)	ND (1.0)	7,180	7.34
	05-Oct-06	FD	ND (2.0)	ND (1.0)	7,800	7.38
MW-39-70	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	---	---
	12-Jul-06		77.0 J	66.7	---	---
	10-Aug-06		89.6	86.2	---	---
	07-Sep-06		155	153	---	---
	05-Oct-06		112	103	8,020	7.23
	14-Dec-06		101	94.0	8,250	7.27
	05-Mar-07		35.0	37.2	8,250	7.31
MW-39-80	08-Mar-06		1420	1400	15,900	7.48
	06-Apr-06		1200	1120	---	---
	02-May-06		1410	1450	15,400	7.27
	14-Jun-06		1000 J	934	---	---
	12-Jul-06		830 J	750	---	---
	10-Aug-06		481	447	---	---
	07-Sep-06		1160	1160	---	---
	05-Oct-06		580	594	16,600	7.09
	15-Nov-06		339	422	---	---
	14-Dec-06		326	272	18,000	7.12
	10-Jan-07		302	292	---	---
	08-Feb-07		286	247	---	---
	05-Mar-07		151	144	13,300	7.10
MW-39-100	13-Mar-06		4070	4640	20,700	7.20
	05-Apr-06		4470	4050	---	---
	05-Apr-06	FD	4460	4330	---	---
	02-May-06		3680	3480	20,500	7.22
	14-Jun-06		3270	3250	---	---

TABLE 3
Groundwater COC Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-39-100	13-Jul-06		3790	3470	---	---
	10-Aug-06		3230	3440	---	---
	10-Aug-06	FD	3170	3410	---	---
	08-Sep-06		3290	3780	---	---
	11-Oct-06		3370	3500	20,000	7.02
	15-Nov-06		2850	3190	---	---
	15-Nov-06	FD	2960	3060	---	---
	12-Dec-06		3820	3350	21,300	7.27
	10-Jan-07		2930	2560	---	---
	08-Feb-07		2880	2400	---	---
	12-Mar-07		2850	2770	18,700	7.20
MW-40D	08-Mar-06		89.9	76.7	17,200	7.59
	03-May-06		79.8	85.3	14,700	7.75
	05-Oct-06		104	86.1	18,600	7.37
	13-Dec-06		110	99.0	17,900	7.54
	09-Mar-07		104	91.6	15,300	7.68
MW-40S	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
	05-Oct-06		5.20	5.10	2,120	7.53
MW-41D	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
	04-Oct-06		ND (1.0)	ND (1.0)	22,300	7.54 R
	07-Mar-07		ND (1.0)	ND (1.0)	20,800	7.86
	07-Mar-07	FD	ND (1.0)	ND (1.0)	20,700	7.84
MW-41M	13-Mar-06		8.50	7.40	16,300	7.64
	05-May-06		8.80	9.80	12,000	7.84
	05-Oct-06		10.2	9.70	15,200	7.66
	05-Oct-06	FD	10.5	10.4	16,400	7.54
	08-Mar-07		10.0	12.0 LF	14,500	7.76
MW-41S	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	FD	19.2	17.2	4,550	8.00
	05-Oct-06		19.6	19.0	4,780	7.69
	08-Mar-07		19.9	20.9	4,710	7.96
MW-42-30	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
	03-Oct-06		ND (1.0)	ND (1.0)	19,400	7.14
	07-Mar-07		ND (0.2)	ND (1.0)	13,300	7.38
MW-42-55	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
	03-Oct-06		ND (1.0)	ND (1.0)	17,500	7.16
	14-Dec-06		ND (2.0)	ND (1.0)	18,500	7.21
	07-Mar-07		ND (0.2)	ND (1.0)	15,000	7.35
	07-Mar-07	FD	ND (0.2)	ND (1.0)	15,200	7.35

TABLE 3
Groundwater COC Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-42-65	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
	03-Oct-06		ND (1.0)	ND (1.0)	19,900	7.02
	14-Dec-06		ND (2.0)	ND (1.0)	22,300	7.12
	07-Mar-07		ND (0.2)	ND (1.0)	17,500	7.06
MW-43-25	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
	02-Oct-06		ND (0.2)	ND (1.0)	1,190	7.46
	06-Mar-07		ND (0.2)	ND (1.0)	1,250	7.55
MW-43-75	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
	02-Oct-06		ND (1.0)	ND (1.0)	17,400	7.49
	12-Dec-06		ND (1.0)	ND (1.0)	16,300	7.48
	06-Mar-07		ND (1.0)	ND (1.0)	13,800	7.47
MW-43-90	10-Mar-06		ND (2.0)	ND (1.0)	24,300	7.01
	03-Apr-06		ND (1.0)	ND (1.0)	---	---
	04-May-06		ND (1.0)	ND (1.0)	12,600	6.91
	02-Oct-06		ND (1.0)	ND (1.0)	26,000	7.14
	12-Dec-06		ND (1.0)	ND (1.0)	24,300	6.97
	06-Mar-07		ND (1.0)	ND (1.0)	19,700	6.99
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)	---	---
	04-Oct-06		ND (1.0)	ND (1.0)	8,220	7.16
	14-Dec-06		ND (1.0)	ND (1.0)	6,640	7.48
	09-Mar-07		ND (1.0)	ND (1.0)	6,320	7.50
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	---	---

TABLE 3
Groundwater COC Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-44-115	12-Jul-06		1700 J	1430	---	---
	26-Jul-06		1290	1530	---	---
	09-Aug-06		1230	1460 LF	---	---
	23-Aug-06		1370	1440	---	---
	07-Sep-06		1380	1340	---	---
	21-Sep-06		911	1180	---	---
	05-Oct-06		1300	1310	13,800	7.55
	18-Oct-06		1250	1380	---	---
	15-Nov-06		1210	1480	---	---
	12-Dec-06		1310	1090	15,200	7.89
	09-Jan-07		1140	1260	---	---
	06-Feb-07		1140	1020	---	---
	09-Mar-07		1210	1340 LF	13,000	7.79
	09-Mar-07	FD	1200	1340	13,000	7.81
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		---	---	---	---
	11-Jul-06		373	395	---	---
	11-Jul-06	FD	365	335	---	---
	26-Jul-06		155	177	---	---
	26-Jul-06	FD	157	180	---	---
	09-Aug-06		218	227 LF	---	---
	28-Aug-06		468	486	---	---
	28-Aug-06	FD	462	540	---	---
	07-Sep-06		314	297	---	---
	07-Sep-06	FD	311	275	---	---
	20-Sep-06		224	262	---	---
	20-Sep-06	FD	226	261	---	---
	05-Oct-06		284	280	15,300	7.82
	18-Oct-06		304	327	---	---
	18-Oct-06	FD	308	272	---	---
	15-Nov-06		320	363	---	---
	13-Dec-06		300	321	17,700	8.19
	09-Jan-07		285	285	---	---
	09-Jan-07	FD	284	268	---	---
	06-Feb-07		213	190	---	---
	09-Mar-07		258	287	12,300	7.85
MW-45-095a	24-Mar-06		259	216	14,000	7.86

TABLE 3
Groundwater COC Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-45-095a	13-Jul-06		197	202	---	---
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	---	---
	12-Jul-06		135 J	85.8	---	---
	27-Jul-06		174	206	---	---
	09-Aug-06		210	186	---	---
	09-Aug-06	FD	223	214	---	---
	25-Aug-06		137	136	---	---
	07-Sep-06		183	170	---	---
	21-Sep-06		190	244	---	---
	05-Oct-06		194	192	15,700	7.92
	05-Oct-06	FD	195	187	17,700	7.82
	18-Oct-06		204	253	---	---
	15-Nov-06		163	147	---	---
	13-Dec-06		187	174	21,900	8.36
	10-Jan-07		138	133	---	---
	08-Feb-07		130	108	---	---
	08-Mar-07		153	147	16,200	8.47
MW-46-205	14-Mar-06		ND (1.0)	ND (1.0)	22,000	8.15
	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	---	---
	13-Jul-06		ND (1.0)	3.50	---	---
	10-Aug-06		ND (1.0)	ND (1.0)	---	---
	07-Sep-06		2.00	2.30	---	---
	05-Oct-06		2.10	2.30	18,000	7.94
	13-Dec-06		3.20	3.00	23,400	8.26
	08-Mar-07		4.00	5.40	19,900	8.32
MW-47-55	23-Mar-06		10.9 J	7.90	3,650	7.50
	16-May-06		24.0	27.3	---	---
	10-Oct-06		56.9	56.8	3,670	7.56
	14-Dec-06		61.2	82.0	3,960	7.69
	06-Mar-07		54.6	53.0	3,610	7.70
MW-47-115	23-Mar-06		ND (2.0) J	ND (1.0)	14,200	7.65
	16-May-06		1.40	5.10	---	---
	10-Oct-06		ND (3.5)	6.90	14,600	7.46

TABLE 3
Groundwater COC Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date	Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
MW-47-115	14-Dec-06	7.90	6.10	17,400	7.76
	06-Mar-07	10.6	10.8	12,500	7.77
MW-48	18-May-06	ND (1.0)	ND (1.0)	16,800	7.57
	06-Jun-06	ND (1.0)	ND (1.0)	---	---
	06-Oct-06	ND (1.0)	ND (1.0)	17,600	7.19 J
	15-Dec-06	ND (2.0)	ND (1.0)	22,300	7.60
	07-Mar-07	ND (1.0)	ND (1.0) LF	17,400	7.89
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)	---	---
	12-Oct-06	ND (1.0)	ND (1.0)	17,000	7.24
	15-Dec-06	ND (1.0)	ND (1.0)	15,700	7.55
	09-Mar-07	ND (1.0)	ND (1.0)	13,500	7.67
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)	---	---
	12-Oct-06	ND (1.0)	ND (1.0)	30,300	7.71
	15-Dec-06	ND (1.0)	ND (1.0)	31,500	8.05
	09-Mar-07	ND (1.0)	ND (1.0)	23,700	8.10
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)	---	---
	12-Oct-06	ND (2.0)	ND (1.0)	46,000	7.05 R
	15-Dec-06	ND (2.0)	1.10	45,700	7.91
	09-Mar-07	ND (2.0)	ND (1.0)	36,100	7.98
MW-50-095	09-May-06	199	194	5,530	7.95
	24-May-06	218	221	---	---
	10-Oct-06	278	277	4,660	7.53
	12-Dec-06	273	262	4,790	7.85
	07-Mar-07	274	372	4,770	7.98
MW-50-200	09-May-06	7750	7360	22,800	8.13
	24-May-06	5810	5910	---	---
	10-Oct-06	9660	11800	18,400	7.34
	12-Dec-06	10100	9250	23,400	7.90
	07-Mar-07	12300	14600	20,700	7.92
MW-51	12-May-06	4370	4630	10,900	7.68
	30-May-06	4130	4530	---	---
	06-Oct-06	4560	4590	11,800	7.40 J
	12-Dec-06	4620	5360	9,980	7.66
	06-Mar-07	4690	5090	10,500	7.56
OW-3D	09-Mar-06	2.50	2.20	8,240	7.82
	06-Oct-06	2.70	3.60	7,630	7.70 J
	09-Mar-07	3.10	3.00	7,680	8.18
OW-3M	09-Mar-06	17.0	15.7	5,420	7.77
	12-Oct-06	17.8	20.0 J	5,100	7.40
	12-Oct-06 FD	17.9	15.3 J	4,960	7.49
	09-Mar-07	18.3	17.0	5,100	8.07

TABLE 3
Groundwater COC Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date		Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
OW-3S	09-Mar-06		21.2	18.2	1,700	7.53
	12-Oct-06		22.1	20.7	1,640	7.37
	09-Mar-07		22.8	22.1	1,730	7.71
PE-1	08-Mar-06		136	125	12,000	7.52
	06-Apr-06		133	117	13,000	7.18
	11-May-06		118	109	11,200	7.55
	15-Jun-06		101	87.3	10,600	7.53
	12-Jul-06		95.9	72.4	10,600	7.49
	09-Aug-06		95.9	83.4	9,650	7.33
	07-Sep-06		85.4	90.5	10,600	7.37
	04-Oct-06		90.1	83.9	10,300	7.18
	01-Nov-06		92.5	83.3	10,800	7.56
	06-Dec-06		97.2	85.8	10,000	7.48
	10-Jan-07		88.9	103	8,410	7.75
	06-Feb-07		80.8	89.5	8,390	7.49
	07-Mar-07		84.7	91.0	8,360	7.52
Park Moabi	06-Mar-06		9.50	7.80	1,260	7.69
	03-May-06		9.60	11.8 UF	1,300	7.92
	04-Oct-06		2.00	6.30 LF	1,150	7.25
TW-2D	15-Mar-06		1360	1360	8,960	7.41
	03-May-06		1120	1120	7,190	7.44
	04-Oct-06		872	910	9,320	7.23
TW-2S	15-Mar-06		2720	2870	2,680	7.78
	03-May-06		2400	2600	2,520	7.76
	04-Oct-06		1920	2130	2,690	7.55
TW-3D	08-Mar-06		3040	3210	9,640	7.54
	06-Apr-06		2950	2710	10,900	7.30
	11-May-06		2740	2690	9,900	7.52
	15-Jun-06		2610	2450	9,900	7.63
	12-Jul-06		2590	2440	9,570	7.35
	09-Aug-06		2660	3060	9,280	7.35
	07-Sep-06		2380	2440	9,990	7.40
	04-Oct-06		2470	2460	10,500	7.02
	01-Nov-06		2490	3180	10,600	7.34
	06-Dec-06		2500	2090	10,000	7.38
	10-Jan-07		2440	2580	8,670	7.34
	06-Feb-07		2400	2310	8,610	7.30
	07-Mar-07		2420	2500	8,740	7.37
TW-4	18-May-06		1.00	6.40	21,900	7.71
	05-Jun-06		ND (1.0)	4.10	---	---
	09-Oct-06		28.5	26.6	21,900	7.25
	07-Mar-07		35.2	31.1	20,700	7.85
	07-Mar-07	FD	35.5	36.9	20,800	7.77
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, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date	Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH
TW-5	09-Oct-06	3.60	3.20	14,900	7.67

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
(---)	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).

Wells TW-3D and PE-1 are active extraction wells for the IM hydraulic containment system.

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

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.

The hexavalent chromium result for monitoring well MW-23 on December 12, 2006 was rejected due to disagreement with total dissolved chromium and field duplicate results.

[1] The validated chromium results for May 2, 2007 sampling of well MW-23 (second quarter 2007 monitoring event) were available and are included in this report for additional information on groundwater results discussion in Section 3.1.1.

TABLE 4
Shoreline Surface Water COC Sampling Results, March 2006 through March 2007
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
CON	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)	---	---
	12-Jul-06	ND (0.2) J	ND (1.0)	---	---
	08-Aug-06	ND (0.2)	ND (1.0)	---	---
	06-Sep-06	ND (0.2)	ND (1.0)	---	---
	04-Oct-06	ND (0.2)	ND (1.0)	1,010	8.01 R
	15-Nov-06	ND (0.2)	ND (1.0)	---	---
	20-Dec-06	ND (0.2)	ND (1.0)	927	8.17
	22-Jan-07	ND (0.2)	ND (1.0)	---	---
	14-Mar-07	ND (0.2)	ND (1.0)	949	8.25
I-3	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)	---	---
	12-Jul-06	ND (0.2)	ND (1.0)	---	---
	10-Aug-06	ND (0.2)	ND (1.0)	---	---
	06-Sep-06	ND (0.2)	ND (1.0)	---	---
	04-Oct-06	ND (0.2)	ND (1.0)	1,040	8.37 R
	15-Nov-06	ND (0.2)	ND (1.0)	---	---
	20-Dec-06	ND (0.2)	ND (1.0)	987	8.28
	22-Jan-07	ND (0.2)	ND (1.0)	---	---
	13-Mar-07	ND (0.2)	ND (1.0)	908	8.34
NR-1	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)	---	---
	13-Jul-06	ND (0.2)	ND (1.0)	---	---
	08-Aug-06	ND (0.2)	ND (1.0)	---	---
	06-Sep-06	ND (0.2)	ND (1.0)	---	---
	04-Oct-06	ND (0.2)	ND (1.0)	1,020	7.79 R
	15-Nov-06	ND (0.2)	ND (1.0)	---	---
	20-Dec-06	ND (0.2)	ND (1.0)	947	8.18
	22-Jan-07	ND (0.2)	ND (1.0)	---	---
	14-Mar-07	ND (0.2)	ND (1.0)	958	8.33
NR-2	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)	---	---
	13-Jul-06	ND (0.2)	ND (1.0)	---	---
	08-Aug-06	ND (0.2)	ND (1.0)	---	---
	06-Sep-06	ND (0.2)	ND (1.0)	---	---
	04-Oct-06	ND (0.2)	ND (1.0)	1,020	8.03 R
	15-Nov-06	ND (0.2)	ND (1.0)	---	---
	20-Dec-06	ND (0.2)	ND (1.0)	922	8.36

TABLE 4
Shoreline Surface Water COC Sampling Results, March 2006 through March 2007
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	22-Jan-07	ND (0.2)	ND (1.0)	---	---
	14-Mar-07	ND (0.2)	ND (1.0)	945	8.30
NR-3	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)	---	---
	13-Jul-06	ND (0.2)	ND (1.0)	---	---
	08-Aug-06	ND (0.2)	ND (1.0)	---	---
	06-Sep-06	ND (0.2)	ND (1.0)	---	---
	04-Oct-06	ND (0.2)	ND (1.0)	1,020	8.11 R
	15-Nov-06	ND (0.2)	ND (1.0)	---	---
	20-Dec-06	ND (0.2)	ND (1.0)	925	8.35
	22-Jan-07	ND (0.2)	ND (1.0)	---	---
	14-Mar-07	ND (0.2)	ND (1.0)	942	8.30
R-22	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)	---	---
	12-Jul-06	ND (0.2)	ND (1.0)	---	---
	08-Aug-06	ND (0.2)	ND (1.0)	---	---
	07-Sep-06	ND (0.2)	ND (1.0)	---	---
	04-Oct-06	ND (1.0)	ND (1.0)	1,020	7.68
	15-Nov-06	ND (0.2)	ND (1.0)	---	---
	20-Dec-06	ND (0.2)	ND (1.0)	928	8.19
	22-Jan-07	ND (0.2)	ND (1.0)	---	---
	13-Mar-07	ND (0.2)	ND (1.0)	928	8.30
R-27	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)	---	---
	12-Jul-06	ND (0.2) J	ND (1.0)	---	---
	08-Aug-06	ND (0.2)	ND (1.0)	---	---
	07-Sep-06	ND (0.2)	ND (1.0)	---	---
	04-Oct-06	ND (0.2)	ND (1.0)	1,020	8.45 R
	15-Nov-06	ND (0.2)	ND (1.0)	---	---
	20-Dec-06	ND (0.2)	ND (1.0)	911	8.21
	22-Jan-07	ND (0.2)	ND (1.0)	---	---
	13-Mar-07	ND (0.2)	ND (1.0)	956	8.31
R-28	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)	---	---
	13-Jul-06	ND (0.2)	ND (1.0)	---	---
	08-Aug-06	ND (0.2)	ND (1.0)	---	---
	07-Sep-06	ND (0.2)	ND (1.0)	---	---
	04-Oct-06	ND (0.2)	ND (1.0)	1,010	8.25 R

TABLE 4
Shoreline Surface Water COC Sampling Results, March 2006 through March 2007
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
R-28	15-Nov-06	ND (0.2)	ND (1.0)	---	---
	20-Dec-06	ND (0.2)	ND (1.0)	896	8.16
	22-Jan-07	ND (0.2)	ND (1.0)	---	---
	14-Mar-07	ND (0.2)	ND (1.0)	914	8.16
RRB	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)	---	---
	12-Jul-06	ND (0.2) J	ND (1.0)	---	---
	10-Aug-06	ND (0.2)	ND (1.0)	---	---
	06-Sep-06	ND (0.2)	ND (1.0)	---	---
	04-Oct-06	ND (0.2)	ND (1.0)	1,070	7.90 R
	15-Nov-06	ND (0.2)	ND (1.0)	---	---
	20-Dec-06	ND (1.0)	ND (1.0)	3,870	7.73
	22-Jan-07	ND (0.2)	ND (1.0)	---	---
	14-Mar-07	ND (0.2)	ND (1.0)	929	8.18

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
(---) data not collected or not available
R result exceeded analytical criteria for precision and accuracy; should not be used for project decision-making

Hexavalent chromium analysis method: SW7199 (reporting limit 0.2 µg/L)

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

TABLE 5
In-Channel Surface Water COC and Additional Parameters Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sample Date	Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L
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-CON-S	03-Oct-06	ND (0.2)	ND (1.0)	955	8.00	325	570	ND (10)
C-CON-M	03-Oct-06	ND (0.2)	ND (1.0)	953	8.02	313	615	ND (10)
C-CON-D	03-Oct-06	ND (0.2)	ND (1.0)	956	8.04	313	580	ND (10)
C-CON-S	16-Nov-06	ND (0.2)	ND (1.0)	---	---	380	---	---
C-CON-M	16-Nov-06	ND (0.2)	ND (1.0)	---	---	350	---	---
C-CON-D	16-Nov-06	ND (0.2)	ND (1.0)	---	---	345	---	---
C-CON-S	19-Dec-06	ND (0.2)	ND (1.0)	912	8.14	324	705	ND (10)
C-CON-M	19-Dec-06	ND (0.2)	ND (1.0)	903	8.24	332	730	ND (10)
C-CON-D	19-Dec-06	ND (0.2)	ND (1.0)	892	8.14	432	720	ND (10)
C-CON-S	22-Jan-07	ND (0.2)	ND (1.0)	---	---	355	---	---
C-CON-M	22-Jan-07	ND (0.2)	ND (1.0)	---	---	345	---	---
C-CON-D	22-Jan-07	ND (0.2)	ND (1.0)	---	---	350	---	---
C-CON-D	20-Feb-07	ND (0.2)	ND (1.0)	---	---	---	---	---
C-CON-S	14-Mar-07	ND (0.2)	ND (1.0)	932	8.28	332	760	ND (10)
C-CON-M	14-Mar-07	ND (0.2)	ND (1.0)	930	8.30	320	755	ND (10)
C-CON-D	14-Mar-07	ND (0.2)	ND (1.0)	939	8.26	340	720	ND (10)
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-I-3-S	03-Oct-06	ND (0.2)	ND (1.0)	962	8.11	337	630	ND (10)
C-I-3-M	03-Oct-06	ND (0.2)	ND (1.0)	953	8.12	297	615	ND (10)
C-I-3-D	03-Oct-06	ND (0.2)	ND (1.0)	943	8.12	309	660	ND (10)

TABLE 5
In-Channel Surface Water COC and Additional Parameters Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sample Date	Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L
C-I-3-S	15-Nov-06	ND (0.2)	ND (1.0)	---	---	350	---	---
C-I-3-M	15-Nov-06	ND (0.2)	ND (1.0)	---	---	340	---	---
C-I-3-D	15-Nov-06	ND (0.2)	ND (1.0)	---	---	370	---	---
C-I-3-S	19-Dec-06	ND (0.2)	ND (1.0)	942	8.22	332	685	ND (10)
C-I-3-M	19-Dec-06	ND (0.2)	ND (1.0)	905	8.29	332	720	ND (10)
C-I-3-D	19-Dec-06	ND (0.2)	ND (1.0)	901	8.23	324	715	ND (10)
C-I-3-S	23-Jan-07	ND (0.2)	ND (1.0)	---	---	360	---	---
C-I-3-M	23-Jan-07	ND (0.2)	ND (1.0)	---	---	375	---	---
C-I-3-D	23-Jan-07	ND (0.2)	ND (1.0)	---	---	345	---	---
C-I-3-D	20-Feb-07	ND (0.2)	ND (1.0)	---	---	---	---	---
C-I-3-S	13-Mar-07	ND (0.2)	ND (1.0)	945	8.29	336	720 J	ND (10)
C-I-3-M	13-Mar-07	ND (0.2)	ND (1.0)	931	8.30	336	695 J	ND (10)
C-I-3-D	13-Mar-07	ND (0.2)	ND (1.0)	920	8.25	328	710 J	ND (10)
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
C-MAR-D	15-Jun-06	ND (0.2)	ND (1.0)	1,000	7.87	366	705	31.0
C-MAR-M	03-Oct-06	ND (0.2)	ND (1.0)	985	7.84	325	660	72.0
C-MAR-M	16-Nov-06	ND (0.2)	ND (1.0)	---	---	620	---	---
C-MAR-M	19-Dec-06	ND (0.2)	ND (1.0)	1,830	7.85	616	1410	71.0
C-MAR-M	23-Jan-07	ND (0.2)	ND (1.0)	---	---	350	---	---
C-MAR-D	20-Feb-07	ND (0.2)	ND (1.0)	---	---	---	---	---
C-MAR-S	13-Mar-07	ND (0.2)	ND (1.0)	1,030	8.04	352	760 J	48.0
C-MAR-D	13-Mar-07	ND (0.2)	ND (1.0)	1,030	8.06	348	770 J	68.0
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-NR1-S	04-Oct-06	ND (0.2)	ND (1.0)	1,000	8.20	335	740	ND (10)
C-NR1-M	04-Oct-06	ND (0.2)	ND (1.0)	995	8.18	323	750	ND (10)

TABLE 5
In-Channel Surface Water COC and Additional Parameters Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sample Date	Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L
C-NR1-D	04-Oct-06	ND (0.2)	ND (1.0)	986	8.19	315	750	ND (10)
C-NR1-S	16-Nov-06	ND (0.2)	ND (1.0)	---	---	370	---	---
C-NR1-M	16-Nov-06	ND (0.2)	ND (1.0)	---	---	365	---	---
C-NR1-D	16-Nov-06	ND (0.2)	ND (1.0)	---	---	350	---	---
C-NR1-S	19-Dec-06	ND (0.2)	ND (1.0)	909	8.04	324	720	ND (10)
C-NR1-M	19-Dec-06	ND (0.2)	ND (1.0)	911	8.24	316	715	ND (10)
C-NR1-D	19-Dec-06	ND (0.2)	ND (1.0)	923	8.20	316	665	ND (10)
C-NR1-S	22-Jan-07	ND (0.2)	ND (1.0)	---	---	360	---	---
C-NR1-M	22-Jan-07	ND (0.2)	ND (1.0)	---	---	350	---	---
C-NR1-D	22-Jan-07	ND (0.2)	ND (1.0)	---	---	365	---	---
C-NR1-D	20-Feb-07	ND (0.2)	ND (1.0)	---	---	---	---	---
C-NR1-S	14-Mar-07	ND (0.2)	ND (1.0)	935	8.27	320	760	ND (10)
C-NR1-M	14-Mar-07	ND (0.2)	ND (1.0)	934	8.22	304	760	ND (10)
C-NR1-D	14-Mar-07	ND (0.2)	ND (1.0)	942	8.30	300	730	ND (10)
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-NR3-S	04-Oct-06	ND (0.2)	ND (1.0)	975	8.17	323	715	ND (10)
C-NR3-M	04-Oct-06	ND (0.2)	ND (1.0)	981	8.19	327	705	ND (10)
C-NR3-D	04-Oct-06	ND (0.2)	ND (1.0)	987	8.16	331	735	ND (10)
C-NR3-S	16-Nov-06	ND (0.2)	ND (1.0)	---	---	370	---	---
C-NR3-M	16-Nov-06	ND (0.2)	ND (1.0)	---	---	350	---	---
C-NR3-D	16-Nov-06	ND (0.2)	ND (1.0)	---	---	350	---	---
C-NR3-S	19-Dec-06	ND (0.2)	ND (1.0)	935	8.03	340	715	ND (10)
C-NR3-M	19-Dec-06	ND (0.2)	ND (1.0)	906	8.08	320	735	ND (10)
C-NR3-D	19-Dec-06	ND (0.2)	ND (1.0)	901	8.15	304	685	ND (10)
C-NR3-S	22-Jan-07	ND (0.2)	ND (1.0)	---	---	320	---	---
C-NR3-M	22-Jan-07	ND (0.2)	ND (1.0)	---	---	320	---	---

TABLE 5
In-Channel Surface Water COC and Additional Parameters Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sample Date	Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L
C-NR3-D	22-Jan-07	ND (0.2)	ND (1.0)	---	---	330	---	---
C-NR3-D	20-Feb-07	ND (0.2)	ND (1.0)	---	---	---	---	---
C-NR3-S	14-Mar-07	ND (0.2)	ND (1.0)	931	8.31	320	755	ND (10)
C-NR3-M	14-Mar-07	ND (0.2)	ND (1.0)	944	8.30	332	740	ND (10)
C-NR3-D	14-Mar-07	ND (0.2)	ND (1.0)	945	8.27	316	740	ND (10)
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-NR4-S	04-Oct-06	ND (0.2)	ND (1.0)	995	8.09	343	740	ND (10)
C-NR4-M	04-Oct-06	ND (0.2)	ND (1.0)	983	8.16	335	730	ND (10)
C-NR4-D	04-Oct-06	ND (0.2)	ND (1.0)	970	8.17	323	710	ND (10)
C-NR4-S	16-Nov-06	ND (0.2)	ND (1.0)	---	---	370	---	---
C-NR4-M	16-Nov-06	ND (0.2)	ND (1.0)	---	---	350	---	---
C-NR4-D	16-Nov-06	ND (0.2)	ND (1.0)	---	---	380	---	---
C-NR4-S	20-Dec-06	ND (0.2)	ND (1.0)	915	8.29	300	670	ND (10)
C-NR4-M	20-Dec-06	ND (0.2)	ND (1.0)	915	8.25	328	645	ND (10)
C-NR4-D	20-Dec-06	ND (0.2)	ND (1.0)	922	8.15	324	660	ND (10)
C-NR4-S	22-Jan-07	ND (0.2)	ND (1.0)	---	---	316	---	---
C-NR4-M	22-Jan-07	ND (0.2)	ND (1.0)	---	---	350	---	---
C-NR4-D	22-Jan-07	ND (0.2)	ND (1.0)	---	---	360	---	---
C-NR4-D	20-Feb-07	ND (0.2)	ND (1.0)	---	---	---	---	---
C-NR4-S	14-Mar-07	ND (0.2)	ND (1.0)	943	8.28	332	745	ND (10)
C-NR4-M	14-Mar-07	ND (0.2)	ND (1.0)	947	8.31	332	755	ND (10)
C-NR4-D	14-Mar-07	ND (0.2)	ND (1.0)	946	8.30	316	765	ND (10)
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)

TABLE 5
In-Channel Surface Water COC and Additional Parameters Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sample Date	Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L
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-R22-S	03-Oct-06	ND (0.2)	ND (1.0)	946	8.16	309	705	ND (10)
C-R22-M	03-Oct-06	ND (0.2)	ND (1.0)	975	8.16	313	690	ND (10)
C-R22-D	03-Oct-06	ND (0.2)	ND (1.0)	964	8.15	305	720	ND (10)
C-R22-S	15-Nov-06	ND (0.2)	ND (1.0)	---	---	325	---	---
C-R22-M	15-Nov-06	ND (0.2)	ND (1.0)	---	---	340	---	---
C-R22-D	15-Nov-06	ND (0.2)	ND (1.0)	---	---	350	---	---
C-R22-S	19-Dec-06	ND (0.2)	ND (1.0)	940	8.15	332	730	ND (10)
C-R22-M	19-Dec-06	ND (0.2)	ND (1.0)	892	8.03	312	675	ND (10)
C-R22-D	19-Dec-06	ND (0.2)	ND (1.0)	927	8.31	356	750	ND (10)
C-R22-S	23-Jan-07	ND (0.2)	ND (1.0)	---	---	345	---	---
C-R22-M	23-Jan-07	ND (0.2)	ND (1.0)	---	---	370	---	---
C-R22-D	23-Jan-07	ND (0.2)	ND (1.0)	---	---	365	---	---
C-R22-D	20-Feb-07	ND (0.2)	ND (1.0)	---	---	---	---	---
C-R22-S	13-Mar-07	ND (0.2)	ND (1.0)	937	8.18	328	750 J	ND (10)
C-R22-M	13-Mar-07	ND (0.2)	ND (1.0)	934	8.30	324	720 J	ND (10)
C-R22-D	13-Mar-07	ND (0.2)	ND (1.0)	941	8.25	332	740 J	ND (10)
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-R27-S	03-Oct-06	ND (0.2)	ND (1.0)	931	8.10	333	615	ND (10)
C-R27-M	03-Oct-06	ND (0.2)	ND (1.0)	944	8.11	297	630	ND (10)
C-R27-D	03-Oct-06	ND (0.2)	ND (1.0)	946	8.11	297	615	ND (10)
C-R27-S	16-Nov-06	ND (0.2)	ND (1.0)	---	---	350	---	---
C-R27-D	16-Nov-06	ND (0.2)	ND (1.0)	---	---	350	---	---
C-R27-M	19-Dec-06	ND (0.2)	ND (1.0)	873	8.25	320	695	ND (10)
C-R27-S	23-Jan-07	ND (0.2)	ND (1.0)	---	---	370	---	---
C-R27-M	23-Jan-07	ND (0.2)	ND (1.0)	---	---	365	---	---
C-R27-D	23-Jan-07	ND (0.2)	ND (1.0)	---	---	325	---	---

TABLE 5
In-Channel Surface Water COC and Additional Parameters Sampling Results, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sample Date	Hexavalent Chromium (µg/L)	Dissolved Total Chromium (µg/L)	Specific Conductance (µS/cm)	pH	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L
C-R27-D	20-Feb-07	ND (0.2)	ND (1.0)	---	---	---	---	---
C-R27-S	13-Mar-07	ND (0.2)	ND (1.0)	949	8.31	352	730 J	ND (10)
C-R27-M	13-Mar-07	ND (0.2)	ND (1.0)	953	8.34	340	735 J	ND (10)
C-R27-D	13-Mar-07	ND (0.2)	ND (1.0)	948	8.33	336	740 J	ND (10)
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)
C-TAZ-S	03-Oct-06	ND (0.2)	ND (1.0)	956	8.14	309	665	ND (10)
C-TAZ-M	03-Oct-06	ND (0.2)	ND (1.0)	955	8.15	309	680	ND (10)
C-TAZ-D	03-Oct-06	ND (0.2)	ND (1.0)	926	8.15	329	640	ND (10)
C-TAZ-S	15-Nov-06	ND (0.2)	ND (1.0)	---	---	340	---	---
C-TAZ-M	15-Nov-06	ND (0.2)	ND (1.0)	---	---	345	---	---
C-TAZ-D	15-Nov-06	ND (0.2)	ND (1.0)	---	---	380	---	---
C-TAZ-S	19-Dec-06	ND (0.2)	ND (1.0)	897	8.30	316	700	ND (10)
C-TAZ-M	19-Dec-06	ND (0.2)	ND (1.0)	886	8.24	316	700	ND (10)
C-TAZ-D	19-Dec-06	ND (0.2)	ND (1.0)	920	8.13	312	695	ND (10)
C-TAZ-S	23-Jan-07	ND (0.2)	ND (1.0)	---	---	350	---	---
C-TAZ-M	23-Jan-07	ND (0.2)	ND (1.0)	---	---	345	---	---
C-TAZ-D	23-Jan-07	ND (0.2)	ND (1.0)	---	---	350	---	---
C-TAZ-D	20-Feb-07	ND (0.2)	ND (1.0)	---	---	---	---	---
C-TAZ-S	13-Mar-07	ND (0.2)	ND (1.0)	922	8.31	336	700 J	ND (10)
C-TAZ-M	13-Mar-07	ND (0.2)	ND (1.0)	941	8.35	324	710 J	ND (10)
C-TAZ-D	13-Mar-07	ND (0.2)	ND (1.0)	936	8.33	324	690 J	ND (10)

TABLE 5
In-Channel Surface Water COC and Additional Parameters Sampling Results, March 2006 through March 2007
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NOTES:

µg/L micrograms per liter
µS/cm microSiemens per centimeter
ND not detected at listed reporting limit
(---) data not collected or not available
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 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 a shallow water column at the location.

In October 2006 river samples C-MAR-S and C-MAR-D were not collected due to a shallow water column at the location.

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

In December 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 January 2007, river samples were not collected at C-MAR-S and C-MAR-D due to shallow water column at locations.

In March 2007, river sample was not collected at C-MAR-M due to shallow water column at location.

A one-time river sampling event of only the deep locations in the 9 in-channel stations was conducted on February 20, 2007.

TABLE 6
Title 22 Metal Results, September 2004 through March 2007
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		21-Sep-04	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		17-Dec-04	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		08-Mar-05	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	08-Mar-05	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		16-Jun-05	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		03-Oct-05	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-Dec-05	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		06-Mar-06	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		04-May-06	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-10		12-Oct-06	ND (2.0)	9.20	58.4	ND (1.0)	ND (1.0)	ND (1.0)	**2480**	ND (1.0)	ND (1.0)	ND (0.2)	169	2.31	3.64	ND (1.0)	ND (1.0)	42.1	ND (10)
MW-10		14-Dec-06	ND (2.0)	**11.7**	53.4	ND (1.0)	ND (1.0)	ND (1.0)	**3040**	1.30	1.26	ND (0.2)	245	2.05	3.25	ND (1.0)	ND (1.0)	51.4	ND (10)
MW-10		06-Mar-07	ND (2.0)	7.77	60.9	ND (1.0)	ND (1.0)	ND (1.0)	**1700**	ND (1.0)	ND (1.0)	ND (0.2)	130	1.65	4.06	ND (1.0)	ND (1.0)	36.1	ND (10)
MW-11		21-Sep-04	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		17-Dec-04	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		08-Mar-05	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		16-Jun-05	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		03-Oct-05	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-Dec-05	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		06-Mar-06	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		09-May-06	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-11		12-Oct-06	ND (2.0)	1.65	41.4	ND (1.0)	ND (1.0)	ND (1.0)	**339**	ND (1.0)	ND (1.0)	ND (0.2)	8.81	ND (1.0)	6.17	ND (1.0)	ND (1.0)	8.71	ND (10)
MW-12		20-Sep-04	**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		10-Mar-05	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	10-Mar-05	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		13-Jun-05	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		16-Sep-05	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		04-Oct-05	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	04-Oct-05	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		13-Dec-05	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		18-Apr-06	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		01-May-06	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-12		04-Oct-06	ND (2.0)	**84.8**	81.1	ND (1.0)	ND (1.0)	ND (1.0)	**1790**	4.24	ND (1.0)	ND (0.2)	35.9	1.72	4.56	ND (1.0)	ND (1.0)	30.4	ND (10)
MW-12		13-Dec-06	ND (2.0)	**88.7**	72.0	ND (1.0)	ND (1.0)	ND (1.0)	**1880**	ND (1.0)	ND (1.0)	ND (0.2)	32.2	2.40	5.54	ND (1.0)	ND (1.0)	31.2	22.4
MW-12		06-Mar-07	ND (2.0)	**81.9**	78.8	ND (1.0)	ND (1.0)	ND (1.0)	**2440**	ND (1.0)	ND (1.0)	ND (0.2)	28.3	2.70	5.72	ND (1.0)	ND (1.0)	28.6	ND (10)
MW-20-70		24-Sep-04	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		16-Dec-04	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		10-Mar-05	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		15-Jun-05	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	15-Jun-05	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

TABLE 6
Title 22 Metal Results, September 2004 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Well ID	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
California MCL:		6	10 ^	1000	4	5	NE	50	1000 *	NE	2	NE	100	50	100*	2	NE	5000 *
MW-20-70	11-Oct-05	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	15-Dec-05	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	10-Mar-06	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	05-May-06	ND (2.0)	2.01	39.9	ND (1.0)	ND (1.0)	ND (1.0)	**4670**	ND (1.0)	ND (1.0)	ND (0.2)	22.4	ND (1.0)	10.1	ND (1.0)	ND (1.0)	9.66	ND (10) J
MW-20-70	03-Oct-06	ND (2.0)	1.92	37.8	ND (1.0)	ND (1.0)	ND (1.0)	**3390**	ND (1.0)	ND (1.0)	ND (0.2)	28.9	ND (1.0)	11.1	ND (1.0)	ND (1.0)	9.61	ND (10)
MW-20-70 FD	03-Oct-06	ND (2.0)	1.79	37.3	ND (1.0)	ND (1.0)	ND (1.0)	**3330**	ND (1.0)	ND (1.0)	ND (0.2)	27.1	ND (1.0)	10.9	ND (1.0)	ND (1.0)	9.26	ND (10)
MW-20-70	13-Dec-06	ND (2.0)	1.78	35.4	ND (1.0)	ND (1.0)	ND (1.0)	**3120**	ND (1.0)	ND (1.0)	ND (0.2)	23.6	ND (1.0)	12.2	ND (1.0)	ND (1.0)	8.89	ND (10)
MW-20-70	14-Mar-07	ND (2.0)	1.79	34.3	ND (1.0)	ND (1.0)	ND (1.0)	**2720**	ND (1.0)	ND (1.0)	ND (0.2)	25.9	1.20	11.5	ND (1.0)	ND (1.0)	8.96	ND (10)
MW-20-130	24-Sep-04	ND (5.0)	ND (10)	40.3	ND (3.0)	ND (3.0)	ND (3.0)	**7000**	15.0	ND (5.0)	ND (0.2)	47.2	ND (5.0)	23.0	ND (3.0)	ND (15)	ND (3.0)	43.7
MW-20-130	27-Jan-05	ND (5.0)	ND (10)	26.8	ND (3.0)	ND (3.0)	ND (3.0)	**8410**	ND (5.0)	ND (2.1)	ND (0.2)	44.4	ND (5.0)	13.0	ND (3.0)	ND (15)	11.6	24.6
MW-20-130	09-Mar-05	ND (5.0)	ND (10)	21.5	ND (3.1)	ND (3.1)	ND (3.1)	**8170**	ND (5.0)	ND (2.1)	ND (0.2)	33.6	ND (5.0)	ND (10)	ND (3.1)	ND (15)	172	84.5 J
MW-20-130 FD	09-Mar-05	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	15-Jun-05	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	07-Oct-05	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	16-Dec-05	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	10-Mar-06	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	05-May-06	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-20-130	18-Oct-06	ND (2.0)	6.20	26.8	ND (1.0)	ND (1.0)	ND (1.0)	**16400**	ND (1.0)	ND (1.0)	ND (0.2)	45.5	ND (1.0)	13.6	ND (1.0)	ND (1.0)	3.87	10.2
MW-20-130	13-Dec-06	ND (2.0)	5.56	25.5	ND (1.0)	ND (1.0)	ND (1.0)	**10500**	ND (1.0)	ND (1.0)	ND (0.2)	44.5	ND (1.0)	13.9	ND (1.0)	ND (1.0)	3.42	ND (10)
MW-20-130 FD	13-Dec-06	ND (2.0)	5.53	25.1	ND (1.0)	ND (1.0)	ND (1.0)	**10700**	ND (1.0)	ND (1.0)	ND (0.2)	44.0	ND (1.0)	13.6	ND (1.0)	ND (1.0)	3.40	ND (10)
MW-20-130	08-Mar-07	ND (2.0)	5.52	25.0	ND (1.0)	ND (1.0)	1.09	**11900**	ND (1.0)	ND (1.0)	ND (0.2)	43.8	ND (1.0)	16.1	ND (1.0)	ND (1.0)	2.74	ND (10)
MW-20-130 FD	08-Mar-07	ND (2.0)	5.44	25.2	ND (1.0)	ND (1.0)	ND (1.0)	**12100**	ND (1.0)	ND (1.0)	ND (0.2)	44.0	ND (1.0)	15.7	ND (1.0)	ND (1.0)	2.80	ND (10)
MW-25	22-Sep-04	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	09-Mar-05	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	14-Jun-05	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	14-Jun-05	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	04-Oct-05	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	04-Oct-05	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	14-Dec-05	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	14-Dec-05	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	09-Mar-06	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	03-May-06	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	03-May-06	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-25	03-Oct-06	ND (2.0)	2.08	39.6	ND (1.0)	ND (1.0)	ND (1.0)	**1150**	ND (1.0)	ND (1.0)	ND (0.2)	3.50	3.62	2.37	ND (1.0)	ND (1.0)	11.2	ND (10)
MW-25	06-Mar-07	ND (2.0)	1.91	41.3	ND (1.0)	ND (1.0)	ND (1.0)	**951**	ND (1.0)	ND (1.0)	ND (0.2)	3.36	1.22	2.04	ND (1.0)	ND (1.0)	11.1	ND (10)
MW-34-55	22-Sep-04	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	15-Dec-04	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	10-Mar-05	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	05-Oct-05	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

TABLE 6
Title 22 Metal Results, September 2004 through March 2007
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-34-55	14-Dec-05	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	08-Mar-06	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	03-May-06	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-34-55	04-Oct-06	ND (2.0)	4.83	18.6	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.2)	25.2	1.22	ND (1.0)	ND (1.0)	ND (1.0)	2.37	ND (10)
MW-34-80	23-Sep-04	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	23-Sep-04	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	13-Dec-04	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	08-Mar-05	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	30-Jun-05	ND (2.0)	2.09	46.4	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	05-Oct-05	ND (2.0)	2.06	ND (300)	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	14-Dec-05	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	09-Mar-06	ND (2.0)	2.19	39.6	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	03-May-06	ND (2.0)	1.91	39.6	ND (1.0) J	ND (1.0)	1.34	ND (1.0)	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-34-80	04-Oct-06	ND (2.0)	1.68	33.3	ND (1.0)	ND (1.0)	1.22	ND (1.0)	1.10	ND (1.0)	ND (0.2)	13.0	1.66	ND (1.0)	ND (1.0)	ND (1.0)	2.34	ND (10)
MW-34-80	12-Dec-06	ND (2.0)	1.39	30.4	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.2)	13.0	1.00	ND (1.0)	ND (1.0)	ND (1.0)	1.60	ND (10)
MW-34-80	05-Mar-07	ND (2.0)	1.30	29.9	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.2)	13.3	1.53	ND (1.0)	ND (1.0)	ND (1.0)	1.61	ND (10)
MW-37D	24-Sep-04	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	24-Sep-04	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	14-Dec-04	ND (5.0)	ND (10)	46.4	ND (3.1)	ND (3.1)	ND (3.1)	**1490**	ND (5.0)	ND (2.1)	ND (0.2)	43.3	ND (5.0)	ND (10)	ND (3.1)	ND (15)	31.4 J	33.0 J
MW-37D FD	14-Dec-04	ND (5.0)	ND (10)	49.9	ND (3.1)	ND (3.1)	ND (3.1)	**1440**	ND (5.0)	ND (2.1)	ND (0.2)	44.6	8.30	ND (10)	ND (3.1)	ND (15)	20.5 J	91.8 J
MW-37D	11-Mar-05	ND (5.0)	ND (10)	53.9	ND (3.1)	ND (3.1)	ND (3.1)	**1540**	ND (5.0)	ND (2.1)	ND (0.2)	34.1	9.20	ND (10)	ND (3.1)	ND (15)	326	38.7
MW-37D	15-Jun-05	ND (2.0)	3.63	54.9	ND (1.0)	ND (1.0)	ND (1.0)	**1420**	ND (1.0)	ND (1.0)	ND (0.2)	51.8	25.4	3.10	ND (1.0)	ND (1.0)	4.00	11.0
MW-37D	04-Oct-05	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	14-Dec-05	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	13-Mar-06	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	03-May-06	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)
MW-37D	13-Oct-06	ND (2.0)	3.67	42.2	ND (1.0)	ND (1.0)	ND (1.0)	**1160**	ND (1.0)	ND (1.0)	ND (0.2)	48.3	ND (1.0)	3.00	ND (1.0)	ND (1.0)	6.08	ND (10)
MW-37D	14-Dec-06	ND (2.0)	3.17	39.8	ND (1.0)	ND (1.0)	ND (1.0)	**1130**	ND (1.0)	ND (1.0)	ND (0.2)	44.3	ND (1.0)	2.86	ND (1.0)	ND (1.0)	6.14	26.6
MW-37D	07-Mar-07	ND (2.0)	3.17	40.9	ND (1.0)	ND (1.0)	1.17	**1310**	ND (1.0)	ND (1.0)	ND (0.2)	45.1	ND (1.0)	3.42	ND (1.0)	ND (1.0)	5.03	ND (10)

TABLE 6
Title 22 Metal Results, September 2004 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

NOTES:

ND not detected at listed reporting limit
FD field duplicate sample
J concentration or reporting limit estimated by laboratory or data validation
^ U.S. Environmental Protection Agency (USEPA) MCL as of January 23, 2006
NE not established

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. California Division of Drinking Water and Environmental Management is proceeding the regulatory and adoption process."

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 * .

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.

Groundwater samples from MW-34-55 in June 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 7
Manual Water Level Measurements, March 2006 through March 2007
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	07-Mar-06	11:17 AM	81.00	0.20	455.54
			12-Oct-06	7:54 AM	80.05	0.20	456.48
MW-10	97	530.65	06-Mar-06	11:30 AM	75.28	0.20	455.32
			04-May-06	9:12 AM	74.36	0.20	456.23
			12-Oct-06	9:05 AM	74.35	0.20	456.24
			14-Dec-06	1:19 PM	75.10	0.20	455.50
			06-Mar-07	7:55 AM	75.34	0.20	455.26
MW-11	86	522.61	06-Mar-06	12:25 PM	67.34	0.16	455.21
			09-May-06	12:47 PM	66.31	0.16	456.24
			12-Oct-06	1:14 PM	66.37	0.16	456.18
MW-12	50	484.01	18-Apr-06	11:30 AM	28.76	0.23	455.20
			01-May-06	8:05 AM	28.46	0.23	455.50
			04-Oct-06	7:35 AM	28.46	0.23	455.50
			13-Dec-06	9:45 AM	29.45	0.23	454.51
			06-Mar-07	10:17 AM	29.29	0.23	454.67
MW-13	52	488.64	08-Mar-06	2:10 PM	32.78	0.13	455.80
			02-May-06	7:52 AM	32.38	0.13	456.20
			02-Oct-06	12:33 PM	32.74	0.13	455.84
			05-Mar-07	1:57 PM	114.58	0.13	374.25
MW-14	134	570.99	09-Mar-06	12:14 PM	115.16	0.10	455.77
			02-May-06	9:32 AM	114.41	0.10	456.52
			02-Oct-06	11:48 AM	114.58	0.10	456.35
			12-Mar-07	12:03 PM	115.05	0.10	455.88
MW-15	203	641.52	07-Mar-06	1:15 PM	185.35	0.10	456.11
			05-Oct-06	11:26 AM	184.51	0.10	456.95
MW-16	218	657.31	07-Mar-06	2:08 PM	200.80	0.10	456.45
			01-Nov-06	11:30 AM	200.05	0.10	457.20
MW-17	154	589.96	02-Oct-06	8:23 AM	132.68	0.11	457.20
MW-18	107	545.32	09-Mar-06	11:35 AM	89.06	0.09	456.20
			04-Oct-06	10:53 AM	88.41	0.09	456.85
			12-Mar-07	3:15 PM	88.90	0.09	456.36
MW-19	66	499.92	09-Mar-06	2:05 PM	44.97	0.15	454.89
			02-May-06	2:20 PM	44.19	0.15	455.67
			02-Oct-06	1:15 PM	44.75	0.15	455.11
			15-Dec-06	7:40 AM	45.80	0.15	454.07
			06-Mar-07	1:00 PM	44.96	0.15	454.90
MW-20-70	70	500.15	10-Mar-06	12:53 PM	46.53	0.18	453.56
			05-May-06	8:41 AM	45.60	0.18	454.49
			03-Oct-06	9:15 AM	46.30	0.18	453.79
			13-Dec-06	1:12 PM	47.12	0.18	452.97
			14-Mar-07	8:40 AM	46.26	0.18	453.83
MW-20-100	101	500.58	10-Mar-06	10:42 AM	46.27	0.28	454.20
			05-May-06	9:59 AM	46.40	0.28	454.07
			03-Oct-06	8:15 AM	46.90	0.28	453.57

TABLE 7
Manual Water Level Measurements, March 2006 through March 2007
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-20-100	101	500.58	13-Dec-06	11:16 AM	47.95	0.28	452.53
			14-Mar-07	7:45 AM	47.00	0.28	453.47
MW-20-130	132	500.66	10-Mar-06	11:45 AM	47.91	0.64	452.80
			05-May-06	10:15 AM	47.00	0.64	453.69
			18-Oct-06	12:15 PM	48.09	0.64	452.62
			13-Dec-06	1:27 PM	48.62	0.64	452.09
			08-Mar-07	10:50 AM	49.90	0.64	450.80
MW-21	58	505.55	09-Mar-06	2:37 PM	50.51	0.83	455.06
			01-May-06	10:13 AM	50.14	0.83	455.43
			03-Oct-06	2:02 PM	49.80	0.83	455.77
			12-Dec-06	8:44 AM	51.12	0.83	454.45
			08-Mar-07	8:10 AM	51.23	0.83	454.33
MW-22	12	460.72	15-Mar-06	9:13 AM	6.45	2.60	454.37
			03-May-06	12:34 PM	5.62	2.60	455.21
			13-Oct-06	12:03 PM	6.20	2.60	454.62
			08-Mar-07	8:38 AM	6.32	2.60	454.49
MW-23	81	507.33	08-Mar-06	1:38 PM	52.77	1.22	454.70
			01-May-06	9:31 AM	51.83	1.22	455.65
			04-Oct-06	6:36 AM	52.10	1.22	455.37
			12-Dec-06	7:47 AM	53.25	1.22	454.22
			06-Mar-07	12:15 PM	52.80	1.22	454.67
			02-May-07	7:30 AM	51.58	1.22	455.90
MW-24A	127	567.16	06-Mar-06	1:18 PM	111.24	0.23	455.88
			03-Oct-06	12:15 PM	111.00	0.23	456.12
			14-Dec-06	12:21 AM	111.82	0.23	455.30
			06-Mar-07	9:40 AM	111.92	0.23	455.20
MW-24B	215	564.76	07-Mar-06	11:05 AM	109.53	1.00	455.52
			03-Oct-06	11:14 AM	108.67	1.00	456.38
			14-Dec-06	10:47 AM	109.60	1.00	455.45
			05-Mar-07	12:35 PM	109.53	1.00	455.52
MW-24BR	441	563.95	16-Mar-06	9:00 AM	114.53	1.03	450.24
			09-May-06	2:16 PM	103.33	1.03	461.46
			01-Jun-06	7:20 AM	102.10	1.03	462.70
			01-Nov-06	7:50 AM	107.65	1.03	457.13
			14-Dec-06	8:17 AM	108.33	1.03	456.45
			05-Mar-07	11:15 AM	108.48	1.03	456.30
MW-25	107	542.90	09-Mar-06	12:52 PM	87.97	0.09	454.87
			03-May-06	1:28 PM	87.30	0.09	455.54
			03-Oct-06	7:24 AM	87.27	0.09	455.57
			06-Mar-07	2:00 PM	87.98	0.09	454.86
MW-26	70	502.22	08-Mar-06	12:29 PM	47.65	0.23	454.52
			01-May-06	10:15 AM	46.81	0.23	455.35
			03-Oct-06	2:07 PM	47.00	0.23	455.16
			12-Mar-07	1:17 PM	47.42	0.23	454.74
MW-27-20	14	460.56	06-Mar-06	10:19 AM	5.59	0.07	454.96

TABLE 7
Manual Water Level Measurements, March 2006 through March 2007
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-27-20	14	460.56	01-May-06	2:09 PM	5.15	0.07	455.40
			14-Jun-06	10:30 AM	4.11	0.07	456.44
			03-Oct-06	7:30 AM	5.59	0.07	454.96
MW-27-60	59	461.38	07-Mar-06	10:24 AM	6.74	0.75	454.82
			01-May-06	9:29 AM	5.81	0.75	455.72
			03-Oct-06	8:44 AM	6.60	0.75	454.96
MW-27-85	80	460.99	06-Mar-06	11:12 AM	6.68	1.35	454.92
			03-Apr-06	1:50 PM	6.95	1.35	454.64
			01-May-06	12:51 PM	6.32	1.35	455.27
			14-Jun-06	9:29 AM	5.08	1.35	456.51
			12-Jul-06	5:50 AM	5.15	1.35	456.43
			08-Aug-06	5:48 AM	6.65	1.35	454.91
			06-Sep-06	10:30 AM	6.70	1.35	454.85
			13-Oct-06	10:55 AM	7.56	1.35	453.98
			16-Nov-06	9:18 AM	8.44	1.35	453.12
			11-Dec-06	10:44 AM	6.60	1.35	454.97
			10-Jan-07	10:10 AM	7.96	1.35	453.60
			06-Feb-07	8:58 AM	8.01	1.35	453.55
			07-Mar-07	10:10 AM	6.81	1.35	454.76
MW-28-25	21	466.85	09-Mar-06	9:19 AM	11.65	0.08	455.19
			05-May-06	9:07 AM	10.55	0.08	456.28
			11-Oct-06	11:33 AM	12.39	0.08	454.44
MW-28-90	98	467.51	06-Mar-06	2:02 PM	13.24	0.53	454.41
			06-Apr-06	11:14 AM	12.04	0.53	455.62
			05-May-06	8:33 AM	11.67	0.53	455.99
			15-Jun-06	8:33 AM	11.18	0.53	456.48
			13-Jul-06	7:15 AM	10.93	0.53	456.74
			11-Aug-06	5:29 AM	11.53	0.53	456.14
			08-Sep-06	7:34 AM	13.40	0.53	454.27
			13-Oct-06	8:14 AM	12.82	0.53	454.85
			14-Dec-06	8:07 AM	13.98	0.53	453.68
			08-Mar-07	12:30 PM	12.94	0.53	454.72
MW-29	42	485.21	13-Apr-06	9:47 AM	29.47	0.28	455.73
			05-May-06	9:55 AM	29.21	0.28	455.99
			13-Oct-06	7:10 AM	30.25	0.28	454.95
MW-30-30	27	468.12	13-Mar-06	11:55 AM	14.27	3.20	454.10
			02-May-06	8:56 AM	13.07	3.20	455.32
			10-Oct-06	12:51 PM	14.09	3.20	454.28
MW-30-50	53	468.81	09-Mar-06	12:35 PM	14.72	0.50	454.11
			02-May-06	8:05 AM	13.30	0.50	455.53
			11-Oct-06	7:17 AM	14.40	0.50	454.43
MW-31-60	64	496.81	15-Mar-06	2:52 PM	42.43	0.17	454.32
			01-May-06	11:13 AM	41.42	0.17	455.33
			05-Oct-06	2:20 PM	42.18	0.17	454.57
			12-Mar-07	2:10 PM	41.96	0.17	454.79

TABLE 7
Manual Water Level Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

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Monitoring Wells							
MW-31-135	135	498.11	15-Mar-06	9:43 AM	44.34	0.58	453.80
			08-May-06	9:02 AM	43.00	0.58	455.14
			05-Oct-06	1:10 PM	44.38	0.58	453.75
			08-Mar-07	12:50 PM	44.30	0.58	453.83
MW-32-20	20	461.51	10-Mar-06	10:42 AM	7.32	3.50	454.46
			04-May-06	11:39 AM	6.29	3.50	455.52
			02-Oct-06	11:56 AM	7.28	3.50	454.49
			11-Dec-06	1:51 PM	7.98	3.50	453.78
			06-Mar-07	1:54 PM	7.24	3.50	454.55
MW-32-35	37	461.63	10-Mar-06	11:08 AM	7.03	1.20	454.77
			04-May-06	10:37 AM	6.13	1.20	455.68
			02-Oct-06	12:55 PM	7.31	1.20	454.49
			11-Dec-06	1:01 PM	7.58	1.20	454.21
			06-Mar-07	12:58 PM	7.06	1.20	454.74
MW-33-40	42	487.38	09-Mar-06	11:22 AM	32.60	0.35	454.77
			04-May-06	2:50 PM	31.90	0.35	455.47
			06-Oct-06	7:26 AM	32.15	0.35	455.22
			14-Dec-06	2:23 PM	33.36	0.35	454.01
			06-Mar-07	11:45 AM	32.42	0.35	454.95
MW-33-90	88	487.55	08-Mar-06	9:45 AM	32.70	0.53	454.87
			03-May-06	2:30 PM	32.13	0.53	455.43
			06-Oct-06	7:06 AM	32.34	0.53	455.21
			15-Dec-06	7:57 AM	33.75	0.53	453.83
			05-Mar-07	10:20 AM	32.71	0.53	454.86
MW-33-150	155	487.77	08-Mar-06	8:50 AM	33.50	1.14	454.85
			06-Apr-06	1:06 PM	32.82	1.14	455.53
			03-May-06	1:20 PM	32.85	1.14	455.49
			16-Jun-06	5:35 AM	31.63	1.14	456.73
			13-Jul-06	8:39 AM	32.04	1.14	456.30
			11-Aug-06	6:23 AM	32.30	1.14	456.06
			08-Sep-06	5:46 AM	33.45	1.14	454.91
			06-Oct-06	11:58 AM	33.43	1.14	454.92
			13-Dec-06	1:50 PM	34.22	1.14	454.07
			06-Mar-07	12:40 PM	33.32	1.14	454.99
MW-33-210	223	487.25	06-Mar-06	12:25 PM	33.31	1.38	455.11
			13-Apr-06	12:30 PM	32.68	1.38	455.74
			05-May-06	6:43 AM	31.93	1.38	456.50
			16-Jun-06	6:22 AM	31.64	1.38	456.80
			13-Jul-06	8:15 AM	31.78	1.38	456.66
			08-Aug-06	10:30 AM	32.62	1.38	455.81
			08-Sep-06	5:00 AM	33.07	1.38	455.36
			06-Oct-06	10:31 AM	33.06	1.38	455.37
			11-Dec-06	8:53 AM	33.40	1.38	455.08
			05-Mar-07	1:23 PM	32.83	1.38	455.66
MW-34-55	57	460.95	08-Mar-06	12:04 PM	6.56	0.35	454.41

TABLE 7
Manual Water Level Measurements, March 2006 through March 2007
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-34-55	57	460.95	03-May-06	7:05 AM	4.75	0.35	456.23
			04-Oct-06	8:13 AM	6.01	0.35	454.98
MW-34-80	84	461.20	09-Mar-06	9:58 AM	6.63	0.94	454.94
			03-Apr-06	11:25 AM	7.12	0.94	454.45
			03-May-06	8:28 AM	5.15	0.94	456.43
			14-Jun-06	6:59 AM	4.57	0.94	457.00
			12-Jul-06	7:33 AM	5.27	0.94	456.29
			08-Aug-06	8:27 AM	5.88	0.94	455.64
			06-Sep-06	8:24 AM	6.65	0.94	454.86
			04-Oct-06	11:32 AM	7.79	0.94	453.71
			16-Nov-06	10:10 AM	8.50	0.94	453.01
			12-Dec-06	10:06 AM	7.02	0.94	454.52
			09-Jan-07	8:30 AM	8.04	0.94	453.52
			05-Feb-07	9:30 AM	8.01	0.94	453.57
			05-Mar-07	11:33 AM	6.32	0.94	455.24
MW-34-100	117	460.96	08-Mar-06	1:35 PM	7.43	1.18	454.27
			23-Mar-06	9:04 AM	7.39	1.18	454.31
			03-Apr-06	12:53 PM	7.48	1.18	454.22
			03-May-06	10:37 AM	6.40	1.18	455.30
			17-May-06	12:22 PM	6.24	1.18	455.46
			31-May-06	7:49 AM	5.03	1.18	456.65
			14-Jun-06	8:23 AM	5.09	1.18	456.60
			28-Jun-06	8:20 AM	5.40	1.18	456.26
			12-Jul-06	6:50 AM	5.53	1.18	456.13
			26-Jul-06	6:00 AM	5.31	1.18	456.33
			08-Aug-06	7:07 AM	6.05	1.18	455.56
			28-Aug-06	2:12 PM	7.80	1.18	453.75
			06-Sep-06	7:00 AM	6.65	1.18	454.94
			20-Sep-06	9:16 AM	7.39	1.18	454.19
			04-Oct-06	8:50 AM	7.11	1.18	454.47
			18-Oct-06	12:15 PM	7.65	1.18	453.93
			01-Nov-06	11:06 AM	7.65	1.18	453.95
			16-Nov-06	8:30 AM	8.75	1.18	452.87
			30-Nov-06	10:17 AM	9.25	1.18	452.38
			12-Dec-06	12:24 AM	7.53	1.18	454.12
			28-Dec-06	9:45 AM	8.50	1.18	453.17
			09-Jan-07	9:58 AM	8.47	1.18	453.20
			24-Jan-07	11:35 AM	8.30	1.18	453.38
			05-Feb-07	10:55 AM	8.42	1.18	453.28
			21-Feb-07	11:10 AM	7.25	1.18	454.46
			07-Mar-07	8:35 AM	7.18	1.18	454.54
			21-Mar-07	9:30 AM	6.70	1.18	455.03
MW-35-60	57	484.19	14-Mar-06	1:46 PM	29.22	0.55	454.99
			01-May-06	12:05 PM	28.25	0.55	455.95
			12-Oct-06	1:21 PM	29.60	0.55	454.61
			08-Mar-07	2:20 PM	28.91	0.55	455.29

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Monitoring Wells							
MW-35-135	159	484.08	10-Mar-06	12:27 PM	29.70	0.70	454.58
			02-May-06	3:12 PM	28.14	0.70	456.12
			12-Oct-06	12:25 PM	29.05	0.70	455.24
			08-Mar-07	1:45 PM	28.74	0.70	455.54
MW-36-20	23	469.26	07-Mar-06	9:14 AM	---	1.37	---
			01-May-06	8:23 AM	13.77	1.37	455.55
			02-Oct-06	8:24 AM	14.68	1.37	454.63
MW-36-40	43	469.61	07-Mar-06	11:42 AM	15.34	0.84	454.36
			01-May-06	11:24 AM	14.35	0.84	455.34
			05-Oct-06	12:01 PM	15.46	0.84	454.24
MW-36-50	53	469.60	07-Mar-06	10:50 AM	15.14	0.45	454.47
			01-May-06	2:21 PM	14.85	0.45	454.75
			05-Oct-06	7:19 AM	14.76	0.45	454.85
MW-36-70	72	469.25	07-Mar-06	9:54 AM	14.75	0.35	454.47
			06-Apr-06	10:18 AM	13.78	0.35	455.45
			01-May-06	8:23 AM	13.65	0.35	455.56
			13-Jun-06	7:36 AM	13.21	0.35	456.00
			11-Jul-06	10:07 AM	13.91	0.35	455.29
			09-Aug-06	8:21 AM	14.02	0.35	455.21
			07-Sep-06	5:45 AM	14.25	0.35	454.98
			02-Oct-06	9:27 AM	14.75	0.35	454.46
			14-Dec-06	10:48 AM	16.00	0.35	453.23
			07-Mar-07	10:40 AM	14.58	0.35	454.65
MW-36-90	92	469.61	07-Mar-06	12:25 PM	16.22	0.50	453.45
			04-Apr-06	2:05 PM	14.53	0.50	455.14
			01-May-06	12:19 PM	15.50	0.50	454.13
			13-Jun-06	6:53 AM	14.22	0.50	455.43
			11-Jul-06	8:35 AM	15.50	0.50	454.16
			09-Aug-06	6:30 AM	15.00	0.50	454.68
			07-Sep-06	6:52 AM	15.01	0.50	454.67
			02-Oct-06	12:00 PM	16.10	0.50	453.55
			14-Nov-06	10:04 AM	17.24	0.50	452.44
			14-Dec-06	9:30 AM	16.08	0.50	453.60
			10-Jan-07	11:45 AM	17.23	0.50	452.43
		469.64	05-Feb-07	12:35 PM	17.25	0.50	452.44
			07-Mar-07	8:08 AM	16.03	0.50	453.67
MW-36-100	110	469.64	13-Mar-06	2:05 PM	16.94	1.10	453.15
			05-Apr-06	11:01 AM	16.36	1.10	453.74
			02-May-06	3:00 PM	15.64	1.10	454.45
			15-Jun-06	9:28 AM	14.64	1.10	455.47
			13-Jul-06	4:55 AM	14.35	1.10	455.77
			09-Aug-06	5:39 AM	15.04	1.10	455.08
			08-Sep-06	8:20 AM	16.62	1.10	453.49
			11-Oct-06	9:53 AM	16.29	1.10	453.81
			14-Nov-06	12:45 PM	17.50	1.10	452.57
			11-Dec-06	11:30 AM	16.24	1.10	453.84

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Monitoring Wells							
MW-36-100	110	469.64	10-Jan-07	11:34 AM	17.32	1.10	452.75
			05-Feb-07	1:18 PM	17.39	1.10	452.68
			08-Mar-07	1:47 PM	16.27	1.10	453.83
MW-37D	227	486.19	13-Mar-06	10:40 AM	31.70	1.02	455.03
			03-May-06	2:40 PM	30.68	1.02	456.05
			13-Oct-06	9:19 AM	31.02	1.02	455.71
			14-Dec-06	2:09 PM	31.90	1.02	454.83
			07-Mar-07	11:38 AM	31.59	1.02	455.14
MW-37S	87	485.97	13-Mar-06	10:39 AM	31.50	0.27	454.34
			04-May-06	1:22 PM	30.38	0.27	455.45
			13-Oct-06	10:57 AM	38.20	0.27	447.65
			07-Mar-07	12:48 PM	31.21	0.27	454.63
MW-38D	191	525.31	10-Mar-06	8:40 AM	70.95	1.52	455.11
			12-Oct-06	10:40 AM	70.14	1.52	455.93
MW-38S	98	525.51	10-Mar-06	9:18 AM	70.70	0.23	454.74
			12-Oct-06	12:26 PM	69.79	0.23	455.65
MW-39-40	42	468.02	07-Mar-06	2:28 PM	13.94	0.55	454.10
			02-May-06	7:10 AM	12.36	0.55	455.68
			05-Oct-06	11:55 AM	13.98	0.55	454.05
			14-Dec-06	2:08 PM	14.65	0.55	453.39
			05-Mar-07	12:21 PM	13.51	0.55	454.53
MW-39-50	55	467.93	08-Mar-06	9:50 AM	13.74	0.58	454.22
			02-May-06	8:27 AM	12.65	0.58	455.31
			05-Oct-06	9:59 AM	13.80	0.58	454.15
MW-39-60	66	468.00	08-Mar-06	1:12 PM	14.31	0.65	453.77
			02-May-06	8:30 AM	12.95	0.65	455.13
			05-Oct-06	9:07 AM	14.00	0.65	454.08
MW-39-70	72	468.02	08-Mar-06	12:25 PM	14.59	0.65	453.51
			06-Apr-06	8:37 AM	13.40	0.65	454.71
			02-May-06	7:00 AM	13.20	0.65	454.91
			14-Jun-06	5:47 AM	12.35	0.65	455.77
			12-Jul-06	6:40 AM	13.08	0.65	455.03
			10-Aug-06	7:54 AM	13.53	0.65	454.59
			07-Sep-06	10:40 AM	13.23	0.65	454.88
			05-Oct-06	11:55 AM	14.50	0.65	453.61
			14-Dec-06	1:15 PM	14.35	0.65	453.76
			05-Mar-07	11:07 AM	14.50	0.65	453.61
MW-39-80	83	467.92	08-Mar-06	10:53 AM	14.48	1.05	453.74
			06-Apr-06	8:35 AM	13.40	1.05	454.83
			02-May-06	8:28 AM	13.33	1.05	454.89
			14-Jun-06	6:10 AM	12.35	1.05	455.89
			12-Jul-06	5:43 AM	12.99	1.05	455.25
			10-Aug-06	9:35 AM	13.73	1.05	454.51
			07-Sep-06	9:11 AM	13.03	1.05	455.19
			05-Oct-06	9:59 AM	13.94	1.05	454.27

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Monitoring Wells							
MW-39-80	83	467.92	14-Nov-06	11:51 AM	15.52	1.05	452.70
			14-Dec-06	12:10 AM	14.37	1.05	453.86
			10-Jan-07	1:04 PM	15.55	1.05	452.67
			08-Feb-07	1:12 PM	16.14	1.05	452.08
			05-Mar-07	1:12 PM	14.36	1.05	453.87
MW-39-100	118	468.01	13-Mar-06	1:18 PM	15.70	1.40	453.01
			05-Apr-06	11:51 AM	14.40	1.40	454.32
			02-May-06	1:41 PM	14.16	1.40	454.57
			14-Jun-06	11:00 AM	12.83	1.40	455.91
			13-Jul-06	5:41 AM	13.03	1.40	455.70
			10-Aug-06	7:11 AM	13.69	1.40	455.04
			08-Sep-06	9:00 AM	14.92	1.40	453.79
			11-Oct-06	8:53 AM	14.25	1.40	454.46
			15-Nov-06	11:44 AM	15.74	1.40	452.96
			12-Dec-06	1:12 PM	15.15	1.40	453.55
			10-Jan-07	1:07 PM	15.78	1.40	452.92
			08-Feb-07	12:10 PM	16.31	1.40	452.39
			12-Mar-07	9:45 AM	13.64	1.40	455.05
MW-40D	266	566.08	08-Mar-06	11:31 AM	107.73	1.11	458.82
			02-May-06	7:41 AM	110.42	1.11	456.13
			05-Oct-06	9:05 AM	110.50	1.11	456.04
			13-Dec-06	8:12 AM	111.45	1.11	455.09
			09-Mar-07	8:56 AM	111.23	1.11	455.31
MW-40S	134	566.04	08-Mar-06	9:54 AM	108.36	0.13	457.59
			03-May-06	9:50 AM	109.86	0.13	456.09
			05-Oct-06	10:05 AM	109.97	0.13	455.98
MW-41D	313	479.42	15-Mar-06	11:15 AM	24.70	1.38	456.25
			05-May-06	7:24 AM	23.82	1.38	457.13
			04-Oct-06	12:17 PM	24.24	1.38	456.71
			07-Mar-07	1:33 PM	24.29	1.38	456.66
MW-41M	192	479.83	13-Mar-06	1:35 PM	24.66	1.03	455.70
			05-May-06	12:23 PM	23.70	1.03	456.66
			05-Oct-06	6:28 AM	24.08	1.03	456.28
			08-Mar-07	12:20 PM	24.47	1.03	455.89
MW-41S	62	480.07	13-Mar-06	2:36 PM	24.72	0.32	455.29
			05-May-06	1:39 PM	23.70	0.32	456.30
			05-Oct-06	7:30 AM	24.28	0.32	455.73
			08-Mar-07	1:49 PM	24.51	0.32	455.50
MW-42-30	32	463.81	07-Mar-06	12:14 PM	9.63	1.10	454.29
			02-May-06	10:14 AM	8.64	1.10	455.27
			03-Oct-06	10:54 AM	9.53	1.10	454.39
		463.74	07-Mar-07	11:33 AM	9.63	1.10	454.22
MW-42-55	56	463.87	07-Mar-06	1:07 PM	9.78	1.13	454.33
			02-May-06	11:07 AM	8.03	1.13	456.09
			03-Oct-06	11:40 AM	9.68	1.13	454.43

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Monitoring Wells							
MW-42-55	56	463.87	14-Dec-06	10:56 AM	10.43	1.13	453.67
			07-Mar-07	12:39 PM	9.74	1.13	454.37
MW-42-65	80	463.37	07-Mar-06	2:35 PM	9.38	1.21	454.40
			02-May-06	11:47 AM	8.42	1.21	455.34
			03-Oct-06	12:20 PM	9.32	1.21	454.40
			14-Dec-06	10:15 AM	9.99	1.21	453.78
			07-Mar-07	1:35 PM	9.33	1.21	454.45
MW-43-25	27	462.54	10-Mar-06	8:34 AM	7.26	0.07	455.26
			04-May-06	9:11 AM	6.36	0.07	456.15
			02-Oct-06	9:23 AM	7.70	0.07	454.81
			06-Mar-07	11:10 AM	7.47	0.07	455.05
MW-43-75	77	462.71	10-Mar-06	9:16 AM	7.69	1.05	455.42
			03-Apr-06	10:17 AM	8.13	1.05	454.98
			04-May-06	7:45 AM	6.45	1.05	456.67
			02-Oct-06	7:46 AM	8.81	1.05	454.26
			12-Dec-06	8:09 AM	8.39	1.05	454.69
			06-Mar-07	10:34 AM	7.76	1.05	455.35
MW-43-90	102	462.76	10-Mar-06	9:48 AM	8.05	1.50	455.55
			03-Apr-06	9:32 AM	8.30	1.50	455.31
			04-May-06	8:29 AM	6.90	1.50	456.72
			02-Oct-06	8:45 AM	8.22	1.50	455.32
			12-Dec-06	8:47 AM	8.66	1.50	454.90
			06-Mar-07	9:50 AM	7.89	1.50	455.71
MW-44-70	70	471.88	09-Mar-06	2:47 AM	18.70	0.50	453.22
			23-Mar-06	10:56 AM	17.80	0.50	454.12
			05-Apr-06	2:03 PM	16.58	0.50	455.34
			04-May-06	9:50 AM	16.33	0.50	455.59
			13-Jun-06	6:57 AM	15.60	0.50	456.30
			15-Jun-06	7:44 AM	15.55	0.50	456.38
		471.90	04-Oct-06	2:49 PM	17.95	0.50	453.99
			14-Dec-06	9:06 AM	18.32	0.50	453.63
			09-Mar-07	9:19 AM	17.14	0.50	454.81
MW-44-115	114	471.99	14-Mar-06	12:55 PM	19.39	1.05	452.99
			22-Mar-06	1:35 PM	18.82	1.05	453.56
			04-Apr-06	1:15 PM	16.89	1.05	455.53
			20-Apr-06	12:55 PM	17.30	1.05	455.13
			26-Apr-06	11:06 AM	16.21	1.05	456.23
			04-May-06	11:40 AM	17.36	1.05	455.07
			10-May-06	12:25 PM	17.37	1.05	455.07
			17-May-06	9:46 AM	16.74	1.05	455.70
			31-May-06	11:27 AM	17.28	1.05	455.16
			13-Jun-06	9:34 AM	16.69	1.05	455.75
			28-Jun-06	10:08 AM	16.70	1.05	455.75
			12-Jul-06	9:19 AM	17.00	1.05	455.44
			26-Jul-06	9:17 AM	16.90	1.05	455.55
			09-Aug-06	8:56 AM	17.30	1.05	455.14

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Monitoring Wells							
MW-44-115	114	471.99	23-Aug-06	9:40 AM	17.68	1.05	454.76
			07-Sep-06	5:57 AM	17.51	1.05	454.94
			21-Sep-06	10:19 AM	17.94	1.05	454.50
		472.01	05-Oct-06	7:04 AM	17.72	1.05	454.73
			18-Oct-06	9:53 AM	18.30	1.05	454.14
			15-Nov-06	10:48 AM	19.29	1.05	453.15
			12-Dec-06	2:23 PM	18.63	1.05	453.82
			09-Jan-07	2:10 PM	19.35	1.05	453.10
			06-Feb-07	10:05 AM	19.31	1.05	453.14
			09-Mar-07	9:04 AM	18.08	1.05	454.39
MW-44-125	129	471.99	09-Mar-06	1:48 PM	19.10	0.99	453.27
			22-Mar-06	12:20 PM	18.20	0.99	454.18
			05-Apr-06	9:38 AM	16.29	0.99	456.17
			20-Apr-06	8:56 AM	16.80	0.99	455.64
			26-Apr-06	8:33 AM	15.75	0.99	456.70
			04-May-06	6:48 AM	16.39	0.99	456.06
			10-May-06	9:03 AM	16.61	0.99	455.81
			17-May-06	8:15 AM	16.15	0.99	456.30
			31-May-06	8:58 AM	16.53	0.99	455.91
			28-Jun-06	9:15 AM	16.25	0.99	456.21
			11-Jul-06	8:45 AM	16.97	0.99	455.44
			26-Jul-06	7:18 AM	16.38	0.99	456.07
			09-Aug-06	6:40 AM	16.73	0.99	455.72
			28-Aug-06	9:50 AM	17.70	0.99	454.68
			07-Sep-06	6:30 AM	17.41	0.99	455.07
			20-Sep-06	12:36 PM	18.53	0.99	453.94
		472.04	05-Oct-06	7:20 AM	17.38	0.99	455.09
			18-Oct-06	8:24 AM	17.84	0.99	454.69
			15-Nov-06	9:25 AM	18.95	0.99	453.57
			13-Dec-06	8:23 AM	18.43	0.99	454.11
			09-Jan-07	12:28 PM	19.11	0.99	453.40
			06-Feb-07	6:44 AM	19.26	0.99	453.27
			09-Mar-07	7:51 AM	17.61	0.99	454.93
MW-45-095a	97	470.16	24-Mar-06	8:48 AM	17.12	1.04	453.43
MW-45-095b	97	469.65	24-Mar-06	10:36 AM	17.93	1.04	452.11
MW-46-175	182	482.20	14-Mar-06	11:42 AM	29.45	1.26	455.33
			24-Mar-06	8:50 AM	28.20	1.26	456.59
			07-Apr-06	8:55 AM	27.22	1.26	455.97
		482.16	04-May-06	1:18 PM	27.62	1.26	455.50
			18-May-06	12:19 PM	27.36	1.26	455.77
			31-May-06	12:43 PM	27.23	1.26	455.92
			15-Jun-06	6:29 AM	26.41	1.26	456.76
			30-Jun-06	12:48 PM	26.75	1.26	456.37
			12-Jul-06	10:15 AM	26.78	1.26	456.39
			27-Jul-06	7:00 AM	26.75	1.26	456.42
			09-Aug-06	10:31 AM	27.60	1.26	455.56

TABLE 7
Manual Water Level Measurements, March 2006 through March 2007
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-46-175	182	482.16	25-Aug-06	12:10 PM	27.75	1.26	455.42
			07-Sep-06	9:30 AM	27.97	1.26	455.19
			21-Sep-06	8:35 AM	27.70	1.26	455.48
			05-Oct-06	11:40 AM	28.33	1.26	454.82
			18-Oct-06	10:50 AM	28.40	1.26	454.74
			15-Nov-06	1:23 PM	29.34	1.26	453.79
			13-Dec-06	12:46 AM	28.85	1.26	454.28
			10-Jan-07	2:24 PM	29.19	1.26	453.93
			08-Feb-07	10:45 AM	29.73	1.26	453.39
			08-Mar-07	8:22 AM	28.01	1.26	455.13
MW-46-205	225	482.25	14-Mar-06	10:25 AM	29.94	1.48	455.31
			24-Mar-06	10:23 AM	28.58	1.48	456.68
			07-Apr-06	8:35 AM	23.40	1.48	460.46
		482.23	04-May-06	2:45 PM	27.95	1.48	455.85
			15-Jun-06	5:30 AM	26.72	1.48	457.11
			13-Jul-06	6:24 AM	26.93	1.48	456.89
			10-Aug-06	8:14 AM	27.62	1.48	456.19
			07-Sep-06	10:39 AM	28.11	1.48	455.70
			05-Oct-06	1:25 PM	28.62	1.48	455.19
			13-Dec-06	11:04 AM	29.08	1.48	454.82
			08-Mar-07	10:11 AM	28.39	1.48	455.50
MW-47-55	55	483.87	23-Mar-06	1:30 PM	29.12	0.27	454.70
			16-May-06	9:20 AM	27.45	0.27	456.37
			10-Oct-06	11:50 AM	28.90	0.27	454.93
			14-Dec-06	11:59 AM	29.59	0.27	454.24
			06-Mar-07	10:26 AM	28.59	0.27	455.23
MW-47-115	115	484.06	23-Mar-06	12:31 PM	30.16	1.01	454.17
			16-May-06	9:20 AM	27.94	1.01	456.42
			10-Oct-06	10:45 AM	29.25	1.01	455.11
			14-Dec-06	12:39 AM	29.98	1.01	454.38
			06-Mar-07	8:25 AM	29.08	1.01	455.29
MW-48	138	486.22	05-Jun-06	10:03 AM	29.10	1.09	457.42
			06-Oct-06	11:30 AM	30.98	1.09	427.12
			13-Dec-06	3:07 PM	31.85	1.09	454.66
			06-Mar-07	11:00 AM	31.81	1.09	454.70
MW-49-135	137	484.02	25-Apr-06	10:55 AM	28.43	1.18	456.16
			18-May-06	8:50 AM	27.93	1.18	456.66
			12-Oct-06	7:57 AM	29.22	1.18	455.39
			15-Dec-06	10:10 AM	29.98	1.18	454.64
			09-Mar-07	5:50 AM	29.25	1.18	455.38
MW-49-275	275	483.95	25-Apr-06	1:30 PM	29.37	1.81	456.76
			18-May-06	10:05 AM	29.32	1.81	457.01
			12-Oct-06	8:10 AM	30.24	1.81	456.09
			15-Dec-06	9:59 AM	31.01	1.81	455.42
			09-Mar-07	8:27 AM	30.17	1.81	456.27

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Monitoring Wells							
MW-49-365	367	484.01	26-Apr-06	12:45 PM	30.85	2.76	458.32
			16-May-06	9:50 AM	30.86	2.76	458.71
			12-Oct-06	8:06 AM	31.83	2.76	457.57
			15-Dec-06	11:51 AM	32.61	2.76	457.00
			09-Mar-07	5:44 AM	31.65	2.76	458.04
MW-50-095	96	496.55	09-May-06	7:14 AM	40.50	0.33	455.96
			24-May-06	1:49 PM	39.65	0.33	456.80
			10-Oct-06	9:07 AM	41.52	0.33	454.94
			12-Dec-06	12:01 AM	42.25	0.33	454.22
		496.49	07-Mar-07	10:37 AM	41.67	0.33	454.73
MW-50-200	205	496.45	09-May-06	7:16 AM	41.02	1.40	456.40
			24-May-06	1:08 PM	41.47	1.40	455.94
		496.48	10-Oct-06	7:32 AM	42.02	1.40	455.44
			12-Dec-06	11:58 AM	42.75	1.40	454.72
		496.35	07-Mar-07	9:39 AM	42.58	1.40	454.74
MW-51	113	501.56	30-May-06	10:48 AM	44.98	0.64	456.61
			06-Oct-06	6:30 AM	46.58	0.64	455.02
			12-Dec-06	9:16 AM	47.58	0.64	454.03
			06-Mar-07	7:42 AM	47.09	0.64	454.51
OW-3D	274	558.63	09-Mar-06	8:30 AM	102.41	0.51	456.06
			06-Oct-06	9:30 AM	101.74	0.51	456.73
			09-Mar-07	7:25 AM	102.40	0.51	456.07
OW-3M	202	558.90	09-Mar-06	9:17 AM	102.61	0.32	456.07
			12-Oct-06	9:28 AM	102.08	0.32	456.60
			09-Mar-07	6:38 AM	102.65	0.32	456.03
OW-3S	118	558.58	09-Mar-06	9:55 AM	102.33	0.11	456.19
			12-Oct-06	11:20 AM	101.65	0.11	456.87
			09-Mar-07	5:55 AM	102.37	0.11	456.15
TW-4	255	484.11	18-May-06	8:49 AM	28.71	1.12	456.35
			05-Jun-06	11:30 AM	28.67	1.12	456.39
			09-Oct-06	6:59 AM	29.42	1.12	455.37
			07-Mar-07	7:20 AM	29.85	1.12	454.94
TW-5	153	496.30	10-May-06	11:12 AM	41.20	0.83	455.18
			01-Jun-06	9:14 AM	40.43	0.83	456.07
			09-Oct-06	11:36 AM	41.32	0.83	455.06
Other Wells not in GMP							
CW-1D	300	566.46	06-Jun-06	8:45 AM	96.82	0.45	469.47
			10-Oct-06	12:57 PM	109.09	0.45	457.20
CW-1M	190	566.07	11-Oct-06	7:16 AM	109.31	0.40	456.68
CW-2D	355	549.43	07-Jun-06	9:12 AM	92.40	0.93	457.72
			11-Oct-06	8:03 AM	93.11	0.93	457.04
CW-2M	202	549.45	11-Oct-06	6:57 AM	93.10	0.39	456.24
CW-3D	340	534.14	06-Jun-06	5:40 AM	77.14	0.97	457.81

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Other Wells not in GMP							
CW-3D	340	534.14	11-Oct-06	1:38 PM	77.60	0.97	457.32
CW-3M	222	534.10	07-Jun-06	6:30 AM	77.00	0.50	457.04
			10-Oct-06	1:30 PM	77.73	0.50	456.33
CW-4D	303	518.55	06-Jun-06	6:34 AM	61.32	0.91	457.84
			11-Oct-06	11:42 AM	61.75	0.91	457.39
CW-4M	170	518.55	06-Jun-06	7:44 AM	61.22	0.35	457.17
			11-Oct-06	10:43 AM	61.80	0.35	456.59
OW-1D	277	550.36	14-Mar-06	8:50 AM	93.55	0.50	456.72
			06-Jun-06	6:06 AM	92.32	0.50	457.98
			31-Aug-06	7:29 AM	92.85	0.50	457.43
			12-Oct-06	7:25 AM	93.10	0.50	457.21
OW-1M	186	550.36	13-Mar-06	12:18 PM	93.90	0.45	456.40
			06-Jun-06	7:45 AM	92.86	0.45	457.42
			31-Aug-06	5:43 AM	93.30	0.45	456.94
			10-Oct-06	11:55 AM	93.56	0.45	456.73
OW-1S	114	550.15	15-Mar-06	1:04 PM	94.10	0.12	456.00
			06-Jun-06	9:12 AM	92.97	0.12	457.11
			31-Aug-06	8:30 AM	93.26	0.12	456.82
			10-Oct-06	10:41 AM	93.61	0.12	456.47
OW-2D	340	549.01	14-Mar-06	2:33 PM	92.50	0.51	456.46
			07-Jun-06	6:32 AM	90.45	0.51	458.46
			31-Aug-06	12:02 PM	90.96	0.51	457.93
			11-Oct-06	7:50 AM	92.05	0.51	456.89
OW-2M	210	548.52	14-Mar-06	1:15 PM	92.38	0.45	456.16
			07-Jun-06	5:08 AM	90.61	0.45	457.82
			30-Aug-06	1:30 PM	91.40	0.45	457.04
			10-Oct-06	9:50 AM	91.80	0.45	456.64
OW-2S	121	548.75	15-Mar-06	12:02 PM	92.79	0.11	455.87
			06-Jun-06	10:18 AM	91.62	0.11	457.03
			08-Sep-06	5:00 AM	92.06	0.11	456.60
			10-Oct-06	8:59 AM	92.33	0.11	456.33
OW-5D	350	552.35	15-Mar-06	8:23 AM	96.50	0.51	455.61
			07-Jun-06	10:22 AM	94.56	0.51	457.51
			30-Aug-06	9:49 AM	94.09	0.51	457.95
			11-Oct-06	12:26 PM	94.39	0.51	457.73
OW-5M	250	551.75	15-Mar-06	8:28 AM	96.00	0.45	455.64
			07-Jun-06	8:58 AM	94.13	0.45	457.41
			30-Aug-06	8:23 AM	94.04	0.45	457.58
			11-Oct-06	10:26 AM	94.35	0.45	457.19
OW-5S	110	551.75	15-Mar-06	8:32 AM	95.80	0.11	455.90
			07-Jun-06	8:10 AM	94.57	0.11	457.13
			31-Aug-06	10:32 AM	94.76	0.11	456.93
			10-Oct-06	7:45 AM	95.10	0.11	456.60

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Site Wide Water Levels							
MW-1	217	661.76	14-Jun-06	8:35 AM	205.16	0.04	456.56
			19-Oct-06	10:29 AM	206.52	0.04	455.20
			18-Dec-06	12:32 PM	205.90	0.04	455.82
MW-3	205	650.51	08-Mar-06	8:19 AM	193.80	0.09	456.67
			07-May-07	9:22 AM	194.60	0.09	455.87
MW-4	176	625.73	08-Mar-06	8:29 AM	170.05	0.07	455.66
			14-Jun-06	8:51 AM	168.76	0.07	456.94
			19-Oct-06	10:47 AM	169.36	0.07	456.35
			18-Dec-06	12:45 PM	170.00	0.07	455.71
MW-5	186	635.69	08-Mar-06	8:23 AM	179.68	0.09	455.99
			14-Jun-06	8:41 AM	178.41	0.09	457.25
			19-Oct-06	10:58 AM	178.98	0.09	456.69
			18-Dec-06	12:51 PM	179.60	0.09	456.07
			07-May-07	9:33 AM	178.74	0.09	456.92
MW-6	195	642.84	08-Mar-06	8:36 AM	186.74	0.04	456.07
			14-Jun-06	8:56 AM	185.54	0.04	457.26
			19-Oct-06	10:36 AM	186.01	0.04	456.80
			07-May-07	9:44 AM	185.96	0.04	456.85
MW-7	185	631.91	08-Mar-06	8:33 AM	176.48	0.07	455.40
			14-Jun-06	8:47 AM	175.20	0.07	456.67
			19-Oct-06	10:43 AM	175.94	0.07	455.94
			18-Dec-06	12:40 PM	176.26	0.07	455.62
MW-8	180	627.54	08-Mar-06	8:26 AM	171.37	0.07	456.14
			14-Jun-06	8:46 AM	170.10	0.07	457.40
			19-Oct-06	10:54 AM	170.87	0.07	456.64
			18-Dec-06	12:48 PM	171.15	0.07	456.36
			07-May-07	9:37 AM	170.55	0.07	456.96
MW-9	89	536.56	07-Mar-06	8:06 AM	81.01	0.20	455.53
			14-Jun-06	5:20 AM	79.61	0.20	456.92
			19-Oct-06	12:25 PM	79.97	0.20	456.56
			18-Dec-06	1:50 PM	80.82	0.20	455.72
			07-May-07	7:51 AM	79.90	0.20	456.63
MW-10	97	530.65	07-Mar-06	8:01 AM	75.29	0.20	455.31
			14-Jun-06	5:16 AM	73.90	0.20	456.69
			19-Oct-06	12:15 PM	74.37	0.20	456.22
			18-Dec-06	1:53 PM	75.14	0.20	455.46
MW-11	86	522.61	07-Mar-06	8:13 AM	67.33	0.16	455.22
			14-Jun-06	5:08 AM	65.90	0.16	456.65
			19-Oct-06	12:35 PM	66.83	0.16	455.72
			18-Dec-06	1:59 PM	67.33	0.16	455.22
			07-May-07	7:58 AM	66.09	0.16	456.46
MW-12	50	484.01	14-Jun-06	5:42 AM	27.92	0.23	456.04
			19-Oct-06	11:56 AM	28.57	0.23	455.39
			18-Dec-06	12:25 PM	29.40	0.23	454.56
			07-May-07	8:09 AM	28.09	0.23	455.87

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Site Wide Water Levels							
MW-13	52	488.64	08-Mar-06	8:45 AM	33.35	0.13	455.23
			14-Jun-06	6:04 AM	32.03	0.13	456.55
			19-Oct-06	9:25 AM	33.05	0.13	455.53
			18-Dec-06	2:15 PM	32.70	0.13	455.88
			07-May-07	8:19 AM	32.05	0.13	456.53
MW-14	134	570.99	08-Mar-06	8:28 AM	115.33	0.10	455.60
			14-Jun-06	6:23 AM	114.00	0.10	456.92
			19-Oct-06	9:38 AM	114.85	0.10	456.08
			18-Dec-06	2:20 PM	115.53	0.10	455.40
			07-May-07	8:28 AM	114.13	0.10	456.79
MW-15	203	641.52	08-Mar-06	8:45 AM	185.52	0.10	455.94
			14-Jun-06	8:03 AM	184.18	0.10	457.27
			19-Oct-06	11:20 AM	184.62	0.10	456.84
			18-Dec-06	1:02 PM	185.32	0.10	456.14
			07-May-07	9:11 AM	184.41	0.10	457.05
MW-16	218	657.31	08-Mar-06	8:52 AM	200.98	0.10	456.27
			14-Jun-06	7:53 AM	199.94	0.10	457.31
			19-Oct-06	10:22 AM	200.06	0.10	457.19
			18-Dec-06	1:09 PM	200.40	0.10	456.85
			07-May-07	10:00 AM	200.24	0.10	457.01
MW-17	154	589.96	14-Jun-06	6:45 AM	132.49	0.11	457.39
			19-Oct-06	2:15 PM	132.60	0.11	457.28
			18-Dec-06	12:50 PM	133.25	0.11	456.64
			07-May-07	8:57 AM	132.77	0.11	457.11
MW-18	107	545.32	08-Mar-06	7:59 AM	89.33	0.09	455.93
			14-Jun-06	6:38 AM	88.03	0.09	457.23
			19-Oct-06	9:59 AM	88.66	0.09	456.60
			18-Dec-06	1:24 PM	89.26	0.09	456.00
			07-May-07	8:42 AM	88.15	0.09	457.11
MW-19	66	499.92	08-Mar-06	8:59 AM	45.16	0.15	454.70
			14-Jun-06	6:02 AM	43.64	0.15	456.24
			19-Oct-06	9:10 AM	46.34	0.15	453.53
			18-Dec-06	1:12 PM	46.00	0.15	453.87
MW-20-70	70	500.15	08-Mar-06	9:20 AM	---	0.18	---
			13-Jun-06	9:00 AM	44.92	0.18	455.17
			19-Oct-06	11:47 AM	46.48	0.18	453.61
			18-Dec-06	1:48 PM	47.51	0.18	452.58
MW-21	58	505.55	08-Mar-06	9:21 AM	50.01	0.83	455.56
			14-Jun-06	5:45 AM	49.61	0.83	455.96
			19-Oct-06	1:50 PM	50.22	0.83	455.35
			18-Dec-06	2:10 PM	54.71	0.83	450.85
			07-May-07	8:13 AM	49.79	0.83	455.78
MW-24A	127	567.16	14-Jun-06	5:00 AM	110.51	0.23	456.61
			18-Dec-06	1:45 PM	111.89	0.23	455.23
			07-May-07	8:03 AM	110.75	0.23	456.37

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Site Wide Water Levels							
MW-25	107	542.90	08-Mar-06	8:53 AM	88.07	0.09	454.77
			14-Jun-06	6:07 AM	86.71	0.09	456.12
			19-Oct-06	9:18 AM	87.62	0.09	455.22
			18-Dec-06	1:21 PM	88.93	0.09	453.91
MW-26	70	502.22	08-Mar-06	8:16 AM	47.72	0.23	454.45
			14-Jun-06	5:48 AM	46.33	0.23	455.83
			19-Oct-06	1:45 PM	47.15	0.23	455.02
			18-Dec-06	1:57 PM	48.01	0.23	454.16
MW-31-60	64	496.81	08-Mar-06	9:10 AM	42.31	0.17	454.44
			14-Jun-06	5:50 AM	40.74	0.17	456.01
			19-Oct-06	11:41 AM	42.23	0.17	454.52
			18-Dec-06	1:05 PM	43.92	0.17	452.84
MW-35-60	57	484.19	08-Mar-06	9:05 AM	28.84	0.55	455.37
			14-Jun-06	5:52 AM	27.23	0.55	456.98
			19-Oct-06	11:33 AM	29.19	0.55	455.02
			18-Dec-06	12:55 PM	30.61	0.55	453.59
MW-38S	98	525.51	07-Mar-06	8:10 AM	70.84	0.23	454.60
			14-Jun-06	5:12 AM	69.43	0.23	456.01
			19-Oct-06	12:12 PM	69.96	0.23	455.48
			18-Dec-06	1:57 PM	70.75	0.23	454.69
			07-May-07	7:55 AM	69.61	0.23	455.83
MW-40D	266	566.08	08-Mar-06	9:03 AM	107.73	1.11	458.82
MW-40S	134	566.04	08-Mar-06	9:03 AM	108.36	0.13	457.59
			14-Jun-06	6:59 AM	109.43	0.13	456.52
			18-Dec-06	12:40 PM	110.88	0.13	455.08
			07-May-07	10:30 AM	109.55	0.13	456.40
MW-41S	62	480.07	08-Mar-06	8:37 AM	24.75	0.32	455.26
			14-Jun-06	6:18 AM	23.34	0.32	456.66
			19-Oct-06	9:32 AM	28.50	0.32	451.51
			18-Dec-06	1:36 PM	25.42	0.32	454.59
			07-May-07	8:24 AM	23.31	0.32	456.69
OW-1S	114	550.15	08-Mar-06	8:17 AM	94.28	0.12	455.82
			14-Jun-06	6:30 AM	92.85	0.12	457.23
			19-Oct-06	9:54 AM	93.78	0.12	456.30
			18-Dec-06	1:28 PM	94.40	0.12	455.69
			07-May-07	8:38 AM	93.24	0.12	456.84
OW-2S	121	548.75	08-Mar-06	8:15 AM	92.96	0.11	455.70
			14-Jun-06	6:31 AM	91.55	0.11	457.11
			19-Oct-06	9:49 AM	92.45	0.11	456.21
			18-Dec-06	1:31 PM	93.10	0.11	455.56
			07-May-07	8:36 AM	91.71	0.11	456.95
OW-3S	118	558.58	08-Mar-06	8:07 AM	102.53	0.11	455.99
			14-Jun-06	6:41 AM	101.18	0.11	457.34
			19-Oct-06	10:06 AM	101.87	0.11	456.65
			18-Dec-06	1:18 PM	102.51	0.11	456.01

TABLE 7
Manual Water Level Measurements, March 2006 through March 2007
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)
Site Wide Water Levels							
OW-3S	118	558.58	07-May-07	8:45 AM	101.35	0.11	457.17
OW-5S	110	551.75	08-Mar-06	8:20 AM	95.78	0.11	455.92
			14-Jun-06	6:33 AM	94.49	0.11	457.21
			19-Oct-06	9:44 AM	95.23	0.11	456.47
			18-Dec-06	1:34 PM	95.86	0.11	455.84
			07-May-07	8:31 AM	84.61	0.11	467.05
TW-2S	102	499.05	14-Jun-06	8:30 AM	38.88	0.17	460.03
			19-Oct-06	1:35 PM	46.36	0.17	452.56
			18-Dec-06	2:30 PM	34.00	0.17	464.90
Surface Water Stations							
I-3	---	460.30	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
			06-Sep-06	12:00 PM	6.18	0.00	454.12
			04-Oct-06	1:28 PM	6.58	0.00	453.72
RRB	---	476.63	06-Mar-06	1:40 PM	21.90	0.00	454.73
			03-May-06	6:40 AM	19.60	0.00	457.03
			06-Sep-06	1:15 PM	22.58	0.00	454.05
			04-Oct-06	1:00 PM	22.73	0.00	453.90

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 Febuary 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.

Water level snapshot data presented from May 2007 because the data was not collected in March 2007.

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-9	07-Mar-06	3,180	28.01	6.96	227	6.63
MW-9	12-Oct-06	3,490	28.69	7.24	166	---
MW-10	06-Mar-06	2,720	27.03	7.18	227	4.90
MW-10	04-May-06	4,500	29.01	7.48	146	4.98
MW-10	12-Oct-06	3,090	28.61	7.43	113	7.59
MW-10	14-Dec-06	2,900	29.43	7.57	122	5.67
MW-10	06-Mar-07	2,870	28.76	7.34	164	4.95
MW-11	06-Mar-06	2,600	28.66	7.26	235	6.98
MW-11	09-May-06	3,530	32.20	7.35	116	7.69
MW-11	12-Oct-06	2,930	29.66	7.27	90	9.58
MW-12	18-Apr-06	3,460	28.60	---	91	7.28
MW-12	01-May-06	3,840	28.10	8.05	---	---
MW-12	04-Oct-06	6,510	29.26	8.40	128	5.22
MW-12	13-Dec-06	4,660	27.53	8.24	155	6.20
MW-12	06-Mar-07	4,940	28.03	8.17	117	6.67
MW-13	08-Mar-06	---	28.67	7.45	163	6.90
MW-13	02-May-06	1,990	28.70	7.18	80	4.17
MW-13	02-Oct-06	2,020	28.02	7.23	44	---
MW-13	05-Mar-07	1,840	30.54	7.50	59	6.75
MW-14	09-Mar-06	1,990	28.63	7.43	183	7.58
MW-14	02-May-06	1,610	29.20	7.36	49	3.92
MW-14	02-Oct-06	1,580	28.55	7.29	15	---
MW-14	12-Mar-07	1,280	29.57	7.13	16	6.73
MW-15	07-Mar-06	2,590	29.84	7.53	81	7.73
MW-15	05-Oct-06	2,110	29.69	7.50	16	8.93
MW-16	07-Mar-06	1,360	29.26	7.80	62	7.44
MW-16	01-Nov-06	1,640	32.89	7.72	52	5.34
MW-17	09-Mar-06	2,440	30.94	7.44	133	6.52
MW-17	02-Oct-06	1,870	30.12	7.26	79	---
MW-18	09-Mar-06	1,860	28.92	7.36	152	8.08
MW-18	04-Oct-06	1,820	30.81	7.69	30	7.72
MW-18	12-Mar-07	1,010	29.07	7.51	151	9.65
MW-19	09-Mar-06	3,850	28.42	7.33	227	7.43
MW-19	02-May-06	2,450	29.00	7.33	38	3.30
MW-19	02-Oct-06	2,450	28.59	7.26	44	---
MW-19	15-Dec-06	2,360	28.20	7.53	76	6.64
MW-19	06-Mar-07	2,280	28.45	7.40	95	7.03
MW-20-70	10-Mar-06	5,830	28.01	7.49	228	7.32
MW-20-70	05-May-06	3,050	29.32	7.74	97	7.21
MW-20-70	03-Oct-06	3,460	28.69	7.48	117	7.47
MW-20-70	13-Dec-06	2,890	29.10	7.45	203	7.93
MW-20-70	14-Mar-07	2,260	28.89	7.40	152	8.37
MW-20-100	10-Mar-06	4,360	28.46	7.33	198	3.77

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-20-100	05-May-06	3,760	29.80	7.72	98	5.20
MW-20-100	03-Oct-06	4,340	29.09	7.42	106	3.46
MW-20-100	13-Dec-06	5,200	29.11	7.36	188	2.19
MW-20-100	14-Mar-07	2,820	29.37	7.31	153	3.01
MW-20-130	10-Mar-06	14,500	28.67	7.48	213	3.49
MW-20-130	05-May-06	12,400	30.76	7.74	97	2.21
MW-20-130	18-Oct-06	19,500	30.41	7.91	78	2.68
MW-20-130	13-Dec-06	---	30.09	7.36	181	0.80
MW-20-130	08-Mar-07	---	30.00	7.40	91	1.11
MW-21	09-Mar-06	15,100	26.71	6.81	---	4.20
MW-21	02-May-06	11,500	30.20	6.94	-77	---
MW-21	03-Oct-06	15,900	28.50	6.91	-67	6.90
MW-21	13-Dec-06	13,000	19.80	6.98	-68	1.22
MW-21	09-Mar-07	19,700	28.75	6.87	11	2.04
MW-22	15-Mar-06	34,800	19.89	6.12	---	8.54
MW-22	03-May-06	34,200	23.52	7.05	-88	4.14
MW-22	13-Oct-06	42,200	28.07	6.62	-105	0.97
MW-22	08-Mar-07	51,300	22.30	6.78	-99	0.25
MW-23	08-Mar-06	21,100	27.87	7.15	199	5.47
MW-23	02-May-06	16,200	29.60	6.85	-13	---
MW-23	04-Oct-06	21,200	30.34	7.62	40	6.14
MW-23	12-Dec-06	17,600	23.60	6.67	127	1.81
MW-23	06-Mar-07	19,700	28.66	7.03	62	4.15
MW-23	02-May-07	17,100	28.30	7.11	55	6.70
MW-24A	06-Mar-06	3,140	28.11	7.47	239	5.17
MW-24A	03-Oct-06	3,910	29.14	7.42	101	2.87
MW-24A	14-Dec-06	---	29.73	7.44	76	0.33
MW-24A	06-Mar-07	3,230	30.71	7.34	142	0.99
MW-24B	07-Mar-06	17,200	30.96	7.73	199	2.59
MW-24B	03-Oct-06	18,700	30.38	7.85	85	2.72
MW-24B	14-Dec-06	---	29.67	7.78	4	0.51
MW-24B	05-Mar-07	16,400	32.49	7.86	10	1.40
MW-24BR	16-Mar-06	16,400	24.96	7.05	-230	3.75
MW-24BR	10-May-06	20,700	33.73	7.64	-325	2.40
MW-24BR	05-Jun-06	12,700	41.92	6.81	-287	---
MW-24BR	01-Nov-06	17,300	36.40	7.39	-183	1.20
MW-24BR	14-Dec-06	20,400	31.29	7.95	-209	0.31
MW-24BR	05-Mar-07	15,200	34.74	8.01	-213	0.53
MW-25	09-Mar-06	2,750	29.19	7.28	210	7.40
MW-25	03-May-06	2,110	30.70	7.06	98	7.72
MW-25	03-Oct-06	1,720	28.62	7.39	81	6.88
MW-25	06-Mar-07	1,350	29.30	7.24	120	6.84
MW-26	08-Mar-06	3,840	29.14	7.98	170	9.16
MW-26	01-May-06	3,290	30.30	7.14	---	---

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-26	03-Oct-06	4,140	29.74	7.20	104	---
MW-26	12-Mar-07	3,590	30.55	7.28	90	4.84
MW-27-20	06-Mar-06	910	18.16	8.01	-153	0.38
MW-27-20	01-May-06	1,510	50.00	7.00	---	2.51
MW-27-20	14-Jun-06	2,730	23.79	7.53	-178	4.57
MW-27-20	03-Oct-06	1,240	22.78	7.49	-176	0.48
MW-27-60	07-Mar-06	13,700	21.55	7.76	-118	2.46
MW-27-60	01-May-06	12,100	40.96	6.91	-140	1.02
MW-27-60	03-Oct-06	14,300	22.07	7.47	-122	0.76
MW-27-85	06-Mar-06	15,800	21.67	7.62	-92	0.16
MW-27-85	03-Apr-06	18,200	23.12	6.88	-102	2.50
MW-27-85	01-May-06	18,300	39.90	6.70	-104	0.94
MW-27-85	14-Jun-06	22,400	23.89	6.89	-98	3.32
MW-27-85	12-Jul-06	21,400	22.80	6.62	-71	2.18
MW-27-85	08-Aug-06	22,900	23.15	6.75	-33	2.69
MW-27-85	06-Sep-06	23,200	27.30	7.56	-87	2.44
MW-27-85	13-Oct-06	24,100	21.27	6.93	-78	1.07
MW-27-85	16-Nov-06	23,400	20.40	6.96	-87	1.21
MW-27-85	11-Dec-06	26,700	24.39	7.56	-82	1.26
MW-27-85	10-Jan-07	18,640	21.44	6.88	-61	0.26
MW-27-85	06-Feb-07	23,100	21.30	6.96	-47	0.14
MW-27-85	07-Mar-07	---	21.56	6.87	-80	0.23
MW-28-25	09-Mar-06	1,140	21.53	7.67	-54	3.52
MW-28-25	05-May-06	1,260	23.90	6.75	-126	0.75
MW-28-25	11-Oct-06	1,860	24.13	7.05	-111	1.54
MW-28-90	06-Mar-06	6,830	21.76	8.22	-151	0.26
MW-28-90	06-Apr-06	8,160	23.01	7.77	---	2.09
MW-28-90	05-May-06	8,690	25.14	7.05	-150	0.78
MW-28-90	15-Jun-06	7,980	23.15	7.34	-153	3.93
MW-28-90	13-Jul-06	---	23.49	7.33	-150	1.59
MW-28-90	11-Aug-06	12,300	23.03	6.66	-159	0.58
MW-28-90	08-Sep-06	7,830	21.78	7.50	-133	3.17
MW-28-90	13-Oct-06	9,700	20.54	7.46	-156	1.00
MW-28-90	14-Dec-06	7,590	20.00	7.44	-160	0.27
MW-28-90	08-Mar-07	6,910	21.20	7.29	-154	4.13
MW-29	13-Apr-06	4,220	24.93	7.77	-142	4.15
MW-29	05-May-06	4,430	30.90	6.75	-128	1.26
MW-29	13-Oct-06	4,770	25.18	7.14	-56	5.26
MW-30-30	13-Mar-06	55,600	25.61	7.39	-99	1.15
MW-30-30	02-May-06	54,600	29.60	6.57	-104	2.38
MW-30-30	10-Oct-06	56,500	27.42	6.91	-129	1.39
MW-30-50	09-Mar-06	8,800	25.55	7.52	-81	2.42
MW-30-50	02-May-06	14,300	27.80	6.84	-102	2.82
MW-30-50	11-Oct-06	8,280	24.85	7.16	-113	0.75

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-31-60	15-Mar-06	2,750	28.69	7.68	217	7.01
MW-31-60	01-May-06	2,740	29.40	7.40	---	---
MW-31-60	05-Oct-06	3,440	28.30	7.46	82	7.77
MW-31-60	12-Mar-07	2,650	28.51	7.49	93	5.29
MW-31-135	15-Mar-06	13,400	28.84	7.75	33	3.05
MW-31-135	09-May-06	15,900	31.92	7.58	82	2.75
MW-31-135	05-Oct-06	13,600	29.48	7.73	65	2.91
MW-31-135	08-Mar-07	8,730	31.70	6.19	142	0.60
MW-32-20	10-Mar-06	---	24.08	7.36	-125	0.44
MW-32-20	04-May-06	25,500	29.70	6.11	-120	0.40
MW-32-20	02-Oct-06	59,800	30.32	6.72	-122	0.91
MW-32-20	11-Dec-06	61,300	29.37	7.34	-110	1.83
MW-32-20	06-Mar-07	39,700	26.80	6.51	-84	0.11
MW-32-35	10-Mar-06	9,570	25.23	7.90	-161	0.09
MW-32-35	04-May-06	16,500	28.70	6.57	-171	0.26
MW-32-35	02-Oct-06	20,000	26.19	7.69	-162	0.69
MW-32-35	11-Dec-06	23,700	27.95	7.85	-149	1.47
MW-32-35	06-Mar-07	14,800	27.90	5.98	-66	0.00
MW-33-40	04-May-06	4,580	33.10	7.15	12	5.25
MW-33-40	06-Oct-06	6,710	23.80	8.07	167	
MW-33-40	14-Dec-06	7,080	26.20	7.92	31	2.80
MW-33-40	06-Mar-07	27,000	27.08	8.14	---	1.70
MW-33-90	08-Mar-06	10,200	26.82	8.17	-42	0.26
MW-33-90	03-May-06	10,400	32.20	6.75	-44	0.40
MW-33-90	06-Oct-06	12,500	27.28	7.47	110	0.95
MW-33-90	15-Dec-06	14,600	28.59	7.65	110	1.74
MW-33-90	12-Mar-07	11,600	27.09	7.46	97	0.41
MW-33-150	08-Mar-06	20,400	26.59	8.06	-55	0.26
MW-33-150	06-Apr-06	18,300	27.88	7.78	39	2.13
MW-33-150	03-May-06	17,100	34.40	6.75	-23	1.02
MW-33-150	16-Jun-06	21,300	27.84	6.98	38	2.82
MW-33-150	13-Jul-06	22,400	29.07	7.32	-14	1.09
MW-33-150	11-Aug-06	20,200	28.92	6.85	-19	1.79
MW-33-150	08-Sep-06	17,900	27.22	7.61	28	1.79
MW-33-150	06-Oct-06	20,500	28.10	7.45	15	0.91
MW-33-150	13-Dec-06	17,500	27.20	7.47	-5	0.39
MW-33-150	06-Mar-07	---	27.61	7.51	37	0.00
MW-33-210	06-Mar-06	16,600	27.64	7.98	-37	0.21
MW-33-210	13-Apr-06	18,100	31.85	8.15	21	6.81
MW-33-210	05-May-06	20,100	28.30	6.50	34	0.39
MW-33-210	16-Jun-06	23,600	27.86	7.03	-27	2.86
MW-33-210	13-Jul-06	27,100	28.50	7.15	36	2.24
MW-33-210	08-Aug-06	23,900	29.27	7.25	70	3.12
MW-33-210	08-Sep-06	21,000	26.90	7.40	59	1.68
MW-33-210	06-Oct-06	24,000	27.36	7.27	28	0.94

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-33-210	11-Dec-06	27,600	30.26	7.43	157	1.17
MW-33-210	05-Mar-07	---	28.39	7.25	-2	0.31
MW-34-55	08-Mar-06	8,460	20.41	7.94	-106	---
MW-34-55	03-May-06	7,580	27.40	6.64	-117	0.33
MW-34-55	04-Oct-06	3,080	20.03	7.24	-178	2.17
MW-34-80	09-Mar-06	15,100	21.51	7.38	-12	2.20
MW-34-80	03-Apr-06	13,500	23.30	7.03	-38	2.40
MW-34-80	03-May-06	13,800	27.30	6.37	-68	0.15
MW-34-80	14-Jun-06	15,600	23.00	6.96	-99	2.65
MW-34-80	12-Jul-06	14,800	23.93	6.96	-75	1.58
MW-34-80	08-Aug-06	16,200	23.11	7.05	-33	0.59
MW-34-80	06-Sep-06	16,000	24.62	7.75	-84	0.95
MW-34-80	04-Oct-06	14,400	20.88	6.91	-111	2.12
MW-34-80	16-Nov-06	13,200	20.40	7.18	-86	1.09
MW-34-80	12-Dec-06	15,000	21.11	7.18	-23	0.26
MW-34-80	09-Jan-07	14,300	21.05	7.21	-36	0.28
MW-34-80	05-Feb-07	10,300	20.71	7.15	-51	0.19
MW-34-80	05-Mar-07	24,800	20.79	7.12	-54	0.22
MW-34-100	08-Mar-06	18,600	22.62	8.13	-8	---
MW-34-100	23-Mar-06	18,400	22.54	7.50	113	2.21
MW-34-100	03-Apr-06	16,800	24.50	7.39	42	2.81
MW-34-100	03-May-06	18,200	32.90	6.71	-10	0.33
MW-34-100	17-May-06	23,800	27.80	7.41	44	3.11
MW-34-100	31-May-06	16,100	29.17	6.53	104	3.13
MW-34-100	14-Jun-06	20,800	24.24	7.42	-2	3.21
MW-34-100	28-Jun-06	21,800	25.77	7.09	132	4.98
MW-34-100	12-Jul-06	19,300	24.05	7.35	27	1.48
MW-34-100	26-Jul-06	---	23.55	7.48	36	2.20
MW-34-100	08-Aug-06	20,600	24.55	7.44	64	0.48
MW-34-100	28-Aug-06	28,900	26.40	7.45	69	1.29
MW-34-100	06-Sep-06	22,500	25.55	7.99	117	1.93
MW-34-100	20-Sep-06	19,600	25.45	7.83	181	1.52
MW-34-100	04-Oct-06	20,700	21.89	7.40	0	2.03
MW-34-100	18-Oct-06	21,700	23.91	8.14	52	0.76
MW-34-100	01-Nov-06	20,200	25.12	7.48	33	1.56
MW-34-100	16-Nov-06	20,500	21.00	7.56	146	1.35
MW-34-100	30-Nov-06	21,900	25.62	7.72	115	0.93
MW-34-100	12-Dec-06	21,000	21.95	7.62	-16	0.25
MW-34-100	28-Dec-06	16,760	---	7.68	115	---
MW-34-100	09-Jan-07	---	22.13	7.63	52	0.24
MW-34-100	24-Jan-07	17,700	21.98	7.61	129	0.30
MW-34-100	05-Feb-07	26,800	21.91	7.63	-28	0.20
MW-34-100	21-Feb-07	39,100	21.70	7.61	37	0.22
MW-34-100	07-Mar-07	37,800	21.90	7.52	71	0.23
MW-34-100	21-Mar-07	20,000	21.70	8.00	67	0.00
MW-35-60	14-Mar-06	---	26.87	7.23	42	2.92

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-35-60	01-May-06	6,770	29.80	7.15	-37	---
MW-35-60	12-Oct-06	12,200	29.89	8.01	112	1.26
MW-35-60	08-Mar-07	5,660	29.80	6.22	176	0.78
MW-35-135	10-Mar-06	12,400	25.96	7.98	103	2.44
MW-35-135	02-May-06	13,000	28.00	7.39	0	2.70
MW-35-135	12-Oct-06	14,400	31.03	8.19	113	1.20
MW-35-135	08-Mar-07	8,580	29.90	5.75	218	0.22
MW-36-20	07-Mar-06	18,900	24.38	7.82	-148	2.50
MW-36-20	01-May-06	20,100	25.42	7.78	-180	5.28
MW-36-20	02-Oct-06	24,000	25.27	7.19	-177	1.84
MW-36-40	07-Mar-06	17,000	24.57	7.71	-166	3.30
MW-36-40	01-May-06	13,500	26.08	7.83	-179	5.10
MW-36-40	05-Oct-06	16,000	23.94	7.30	-194	1.37
MW-36-50	07-Mar-06	8,400	24.34	7.66	-110	2.72
MW-36-50	01-May-06	6,810	25.96	7.90	-162	3.60
MW-36-50	05-Oct-06	4,200	23.35	7.48	-165	1.39
MW-36-70	07-Mar-06	9,720	24.15	7.64	-67	2.51
MW-36-70	06-Apr-06	7,740	24.51	7.57	---	1.79
MW-36-70	01-May-06	8,180	25.24	7.79	-130	4.64
MW-36-70	13-Jun-06	7,840	33.60	5.95	---	---
MW-36-70	11-Jul-06	7,320	26.10	7.21	-108	0.64
MW-36-70	09-Aug-06	6,920	27.97	7.22	-149	0.72
MW-36-70	07-Sep-06	5,930	23.60	7.34	-105	1.70
MW-36-70	02-Oct-06	5,220	25.77	7.40	-122	1.43
MW-36-70	14-Dec-06	3,440	25.80	7.62	-112	1.76
MW-36-70	07-Mar-07	3,000	26.10	7.66	-128	0.54
MW-36-90	07-Mar-06	14,700	24.51	7.60	42	3.09
MW-36-90	04-Apr-06	12,700	25.58	7.12	5	2.42
MW-36-90	01-May-06	11,400	25.83	7.71	24	4.39
MW-36-90	13-Jun-06	10,300	32.50	5.84	---	---
MW-36-90	11-Jul-06	14,000	26.47	7.11	-34	0.77
MW-36-90	09-Aug-06	9,190	26.55	7.13	-96	0.82
MW-36-90	07-Sep-06	8,400	24.34	7.34	-55	1.67
MW-36-90	02-Oct-06	8,270	25.23	7.22	-20	1.04
MW-36-90	15-Nov-06	11,700	27.59	7.77	-64	1.04
MW-36-90	14-Dec-06	7,250	27.04	7.19	-39	1.68
MW-36-90	10-Jan-07	7,743	23.90	7.67	-83.3	0.21
MW-36-90	05-Feb-07	10,100	24.65	7.24	-28	0.22
MW-36-90	07-Mar-07	7,470	26.60	7.27	28	0.38
MW-36-100	13-Mar-06	17,400	25.95	7.79	-16	0.16
MW-36-100	05-Apr-06	15,300	24.66	8.31	24	0.09
MW-36-100	02-May-06	21,900	29.01	6.86	23	2.72
MW-36-100	15-Jun-06	18,200	26.71	7.13	7	3.60
MW-36-100	13-Jul-06	19,600	25.93	6.89	37	1.04
MW-36-100	09-Aug-06	14,600	25.86	7.11	67	1.60

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-36-100	08-Sep-06	16,200	25.93	7.34	-10	2.61
MW-36-100	11-Oct-06	16,500	25.40	7.07	17	0.91
MW-36-100	14-Nov-06	17,900	27.60	7.78	13	1.04
MW-36-100	11-Dec-06	21,700	28.08	7.94	-64	1.08
MW-36-100	10-Jan-07	20,300	25.42	7.10	-55	0.27
MW-36-100	05-Feb-07	23,800	25.58	7.12	-66	0.17
MW-36-100	08-Mar-07	15,700	25.40	7.23	-62	3.66
MW-37D	13-Mar-06	18,600	29.56	7.68	118	3.37
MW-37D	03-May-06	33,000	31.44	7.11	96	3.23
MW-37D	13-Oct-06	30,600	31.67	7.93	2	1.92
MW-37D	14-Dec-06	---	30.57	7.66	92	0.67
MW-37D	07-Mar-07	18,000	30.07	7.67	109	1.68
MW-37S	13-Mar-06	6,000	28.44	7.73	106	3.81
MW-37S	04-May-06	6,080	29.99	7.61	116	3.53
MW-37S	13-Oct-06	---	31.70	8.01	-12	2.48
MW-37S	07-Mar-07	4,940	29.00	7.66	109	2.60
MW-38D	10-Mar-06	23,800	28.47	7.48	112	2.09
MW-38D	12-Oct-06	26,300	30.83	7.69	-31	1.25
MW-38S	10-Mar-06	4,750	28.69	7.19	158	3.44
MW-38S	12-Oct-06	4,490	30.54	7.25	48	4.64
MW-39-40	07-Mar-06	8,450	25.57	7.76	-162	3.03
MW-39-40	02-May-06	8,150	27.41	6.89	-188	0.13
MW-39-40	05-Oct-06	12,500	25.72	7.21	-198	1.35
MW-39-40	14-Dec-06	13,200	27.53	7.13	-174	1.72
MW-39-40	05-Mar-07	8,770	28.70	5.69	-55	
MW-39-50	08-Mar-06	16,000	25.31	7.76	71	2.31
MW-39-50	02-May-06	9,380	32.00	6.56	-45	0.18
MW-39-50	05-Oct-06	11,200	25.79	7.19	-77	1.38
MW-39-60	08-Mar-06	---	25.50	7.50	12	2.10
MW-39-60	02-May-06	12,000	32.40	6.43	-39	0.19
MW-39-60	05-Oct-06	11,300	25.74	7.14	-54	1.24
MW-39-70	08-Mar-06	16,300	25.40	7.56	201	2.79
MW-39-70	06-Apr-06	12,300	25.64	7.24	88	2.13
MW-39-70	02-May-06	11,200	28.60	6.32	31	0.15
MW-39-70	14-Jun-06	10,300	27.24	5.92	197	0.02
MW-39-70	12-Jul-06	9,570	29.67	5.35	74	0.88
MW-39-70	10-Aug-06	---	26.45	7.00	67	0.60
MW-39-70	07-Sep-06	9,760	27.36	7.22	21	1.67
MW-39-70	05-Oct-06	12,200	25.78	7.01	-1	1.24
MW-39-70	14-Dec-06	8,190	27.15	7.27	2	1.79
MW-39-70	05-Mar-07	8,310	28.30	6.74	219	
MW-39-80	08-Mar-06	20,900	25.40	7.51	154	2.23
MW-39-80	06-Apr-06	15,800	25.57	7.24	86	2.00
MW-39-80	02-May-06	14,900	30.10	6.22	61	0.19

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-39-80	14-Jun-06	15,100	27.08	5.80	184	0.00
MW-39-80	12-Jul-06	14,600	28.11	5.20	69	1.07
MW-39-80	10-Aug-06	15,800	28.08	6.73	78	0.63
MW-39-80	07-Sep-06	17,500	26.29	7.08	47	1.63
MW-39-80	05-Oct-06	19,500	25.92	6.82	76	1.20
MW-39-80	15-Nov-06	17,600	28.75	7.41	52	0.95
MW-39-80	14-Dec-06	17,300	27.69	6.94	44	1.70
MW-39-80	10-Jan-07	13,900	25.27	7.31	---	0.15
MW-39-80	08-Feb-07	24,600	25.86	6.77	105	0.29
MW-39-80	05-Mar-07	10,800	28.40	4.45	269	
MW-39-100	13-Mar-06	20,400	26.93	7.59	51	0.70
MW-39-100	05-Apr-06	18,300	26.63	8.17	73	0.91
MW-39-100	02-May-06	---	28.20	6.64	67	3.48
MW-39-100	14-Jun-06	23,100	27.37	6.93	79	3.44
MW-39-100	13-Jul-06	26,200	27.57	6.81	80	1.46
MW-39-100	10-Aug-06	23,000	27.63	6.94	141	1.63
MW-39-100	08-Sep-06	20,700	27.34	7.14	46	2.75
MW-39-100	11-Oct-06	23,100	26.32	6.87	87	1.24
MW-39-100	15-Nov-06	23,000	26.30	6.97	96	2.48
MW-39-100	12-Dec-06	24,200	26.61	7.04	95	0.43
MW-39-100	10-Jan-07	19,570	27.10	6.88	75	0.49
MW-39-100	08-Feb-07	---	22.42	6.78	74	0.31
MW-39-100	12-Mar-07	20,800	26.51	6.95	139	0.70
MW-40D	08-Mar-06	18,900	31.56	7.42	45	2.13
MW-40D	03-May-06	---	32.36	6.77	66	2.53
MW-40D	05-Oct-06	20,900	32.05	7.57	84	2.14
MW-40D	13-Dec-06	---	30.86	7.40	150	0.26
MW-40D	09-Mar-07	18,600	31.68	7.42	54	0.62
MW-40S	08-Mar-06	2,670	30.87	7.50	233	7.85
MW-40S	03-May-06	3,080	31.39	6.98	92	8.47
MW-40S	05-Oct-06	2,680	32.32	7.52	92	7.32
MW-41D	15-Mar-06	24,700	30.92	7.71	-115	2.10
MW-41D	05-May-06	20,700	30.67	7.88	-136	0.33
MW-41D	04-Oct-06	24,000	31.93	7.90	-117	0.64
MW-41D	07-Mar-07	25,400	30.25	7.69	-81	0.25
MW-41M	13-Mar-06	17,900	29.77	7.66	18	2.22
MW-41M	05-May-06	15,000	30.59	7.88	88	3.47
MW-41M	05-Oct-06	19,500	29.53	7.67	87	1.91
MW-41M	08-Mar-07	18,000	29.50	7.57	104	0.50
MW-41S	13-Mar-06	9,600	27.22	7.85	48	3.36
MW-41S	05-May-06	4,760	31.33	8.09	80	2.31
MW-41S	05-Oct-06	6,000	28.65	7.83	65	3.11
MW-41S	08-Mar-07	5,090	28.58	7.78	108	1.77
MW-42-30	07-Mar-06	11,400	25.22	7.93	-154	0.36
MW-42-30	02-May-06	18,500	36.30	6.90	-160	2.29

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-42-30	03-Oct-06	19,700	27.77	7.29	-160	0.89
MW-42-30	07-Mar-07	14,400	27.20	7.60	-109	0.00
MW-42-55	07-Mar-06	16,500	25.12	7.76	-122	0.27
MW-42-55	02-May-06	21,400	37.00	6.76	-138	2.17
MW-42-55	03-Oct-06	19,100	26.35	7.30	-126	0.76
MW-42-55	14-Dec-06	16,500	24.30	7.15	-132	0.50
MW-42-55	07-Mar-07	17,700	27.20	7.31	-62	0.00
MW-42-65	07-Mar-06	20,100	24.66	7.37	-58	0.39
MW-42-65	02-May-06	25,400	36.60	6.47	-76	2.15
MW-42-65	03-Oct-06	20,400	26.39	7.05	-50	0.70
MW-42-65	14-Dec-06	18,300	23.40	6.84	-42	0.64
MW-42-65	07-Mar-07	18,500	27.10	6.03	---	0.00
MW-43-25	10-Mar-06	1,350	20.50	7.88	-153	0.29
MW-43-25	04-May-06	1,280	30.00	6.74	-176	0.45
MW-43-25	02-Oct-06	1,310	22.84	8.04	-172	0.61
MW-43-25	06-Mar-07	6,410	23.50	7.98	-168	0.00
MW-43-75	10-Mar-06	14,400	21.03	8.05	-149	0.11
MW-43-75	03-Apr-06	15,000	21.35	7.12	-148	2.33
MW-43-75	04-May-06	15,400	26.60	6.83	-167	0.34
MW-43-75	02-Oct-06	17,900	22.33	7.68	-128	1.18
MW-43-75	12-Dec-06	17,400	21.05	7.34	-109	1.18
MW-43-75	06-Mar-07	---	24.10	7.89	-151	0.00
MW-43-90	10-Mar-06	21,100	21.41	7.48	-116	0.01
MW-43-90	03-Apr-06	21,100	21.56	6.58	-97	2.32
MW-43-90	04-May-06	22,400	29.40	6.27	-124	0.38
MW-43-90	02-Oct-06	23,600	22.65	7.22	-108	0.39
MW-43-90	12-Dec-06	25,200	21.62	6.76	-85	0.46
MW-43-90	06-Mar-07	37,300	24.40	7.20	-97	0.00
MW-44-70	09-Mar-06	6,970	24.05	7.98	-393	2.38
MW-44-70	23-Mar-06	7,600	25.55	7.48	-166	2.41
MW-44-70	04-Apr-06	9,200	25.30	8.16	-96	1.60
MW-44-70	04-May-06	10,000	25.50	7.93	-156	4.49
MW-44-70	13-Jun-06	12,200	25.21	7.09	-131	4.33
MW-44-70	15-Jun-06	14,900	25.66	7.27	-118	5.38
MW-44-70	04-Oct-06	8,910	24.27	7.09	-181	2.33
MW-44-70	14-Dec-06	6,730	22.50	7.35	-129	1.69
MW-44-70	09-Mar-07	8,700	25.10	7.00	-144	0.00
MW-44-115	14-Mar-06	16,500	25.36	7.54	-11	1.49
MW-44-115	22-Mar-06	---	25.88	8.52	-74	2.98
MW-44-115	04-Apr-06	15,800	26.68	8.62	37	1.76
MW-44-115	20-Apr-06	11,400	26.70	6.87	-38	0.45
MW-44-115	26-Apr-06	15,800	25.76	7.72	-27	2.52
MW-44-115	04-May-06	17,300	26.40	8.32	-21	4.89
MW-44-115	10-May-06	22,700	26.99	7.56	7	2.23
MW-44-115	17-May-06	19,600	26.66	7.74	-10	1.85

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-44-115	31-May-06	13,100	34.75	6.85	-11	0.23
MW-44-115	13-Jun-06	17,700	25.87	7.42	-26	3.25
MW-44-115	28-Jun-06	16,800	32.60	7.50	-37	4.00
MW-44-115	12-Jul-06	17,300	25.98	7.51	14	1.23
MW-44-115	26-Jul-06	---	26.06	7.72	-31	0.56
MW-44-115	09-Aug-06	17,700	28.92	7.50	63	2.93
MW-44-115	23-Aug-06	16,800	29.02	7.31	93	0.55
MW-44-115	07-Sep-06	15,600	24.54	7.74	139	1.70
MW-44-115	21-Sep-06	14,600	24.77	7.64	57	2.65
MW-44-115	05-Oct-06	18,400	24.61	8.14	3	2.87
MW-44-115	18-Oct-06	18,300	26.40	8.25	23	0.75
MW-44-115	15-Nov-06	14,000	24.00	7.72	19	1.52
MW-44-115	12-Dec-06	18,300	24.21	7.71	116	0.64
MW-44-115	09-Jan-07	20,400	24.50	7.68	-34	0.19
MW-44-115	06-Feb-07	25,200	24.41	7.77	-53	0.16
MW-44-115	09-Mar-07	---	24.30	7.70	-33	0.08
MW-44-125	09-Mar-06	13,500	24.66	8.68	-419	2.58
MW-44-125	22-Mar-06	15,000	26.03	9.11	-280	1.53
MW-44-125	04-Apr-06	15,600	28.90	9.16	10	1.91
MW-44-125	20-Apr-06	11,400	26.80	7.84	-138	0.00
MW-44-125	26-Apr-06	16,200	26.95	8.23	-147	2.45
MW-44-125	04-May-06	17,200	27.70	8.97	-144	4.41
MW-44-125	10-May-06	23,000	29.69	8.13	-96	2.18
MW-44-125	17-May-06	19,700	27.62	8.13	-103	1.74
MW-44-125	31-May-06	13,600	34.55	7.26	-95	0.44
MW-44-125	28-Jun-06	13,000	27.71	7.30	-186	4.25
MW-44-125	11-Jul-06	12,100	37.10	6.90	-16	0.74
MW-44-125	26-Jul-06	---	28.31	7.87	-140	1.86
MW-44-125	09-Aug-06	16,800	29.13	7.70	-93	0.55
MW-44-125	28-Aug-06	17,700	28.38	8.00	-188	1.12
MW-44-125	07-Sep-06	14,600	24.30	8.14	-39	4.06
MW-44-125	20-Sep-06	16,700	25.31	8.92	-130	0.40
MW-44-125	05-Oct-06	18,000	26.46	8.39	-97	2.57
MW-44-125	18-Oct-06	18,900	25.97	8.51	-112	0.76
MW-44-125	15-Nov-06	14,200	24.50	7.98	-119	1.26
MW-44-125	13-Dec-06	14,200	24.00	8.07	-67	0.76
MW-44-125	09-Jan-07	22,700	24.74	7.99	-92	0.22
MW-44-125	06-Feb-07	12,900	24.20	7.79	-85	0.16
MW-44-125	09-Mar-07	19,100	26.90	7.25	-70	0.00
MW-45-095a	24-Mar-06	16,100	23.78	7.46	-20	2.32
MW-45-095a	13-Jul-06	22,200	25.43	7.25	45	1.39
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
MW-46-175	24-Mar-06	19,900	25.60	9.19	-93	1.87
MW-46-175	07-Apr-06	18,500	23.39	8.78	-116	2.10
MW-46-175	04-May-06	20,800	27.40	8.92	-27	4.81

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-46-175	18-May-06	20,500	28.20	8.11	-17	2.62
MW-46-175	31-May-06	15,900	36.28	7.31	37	1.23
MW-46-175	15-Jun-06	19,900	26.09	8.07	-16	3.16
MW-46-175	30-Jun-06	21,800	24.80	7.91	56	6.19
MW-46-175	12-Jul-06	19,500	26.79	7.97	38	1.48
MW-46-175	27-Jul-06	---	25.91	8.21	16	0.67
MW-46-175	09-Aug-06	21,900	28.49	8.02	65	0.72
MW-46-175	25-Aug-06	19,800	27.99	7.85	-24	1.14
MW-46-175	07-Sep-06	26,400	27.50	8.31	90	2.23
MW-46-175	21-Sep-06	18,300	25.54	8.26	43	2.32
MW-46-175	05-Oct-06	22,200	25.29	8.75	0	2.83
MW-46-175	18-Oct-06	21,900	26.74	8.86	15	0.86
MW-46-175	15-Nov-06	17,100	24.40	8.28	-118	1.11
MW-46-175	13-Dec-06	17,700	24.60	8.31	-33	0.28
MW-46-175	10-Jan-07	17,450	24.90	8.74	-159.9	0.09
MW-46-175	08-Feb-07	19,100	24.99	8.20	-91	0.27
MW-46-175	08-Mar-07	14,100	27.60	8.80	222	0.00
MW-46-205	14-Mar-06	22,600	26.27	8.02	-117	2.27
MW-46-205	24-Mar-06	24,000	26.40	9.05	-202	1.68
MW-46-205	07-Apr-06	22,400	26.16	8.66	-200	1.93
MW-46-205	04-May-06	25,900	27.46	8.76	-177	4.60
MW-46-205	15-Jun-06	24,100	25.98	7.69	-147	2.88
MW-46-205	13-Jul-06	24,900	27.02	7.85	-152	1.03
MW-46-205	10-Aug-06	22,900	27.13	7.98	-88	1.29
MW-46-205	07-Sep-06	26,000	28.00	8.21	-37	1.62
MW-46-205	05-Oct-06	27,500	26.98	8.65	-96	2.41
MW-46-205	13-Dec-06	21,000	25.10	8.21	10	0.97
MW-46-205	08-Mar-07	18,100	28.10	6.42	159	0.00
MW-47-55	23-Mar-06	5,800	28.82	7.67	-94	2.98
MW-47-55	16-May-06	4,430	29.50	7.31	22	2.89
MW-47-55	10-Oct-06	5,300	27.85	7.48	6	2.83
MW-47-55	14-Dec-06	3,970	27.60	7.64	28	2.19
MW-47-55	06-Mar-07	9,400	28.19	7.54	55	3.09
MW-47-115	23-Mar-06	15,600	29.46	7.79	-161	2.32
MW-47-115	16-May-06	18,400	29.60	7.22	-67	1.93
MW-47-115	10-Oct-06	16,800	28.45	7.59	-80	1.13
MW-47-115	14-Dec-06	14,800	27.80	7.63	-25	0.36
MW-47-115	06-Mar-07	---	28.70	7.61	-34	0.33
MW-48	18-May-06	12,300	34.53	7.02	-39	1.53
MW-48	06-Jun-06	15,000	41.55	6.37	-128	0.63
MW-48	06-Oct-06	21,600	33.61	7.01	-65	1.49
MW-48	13-Dec-06	58,200	25.46	7.39	-8	3.51
MW-48	06-Mar-07	20,700	30.63	7.50	-128	0.91
MW-49-135	25-Apr-06	18,800	25.69	7.55	-167	2.42
MW-49-135	18-May-06	17,100	26.68	7.21	-178	2.29

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
MW-49-135	12-Oct-06	21,200	24.94	7.73	-200	1.90
MW-49-135	15-Dec-06	27,700	25.30	7.50	-157	0.26
MW-49-135	09-Mar-07	30,500	25.40	7.50	-173	0.25
MW-49-275	25-Apr-06	29,400	29.06	7.88	-143	3.35
MW-49-275	18-May-06	26,700	29.92	7.68	-214	2.17
MW-49-275	12-Oct-06	31,100	28.34	8.21	-252	1.82
MW-49-275	15-Dec-06	30,000	29.51	8.29	-213	1.68
MW-49-275	09-Mar-07	37,700	27.60	7.94	-228	0.24
MW-49-365	26-Apr-06	37,600	28.97	7.85	-244	2.19
MW-49-365	16-May-06	44,900	32.14	7.68	-192	1.80
MW-49-365	12-Oct-06	47,700	28.83	8.07	-275	1.43
MW-49-365	15-Dec-06	44,400	30.09	8.31	-172	1.72
MW-49-365	09-Mar-07	42,800	30.20	7.49	-237	0.00
MW-50-095	09-May-06	5,480	31.23	7.20	30	3.00
MW-50-095	24-May-06	---	31.08	7.36	50	3.42
MW-50-095	10-Oct-06	7,120	28.57	7.72	24	2.85
MW-50-095	12-Dec-06	4,590	28.30	7.79	112	2.40
MW-50-095	07-Mar-07	5,060	29.13	7.77	108	2.99
MW-50-200	09-May-06	20,200	33.28	7.29	-11	1.91
MW-50-200	24-May-06	37,000	32.25	7.10	60	4.11
MW-50-200	10-Oct-06	28,100	28.96	7.70	93	2.99
MW-50-200	12-Dec-06	20,600	29.50	7.77	123	3.17
MW-50-200	07-Mar-07	25,600	29.83	7.78	114	3.22
MW-51	12-May-06	12,100	34.29	6.35	92	2.51
MW-51	30-May-06	10,600	33.16	7.40	17	1.53
MW-51	06-Oct-06	13,800	29.21	7.41	119	3.79
MW-51	12-Dec-06	10,800	30.00	7.40	129	3.07
MW-51	06-Mar-07	---	32.10	7.62	252	2.48
OW-3D	09-Mar-06	7,840	29.71	7.66	-1	2.00
OW-3D	06-Oct-06	11,500	30.78	8.96	52	2.05
OW-3D	09-Mar-07	7,950	30.81	7.92	76	0.42
OW-3M	09-Mar-06	5,550	29.72	7.70	-41	2.38
OW-3M	12-Oct-06	6,320	31.85	8.42	75	1.30
OW-3M	09-Mar-07	5,250	30.31	7.83	112	0.99
OW-3S	09-Mar-06	2,480	29.23	7.43	57	6.77
OW-3S	12-Oct-06	2,840	31.80	8.18	85	6.01
OW-3S	09-Mar-07	1,830	29.82	7.43	165	7.19
Park Moabi	06-Mar-06	1,110	29.10	8.01	275	4.67
Park Moabi	03-May-06	1,510	29.30	8.28	112	---
Park Moabi	04-Oct-06	1,630	30.03	7.74	69	
TW-2D	15-Mar-06	8,470	26.30	7.46	5	5.20
TW-2D	03-May-06	8,490	28.70	8.35	82	6.10
TW-2D	04-Oct-06	11,900	29.06	7.38	162	4.91
TW-2S	15-Mar-06	3,200	27.97	7.84	-38	7.53

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Monitoring Wells						
TW-2S	03-May-06	3,150	28.80	8.20	80	6.75
TW-2S	04-Oct-06	3,470	28.95	7.60	224	6.70
TW-4	18-May-06	15,600	32.70	7.05	-97	0.56
TW-4	05-Jun-06	18,300	35.62	6.35	-131	0.00
TW-4	09-Oct-06	24,700	30.04	7.55	12	1.11
TW-4	07-Mar-07	25,800	29.11	7.72	37	0.28
TW-5	10-May-06	15,100	32.57	7.09	-161	0.60
TW-5	01-Jun-06	10,600	34.87	6.72	17	1.51
TW-5	09-Oct-06	15,800	29.90	7.79	60	1.12
Shoreline Surface Water Station						
CON	06-Mar-06	---	12.70	8.51	299	10.69
CON	07-Apr-06	1,560	20.59	8.77	---	9.36
CON	03-May-06	913	19.48	8.76	216	8.83
CON	15-Jun-06	960	19.10	6.80	147	7.99
CON	12-Jul-06	760	29.75	5.67	82	6.68
CON	08-Aug-06	---	22.33	8.00	118	9.77
CON	06-Sep-06	1,310	23.80	8.70	58	7.98
CON	04-Oct-06	1,290	20.95	8.02	184	9.18
CON	15-Nov-06	1,470	20.03	8.64	134	7.26
CON	19-Dec-06	1,200	11.69	8.36	190	10.75
CON	22-Jan-07	586	7.66	8.21	144	11.57
CON	14-Mar-07	799	14.07	8.12	167	10.29
I-3	06-Mar-06	930	12.84	7.40	217	12.20
I-3	07-Apr-06	1,250	20.11	8.53	---	9.57
I-3	03-May-06	920	18.20	8.60	182	10.63
I-3	15-Jun-06	920	21.28	7.11	151	6.88
I-3	12-Jul-06	900	36.93	---	76	6.69
I-3	10-Aug-06	1,430	22.47	7.88	102	8.62
I-3	06-Sep-06	1,500	23.90	8.72	60	8.00
I-3	04-Oct-06	1,300	22.31	8.03	177	
I-3	15-Nov-06	1,180	20.03	8.59	191	7.01
I-3	19-Dec-06	1,190	11.68	8.26	231	10.71
I-3	22-Jan-07	591	7.72	8.18	225	11.42
I-3	13-Mar-07	725	14.63	8.98	136	8.67
NR-1	06-Mar-06	---	12.35	8.38	296	11.18
NR-1	07-Apr-06	1,140	15.10	8.87	80	11.79
NR-1	03-May-06	904	18.02	8.83	230	10.24
NR-1	16-Jun-06	970	21.34	6.86	152	7.67
NR-1	13-Jul-06	900	30.13	5.74	78	6.61
NR-1	08-Aug-06	1,530	21.93	7.95	105	10.44
NR-1	06-Sep-06	1,320	23.90	8.74	59	8.05
NR-1	04-Oct-06	1,290	20.53	8.01	180	9.17
NR-1	15-Nov-06	1,540	19.62	8.69	132	7.58
NR-1	19-Dec-06	1,180	11.87	8.34	187	10.90
NR-1	22-Jan-07	589	7.69	8.22	146	11.75

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Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Shoreline Surface Water Station						
NR-1	14-Mar-07	797	13.88	8.14	154	10.24
NR-2	06-Mar-06	---	12.76	8.50	296	11.08
NR-2	07-Apr-06	913	13.72	8.40	83	13.27
NR-2	03-May-06	910	17.81	8.84	230	9.91
NR-2	16-Jun-06	950	22.13	6.85	149	7.42
NR-2	13-Jul-06	999	24.17	5.83	79	6.77
NR-2	08-Aug-06	1,890	21.91	7.98	106	9.85
NR-2	06-Sep-06	1,320	24.50	8.75	56	8.23
NR-2	04-Oct-06	1,290	20.46	8.00	179	9.21
NR-2	15-Nov-06	1,510	20.15	8.72	127	7.22
NR-2	20-Dec-06	1,200	11.86	8.35	183	10.76
NR-2	22-Jan-07	581	7.64	8.23	143	11.79
NR-2	13-Mar-07	796	13.90	8.13	154	10.08
NR-3	06-Mar-06	---	12.16	8.40	294	11.49
NR-3	07-Apr-06	912	14.82	8.41	93	10.82
NR-3	03-May-06	1,140	17.50	8.84	225	9.91
NR-3	16-Jun-06	900	24.31	6.85	145	6.91
NR-3	13-Jul-06	930	22.40	5.83	83	7.92
NR-3	08-Aug-06	---	21.90	7.95	131	9.43
NR-3	06-Sep-06	1,400	26.00	8.84	62	8.71
NR-3	04-Oct-06	1,290	20.41	8.01	178	9.20
NR-3	15-Nov-06	1,530	20.18	8.69	125	7.18
NR-3	20-Dec-06	1,200	11.82	8.40	176	10.79
NR-3	22-Jan-07	588	7.64	8.24	144	11.77
NR-3	13-Mar-07	789	13.98	8.15	155	10.62
R-22	06-Mar-06	---	12.48	8.09	290	11.83
R-22	03-May-06	918	17.97	8.74	184	9.45
R-22	15-Jun-06	940	20.16	6.97	147	7.82
R-22	12-Jul-06	900	29.35	5.65	82	6.74
R-22	08-Aug-06	---	22.01	7.41	162	10.28
R-22	07-Sep-06	1,320	23.40	7.89	90	9.49
R-22	04-Oct-06	1,300	22.32	8.11	190	
R-22	15-Nov-06	1,360	20.20	8.49	161	6.98
R-22	20-Dec-06	1,170	11.10	8.42	226	10.75
R-22	22-Jan-07	580	8.01	8.21	213	11.57
R-22	13-Mar-07	737	15.34	8.20	119	9.22
R-27	06-Mar-06	900	12.69	8.19	287	11.47
R-27	07-Apr-06	990	19.36	8.41	17	9.28
R-27	03-May-06	901	18.48	8.81	205	10.23
R-27	15-Jun-06	950	19.42	6.88	149	7.59
R-27	12-Jul-06	940	24.20	5.60	82	8.56
R-27	08-Aug-06	---	21.98	7.90	143	9.78
R-27	07-Sep-06	1,220	23.70	8.09	80	9.47
R-27	04-Oct-06	1,300	21.61	8.11	177	
R-27	15-Nov-06	1,330	20.11	8.52	151	7.09
R-27	20-Dec-06	1,130	11.11	8.61	226	10.93

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PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
Shoreline Surface Water Station						
R-27	22-Jan-07	586	7.89	8.22	212	11.60
R-27	13-Mar-07	735	15.48	8.15	87	9.58
R-28	06-Mar-06	900	12.53	8.17	287	12.39
R-28	07-Apr-06	937	17.48	8.47	26	9.88
R-28	03-May-06	921	18.36	8.85	212	9.89
R-28	15-Jun-06	950	19.85	6.85	149	8.41
R-28	13-Jul-06	990	24.75	5.90	83	5.96
R-28	08-Aug-06	---	22.26	7.95	115	9.80
R-28	07-Sep-06	1,240	24.10	8.08	82	9.52
R-28	04-Oct-06	1,300	21.37	8.10	175	
R-28	15-Nov-06	1,430	20.09	8.58	143	7.20
R-28	20-Dec-06	1,260	11.92	8.29	224	11.01
R-28	22-Jan-07	587	8.00	8.18	175	12.36
R-28	13-Mar-07	794	14.07	8.10	149	10.56
RRB	06-Mar-06	920	15.04	8.41	275	11.68
RRB	07-Apr-06	1,270	20.08	8.28	12	9.46
RRB	03-May-06	1,170	23.33	8.28	190	9.73
RRB	16-Jun-06	900	25.76	6.90	162	7.19
RRB	12-Jul-06	950	27.35	5.73	78	7.48
RRB	10-Aug-06	1,440	24.53	8.26	129	7.31
RRB	06-Sep-06	1,440	27.70	8.62	69	5.84
RRB	04-Oct-06	1,350	24.04	7.93	202	
RRB	15-Nov-06	1,470	19.93	8.60	137	7.09
RRB	20-Dec-06	5,350	9.78	7.80	2.34	---
RRB	22-Jan-07	590	7.81	8.20	166	12.34
RRB	13-Mar-07	792	15.75	8.04	187	9.68
In-Channel Surface Water Station						
C-CON-D	22-Mar-06	1,130	14.23	8.25	191	11.51
C-CON-M	22-Mar-06	1,140	14.10	8.25	202	11.08
C-CON-S	22-Mar-06	1,130	14.26	8.27	205	11.03
C-CON-D	15-Jun-06	1,010	19.32	6.61	116	8.81
C-CON-M	15-Jun-06	970	19.33	6.71	110	8.57
C-CON-S	15-Jun-06	960	19.26	6.76	133	7.22
C-CON-D	03-Oct-06	1,160	22.04	7.95	167	10.21
C-CON-M	03-Oct-06	1,160	21.65	7.93	168	9.30
C-CON-S	03-Oct-06	1,170	21.49	7.94	168	9.45
C-CON-D	16-Nov-06	1,910	21.52	7.33	112	9.68
C-CON-M	16-Nov-06	1,920	20.18	7.30	136	8.60
C-CON-S	16-Nov-06	1,840	19.55	7.28	139	9.14
C-CON-D	19-Dec-06	---	13.00	8.27	194	11.98
C-CON-M	19-Dec-06	1,210	12.47	8.51	192	12.53
C-CON-S	19-Dec-06	1,120	12.92	8.36	193	12.18
C-CON-D	22-Jan-07	571	14.01	8.36	132	8.92
C-CON-M	22-Jan-07	520	13.02	8.31	117	9.55
C-CON-S	22-Jan-07	529	12.30	8.27	108	9.20
C-CON-D	20-Feb-07	1,140	12.85	8.16	74	12.53

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Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
In-Channel Surface Water Station						
C-CON-D	13-Mar-07	815	14.06	8.24	171	11.06
C-CON-M	13-Mar-07	806	14.11	8.13	167	10.44
C-CON-S	13-Mar-07	799	14.08	8.13	164	10.37
C-I-3-D	23-Mar-06	835	14.40	8.71	137	10.94
C-I-3-M	23-Mar-06	836	14.28	8.71	137	10.32
C-I-3-S	23-Mar-06	833	14.41	3.99	138	10.56
C-I-3-D	15-Jun-06	930	21.80	7.12	131	6.61
C-I-3-M	15-Jun-06	930	21.13	7.12	133	7.11
C-I-3-S	15-Jun-06	910	21.00	7.12	133	6.81
C-I-3-D	03-Oct-06	1,210	20.36	7.92	168	9.91
C-I-3-M	03-Oct-06	1,160	20.39	7.94	169	9.43
C-I-3-S	03-Oct-06	1,150	20.54	7.93	175	9.44
C-I-3-D	15-Nov-06	1,960	20.61	8.69	99	9.13
C-I-3-M	15-Nov-06	2,780	19.94	8.75	96	9.20
C-I-3-S	15-Nov-06	2,860	20.50	8.74	97	8.63
C-I-3-D	19-Dec-06	1,200	11.77	8.31	211	11.10
C-I-3-M	19-Dec-06	1,200	11.98	8.32	213	11.34
C-I-3-S	19-Dec-06	1,130	12.04	8.33	213	11.11
C-I-3-D	23-Jan-07	550	14.29	8.22	128	8.92
C-I-3-M	23-Jan-07	575	12.48	8.17	127	9.56
C-I-3-S	23-Jan-07	604	10.59	8.17	127	10.57
C-I-3-D	20-Feb-07	1,140	12.40	8.14	73	11.93
C-I-3-D	13-Mar-07	741	16.20	8.09	132	9.13
C-I-3-M	13-Mar-07	692	18.53	8.11	135	8.96
C-I-3-S	13-Mar-07	730	15.13	8.19	130	9.16
C-MAR-M	23-Mar-06	972	13.86	7.22	157	12.39
C-MAR-D	15-Jun-06	900	29.32	7.18	143	4.95
C-MAR-S	15-Jun-06	900	29.75	7.05	144	6.05
C-MAR-M	03-Oct-06	1,210	23.66	7.76	166	9.73
C-MAR-M	16-Nov-06	3,240	18.21	7.02	124	8.52
C-MAR-M	19-Dec-06	2,700	10.64	8.22	205	11.30
C-MAR-M	23-Jan-07	628	9.38	8.27	107	11.27
C-MAR-D	20-Feb-07	1,170	13.60	8.12	78	10.88
C-MAR-D	13-Mar-07	803	17.47	8.18	96	8.70
C-MAR-S	13-Mar-07	786	17.16	8.01	94	8.45
C-NR1-D	22-Mar-06	1,120	13.94	8.26	200	11.20
C-NR1-M	22-Mar-06	1,140	14.10	8.25	205	11.00
C-NR1-S	22-Mar-06	1,140	14.23	8.25	206	11.01
C-NR1-D	16-Jun-06	920	25.67	6.93	118	6.65
C-NR1-M	16-Jun-06	910	25.90	6.91	117	6.50
C-NR1-S	16-Jun-06	900	26.90	6.90	117	4.32
C-NR1-D	04-Oct-06	1,300	20.28	7.64	190	9.58
C-NR1-M	04-Oct-06	1,290	20.26	7.84	170	9.13
C-NR1-S	04-Oct-06	1,290	20.39	7.89	170	9.26
C-NR1-D	16-Nov-06	1,520	19.33	7.21	149	9.10
C-NR1-M	16-Nov-06	1,700	19.23	7.25	145	8.98

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In-Channel Surface Water Station						
C-NR1-S	16-Nov-06	1,720	19.67	7.27	142	8.67
C-NR1-D	19-Dec-06	1,770	12.55	8.32	198	12.31
C-NR1-M	19-Dec-06	2,330	12.24	8.37	196	12.61
C-NR1-S	19-Dec-06	1,920	12.13	8.38	197	12.31
C-NR1-D	22-Jan-07	491	15.14	8.23	138	8.38
C-NR1-M	22-Jan-07	575	12.99	8.22	136	9.74
C-NR1-S	22-Jan-07	530	11.93	8.21	135	9.39
C-NR1-D	20-Feb-07	1,020	12.70	8.21	81	11.86
C-NR1-D	14-Mar-07	833	14.90	8.18	161	10.35
C-NR1-M	14-Mar-07	785	14.94	8.14	159	9.78
C-NR1-S	14-Mar-07	821	14.67	8.16	158	10.14
C-NR3-D	22-Mar-06	1,140	13.56	8.22	188	11.04
C-NR3-M	22-Mar-06	1,160	13.65	8.19	199	10.97
C-NR3-S	22-Mar-06	1,120	13.71	8.23	205	10.96
C-NR3-D	16-Jun-06	940	25.54	6.85	123	6.84
C-NR3-M	16-Jun-06	910	24.94	6.85	118	6.90
C-NR3-S	16-Jun-06	920	25.43	6.86	118	6.11
C-NR3-D	04-Oct-06	1,290	20.49	7.93	166	9.77
C-NR3-M	04-Oct-06	1,290	20.42	7.99	169	9.35
C-NR3-S	04-Oct-06	1,300	20.46	7.99	171	9.41
C-NR3-D	16-Nov-06	1,530	19.38	7.21	153	9.23
C-NR3-M	16-Nov-06	1,380	19.19	7.14	160	9.01
C-NR3-S	16-Nov-06	1,490	19.10	7.17	156	8.82
C-NR3-D	19-Dec-06	2,010	12.27	8.32	204	12.68
C-NR3-M	19-Dec-06	1,690	12.16	8.35	204	12.70
C-NR3-S	19-Dec-06	1,170	12.40	8.36	204	12.15
C-NR3-D	22-Jan-07	528	12.57	8.23	144	9.67
C-NR3-M	22-Jan-07	541	11.96	8.23	142	9.53
C-NR3-S	22-Jan-07	538	11.61	8.23	140	9.66
C-NR3-D	20-Feb-07	1,010	12.50	8.22	79	12.00
C-NR3-D	14-Mar-07	813	15.48	8.20	157	10.59
C-NR3-M	14-Mar-07	833	14.48	8.14	155	10.64
C-NR3-S	14-Mar-07	834	14.62	8.14	155	10.87
C-NR4-D	22-Mar-06	1,100	12.81	8.14	192	10.92
C-NR4-M	22-Mar-06	1,130	13.23	8.28	182	10.87
C-NR4-S	22-Mar-06	1,130	13.30	8.29	185	10.92
C-NR4-D	16-Jun-06	1,110	25.28	6.31	161	7.09
C-NR4-M	16-Jun-06	960	22.92	6.64	121	6.91
C-NR4-S	16-Jun-06	950	22.78	6.78	112	6.77
C-NR4-D	04-Oct-06	1,300	20.52	8.06	168	9.68
C-NR4-M	04-Oct-06	1,330	20.62	8.02	169	9.48
C-NR4-S	04-Oct-06	1,340	20.73	8.09	171	9.49
C-NR4-D	16-Nov-06	1,280	18.88	7.10	213	8.54
C-NR4-M	16-Nov-06	1,310	19.51	7.11	175	8.67
C-NR4-S	16-Nov-06	1,310	19.00	7.12	184	8.68
C-NR4-D	20-Dec-06	1,260	11.38	7.70	243	10.59

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
In-Channel Surface Water Station						
C-NR4-M	20-Dec-06	1,220	11.61	7.88	243	10.51
C-NR4-S	20-Dec-06	1,210	11.63	8.09	240	10.52
C-NR4-D	22-Jan-07	527	12.80	8.23	150	8.93
C-NR4-M	22-Jan-07	550	10.87	8.22	149	9.92
C-NR4-S	22-Jan-07	553	10.60	8.22	147	10.12
C-NR4-D	20-Feb-07	1,040	12.83	8.22	80	12.11
C-NR4-D	14-Mar-07	811	15.05	8.15	157	10.19
C-NR4-M	14-Mar-07	793	17.26	8.14	155	9.30
C-NR4-S	14-Mar-07	790	14.85	8.15	157	10.02
C-R22-D	23-Mar-06	835	14.24	8.65	131	10.96
C-R22-M	23-Mar-06	838	14.10	8.67	131	10.16
C-R22-S	23-Mar-06	840	14.35	8.68	133	10.56
C-R22-D	15-Jun-06	950	20.23	7.03	137	8.60
C-R22-M	15-Jun-06	940	20.03	7.03	138	7.82
C-R22-S	15-Jun-06	940	19.95	7.04	138	6.72
C-R22-D	03-Oct-06	1,250	20.15	7.23	163	9.16
C-R22-M	03-Oct-06	1,170	20.24	7.66	150	9.33
C-R22-S	03-Oct-06	1,160	20.12	7.80	158	9.07
C-R22-D	15-Nov-06	2,150	20.70	8.77	98	9.18
C-R22-M	15-Nov-06	3,390	20.34	8.83	95	9.24
C-R22-S	15-Nov-06	3,210	21.01	8.77	97	8.59
C-R22-D	19-Dec-06	1,190	11.95	8.36	209	11.28
C-R22-M	19-Dec-06	1,160	11.93	8.35	211	11.20
C-R22-S	19-Dec-06	1,150	11.97	8.40	211	11.22
C-R22-D	23-Jan-07	627	9.55	8.23	124	11.24
C-R22-M	23-Jan-07	627	9.13	8.25	122	11.38
C-R22-S	23-Jan-07	630	9.02	8.27	120	12.18
C-R22-D	20-Feb-07	1,010	12.47	8.17	73	11.85
C-R22-S	13-Mar-07	724	15.39	8.20	110	8.50
C-R22-D	14-Mar-07	729	15.21	8.20	106	8.52
C-R22-M	14-Mar-07	730	15.06	8.20	109	8.48
C-R27-M	23-Mar-06	848	14.28	8.47	126	11.69
C-R27-D	15-Jun-06	950	19.75	6.93	138	8.46
C-R27-M	15-Jun-06	940	19.85	6.94	139	9.48
C-R27-S	15-Jun-06	950	19.85	6.96	140	7.51
C-R27-D	03-Oct-06	1,210	21.31	7.94	174	9.76
C-R27-M	03-Oct-06	1,140	21.49	8.00	168	9.07
C-R27-S	03-Oct-06	1,150	21.45	7.95	165	9.54
C-R27-D	15-Nov-06	1,760	20.88	7.32	116	9.99
C-R27-S	15-Nov-06	2,080	19.77	7.34	117	9.56
C-R27-M	19-Dec-06	1,180	12.02	8.36	216	11.36
C-R-27-D	23-Jan-07	632	9.31	8.29	115	11.30
C-R-27-M	23-Jan-07	635	9.15	8.30	112	11.99
C-R27-S	23-Jan-07	633	9.19	8.29	110	11.53
C-R27-D	20-Feb-07	1,020	12.73	8.17	72	11.69
C-R27-D	13-Mar-07	732	15.21	8.20	93	9.26

TABLE 8
Field Water Quality Measurements, March 2006 through March 2007
PG&E Topock Groundwater and Surface Water Monitoring Program

Location	Sampling Date	Specific Conductance (µS/cm)	Temperature (°C)	pH	ORP (mV)	Dissolved Oxygen (mg/L)
In-Channel Surface Water Station						
C-R27-M	13-Mar-07	733	16.06	8.20	97	8.88
C-R27-S	13-Mar-07	739	16.65	8.18	98	8.70
C-TAZ-D	23-Mar-06	834	14.60	8.72	138	11.60
C-TAZ-M	23-Mar-06	835	14.76	8.70	139	11.54
C-TAZ-S	23-Mar-06	833	15.10	8.71	140	11.61
C-TAZ-D	15-Jun-06	900	28.71	7.19	135	5.22
C-TAZ-M	15-Jun-06	910	28.18	7.13	137	3.46
C-TAZ-S	15-Jun-06	910	28.53	7.11	143	3.37
C-TAZ-D	03-Oct-06	1,190	20.38	7.86	164	10.12
C-TAZ-M	03-Oct-06	1,170	20.36	7.93	165	9.72
C-TAZ-S	03-Oct-06	1,170	20.38	7.94	168	9.21
C-TAZ-D	15-Nov-06	2,350	20.63	8.68	99	8.60
C-TAZ-M	15-Nov-06	2,100	19.96	8.66	101	8.84
C-TAZ-S	15-Nov-06	1,900	19.89	8.56	107	8.82
C-TAZ-D	19-Dec-06	1,140	11.78	8.15	210	10.94
C-TAZ-M	19-Dec-06	1,120	11.79	8.31	215	11.08
C-TAZ-S	19-Dec-06	1,120	11.83	8.35	217	11.07
C-TAZ-D	23-Jan-07	620	12.09	8.07	190	9.87
C-TAZ-M	23-Jan-07	617	10.40	8.09	186	10.43
C-TAZ-S	23-Jan-07	611	9.82	8.15	178	10.53
C-TAZ-D	20-Feb-07	1,020	12.28	7.17	66	12.00
C-TAZ-D	13-Mar-07	733	15.78	7.15	156	9.11
C-TAZ-M	13-Mar-07	727	15.03	7.76	149	9.18
C-TAZ-S	13-Mar-07	724	14.70	7.98	144	8.30

NOTES:

µS/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 parameters from MW-33-40 in March 2006 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

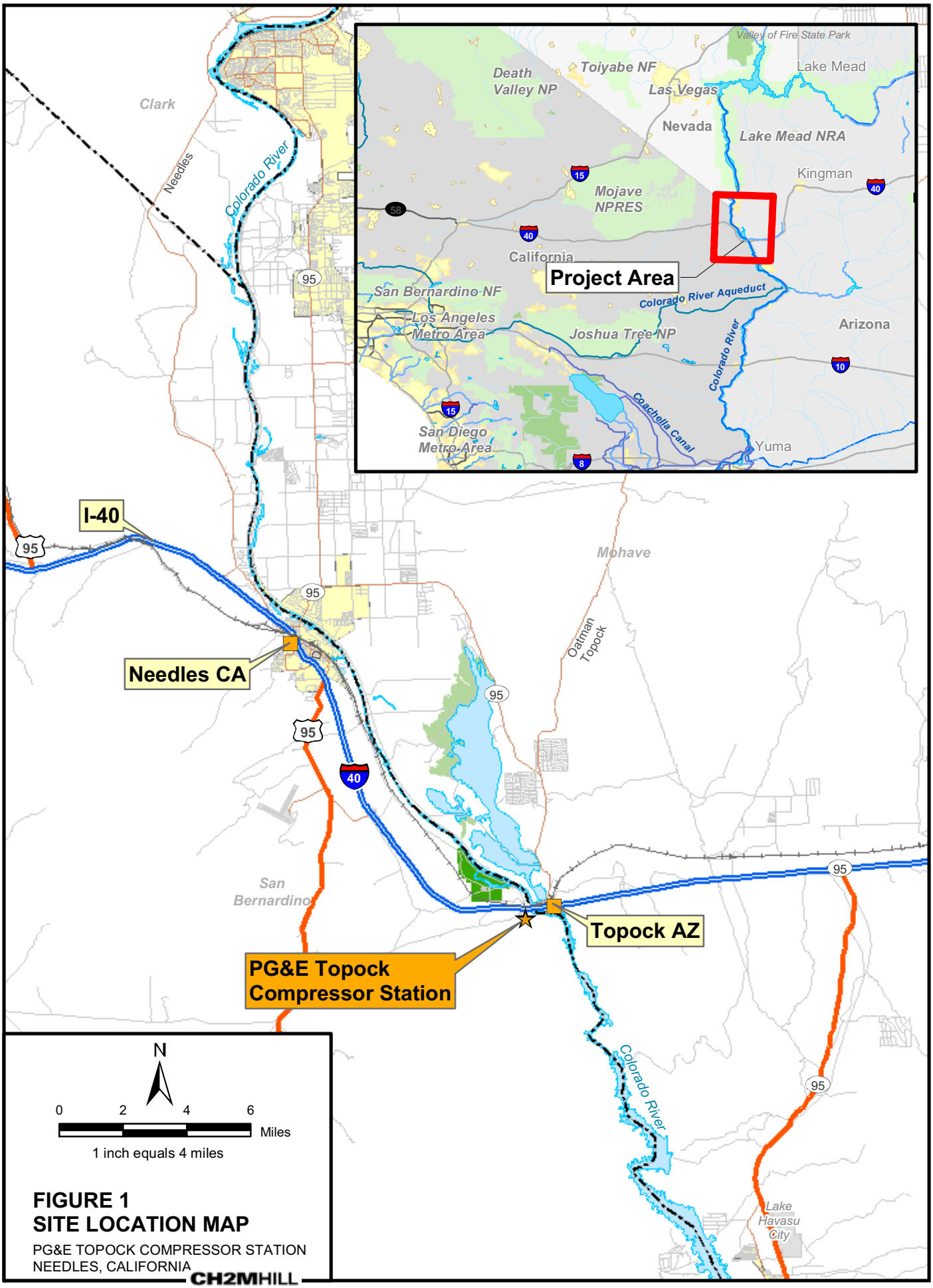

FIGURE 1
SITE LOCATION MAP

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

CH2MHILL

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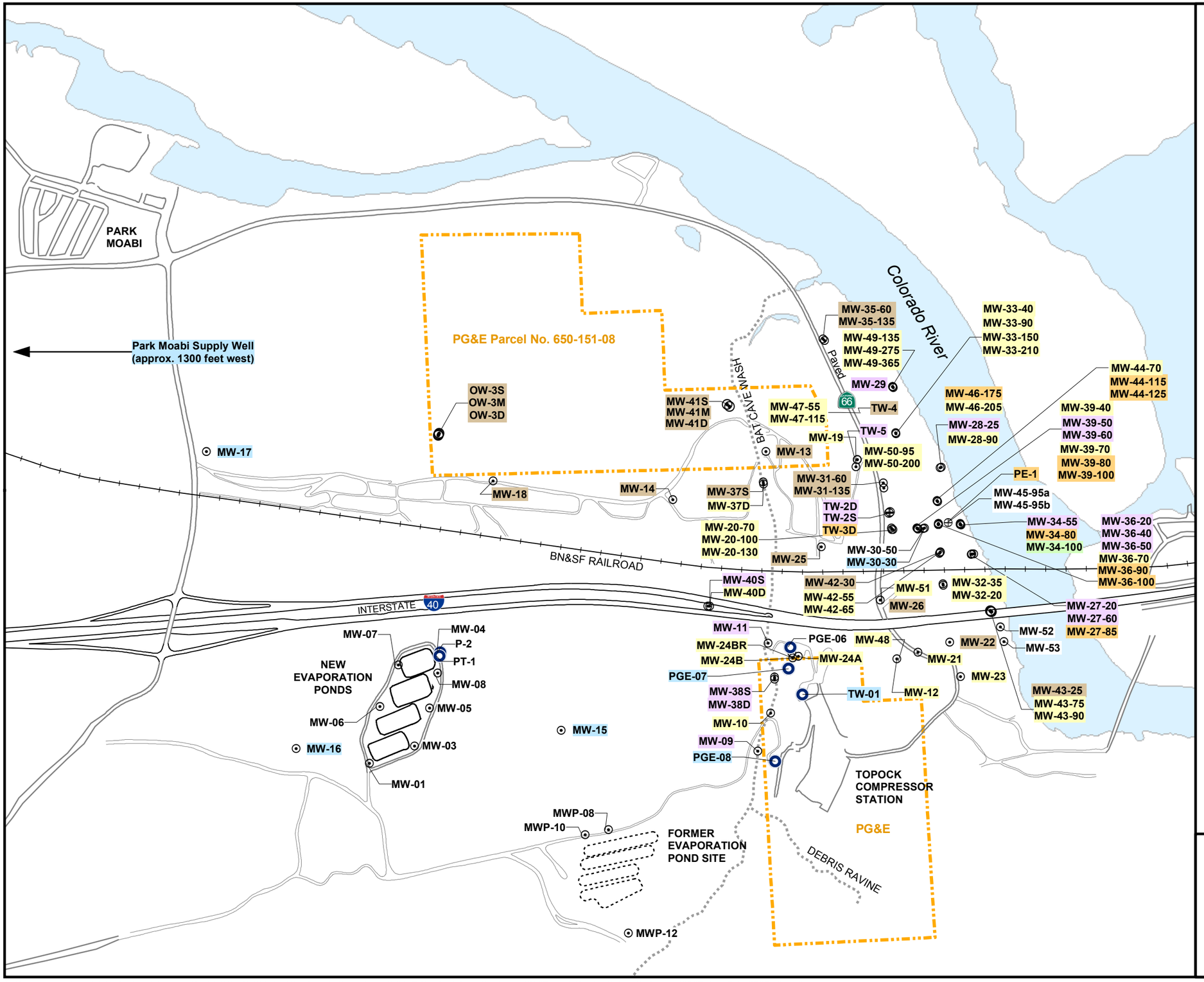


LEGEND

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

Sampling Frequency for Groundwater and Surface Water Monitoring Program (GMP) - March 2007

PGE-08	Biennial Sampling
MW-09	Annual Sampling
MW-25	Semi-Annual Sampling
MW-10	Quarterly Sampling
MW-39-100	Monthly Sampling
MW-34-100	Bi-Weekly Sampling

N

0 500 1,000 Feet

California State Plane NAD83 Zone 5 US Feet

FIGURE 2
MONITORING LOCATIONS AND SAMPLING FREQUENCY FOR GMP MARCH 2007
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

CH2MHILL

N

0 1,000 2,000 Feet

LEGEND

- Shoreline Surface Water Monitoring Location
- River Channel Surface Water Monitoring Location

C-NR4
C-NR3
NR-3
NR-2
C-NR1
NR-1
C-CON
CON
RRB
R-28
MW-34 Cluster
C-R27
R-27
C-MAR
R-22
C-R22
C-I3
I-3
C-TAZ
Park Moabi
PG&E Parcel No. 650-151-08
Colorado River
Topock Marsh
Topock Marina
BN & SF RAILROAD
INTERSTATE 40
BAT CAVE WASH
NEW EVAPORATION PONDS
FORMER EVAPORATION POND SITE
TOPOCK COMPRESSOR STATION
PG&E
DEBRIS RAVINE

FIGURE 3
SURFACE WATER MONITORING LOCATIONS MARCH 2007

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

CH2MHILL

BAO \\ZINFANDEL\PROJ\PACIFICGASELECTRICCO\TOPOCKPROGRAM\GIS\MAPFILES\2007\GMP_RIVER_SWLOCS_MAR07.MXD GMP_RIVER_SWLOCS_MAR07.PDF 4/6/2007 13:34:59

NR-3
ND (0.2)

NR-2
ND (0.2)

NR-1
ND (0.2)

CON
ND (0.2)

PARK
MOABI

RRB
ND (0.2)

Colorado River

MW-35-060
31.3

MW-33-040
ND (0.2)

MW-28-025
ND (0.2) *

MW-39-040
ND (1.0)

R-28
ND (0.2)

MW-29
ND (0.2) *

MW-30-030
ND (2.0) *

MW-47-055
54.6

MW-36-020
ND (1.0) *

MW-41S
19.9

BAT CAVE WASH

MW-36-040
ND (1.0) *

MW-19
1,040

MW-42-030
ND (0.2)

OW-03S
22.8

MW-17
11.9 *

MW-18
35.6

MW-13
23.4

R-27
ND (0.2)

MW-14
13

MW-31-060
626

MW-27-020
ND (0.2) *

TW-02S
1,920 *

MW-32-020
ND (2.0)

BN&SF RAILROAD

50

MW-25
945

MW-32-035
ND (1.0)

MW-20-070
2,820

MW-43-025
ND (0.2)

INTERSTATE 40

MW-26
3,440

MW-40S
5.2 *

R-22
ND (0.2)

MW-11
325 *

MW-24A
3,540

MW-22
ND (1.0)

NEW
EVAPORATION
PONDS

MW-38S
846 *

MW-21
ND (1.0)

TW-01
3,990 *

I-3
ND (0.2)

MW-15
12.1 *

MW-16
7.0 *

MW-10
1,640

MW-12
2,630

MW-09
308 *

50

TOPOCK
COMPRESSOR
STATION

FORMER
EVAPORATION
POND SITE

DEBRIS RAVINE

LEGEND

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

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 **Upper** Depth Interval of Alluvial Aquifer, March 2007 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 March 2007.

Cr(VI) Concentrations in Water 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 >= 50 µg/L (California drinking water standard for Total Chromium)

N

0 500 1,000 Feet

FIGURE 4A
CR(VI) SAMPLING RESULTS
UPPER DEPTH INTERVAL OF AQUIFER
1ST QUARTER 2007 MONITORING EVENT
GROUNDWATER AND SURFACE WATER
MONITORING PROGRAM
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

CH2MHILL

Projected limits of Colorado River (projected down from the ground surface)

Colorado River

BAT CAVE WASH

BN&SF RAILROAD

INTERSTATE 40

OW-03M
18.3

MW-41M
10

MW-37S
7.8

MW-50-095
274

MW-33-090
17.1

MW-44-070
ND (1.0)

MW-30-050
ND (0.2) *

MW-20-100
9,470

MW-39-050
ND (0.2) *

MW-39-060
ND (1.0) *

MW-39-070
35

MW-51
4,690

MW-36-050
ND (0.2) *

MW-36-070
ND (0.2)

MW-34-055
ND (0.2) *

MW-42-055
ND (0.2)

MW-42-065
ND (0.2)

MW-27-060
ND (1.0) *

PGE-06
1,630 *

50

50

NEW EVAPORATION PONDS

FORMER EVAPORATION POND SITE

TOPOCK COMPRESSOR STATION

DEBRIS RAVINE

LEGEND

- Monitoring, Test, or Supply Well
- Extraction Well

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 **Middle** Depth Interval of Alluvial Aquifer, March 2007 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 March 2007.

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

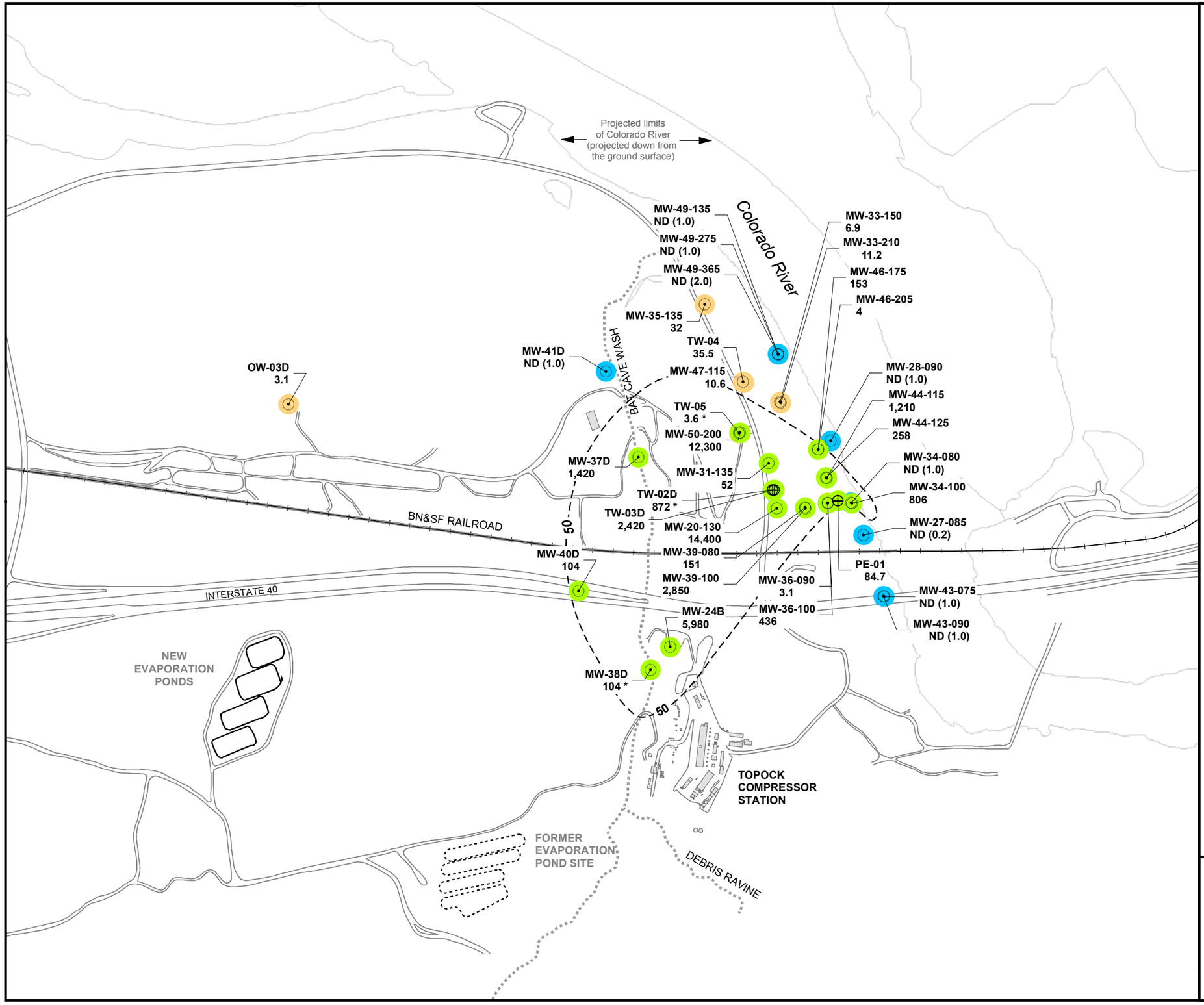
50 Approximate outline of monitoring wells with Cr(VI) concentrations >= 50 µg/L (California drinking water standard for Total Chromium)

N

0 500 1,000 Feet

FIGURE 4B
CR(VI) SAMPLING RESULTS
MIDDLE DEPTH INTERVAL OF AQUIFER
1ST QUARTER 2007 MONITORING EVENT
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

CH2MHILL



LEGEND

- Monitoring, Test, or Supply Well
- Extraction Well

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, March 2007 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 March 2007.

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 >= 50 µg/L (California drinking water standard for Total Chromium)

Refer to the Performance Monitoring Report for March 2007 Figure 3-1 for the basis of the 50 µg/L outline shown in the floodplain area. The Cr(VI) distribution map for the lower depth interval incorporates all available data and depicts the inferred location of the Cr(VI) plume based upon analysis of the relevant hydrogeologic, water quality, and geochemical data collected during 2005-2007 site monitoring. There is no data confirming the existence of Cr(VI) under the Colorado River.

N

0 500 1,000 Feet

FIGURE 4C
CR(VI) SAMPLING RESULTS
LOWER DEPTH INTERVAL OF AQUIFER
1ST QUARTER 2007 MONITORING EVENT

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

CH2MHILL

PARK MOABI

Colorado River

MW-35-060
456.60*

OW-03S
457.17

MW-17
457.11

OW-05S
457.05

OW-02S
456.95

OW-01S
456.84

MW-18
457.11

MW-14
456.79

MW-41S
456.69

MW-13
456.53

MW-19
456.16

BAT CAVE WASH

TW-2D
TW-3D

MW-31-060
455.90*

PE-01

MW-25
456.04

MW-20-070
455.01*

BN & SF RAILROAD

INTERSTATE 40

MW-26
455.77*

MW-07
NA

MW-04
NA

NEW EVAPORATION PONDS

MW-08
456.96

MW-06
456.85

MW-05
456.92

MW-16
457.01

MW-01
NA

MW-03
456.87

MW-15
(457.05)

MW-11
456.46

MW-24A
456.37

MW-22
NA

MW-38S
(455.83)

MW-21
455.78

MW-10
456.47*

MW-12
455.87

MW-09
456.63

TOPOCK COMPRESSOR STATION

FORMER EVAPORATION POND SITE

DEBRIS RAVINE

457.0

456.5

456.0

N

0 700 1,400 Feet

1 inch equals 700 feet

LEGEND

- Extraction well
- Groundwater monitoring / observation well
- MW-20-100 454.75 — Well name with water level elevation (ft MSL)
- MW-20-100 (454.75) — Well name with water level elevation (ft MSL) not used in contouring
- MW-20-100* 454.75 — Groundwater Elevation from Transducer
- Groundwater Elevation Contour 0.5 ft
- Approximate Bedrock Contact at 455 ft AMSL
- NA — Data not available

Notes:

1. Waterlevels were measured on May 7, 2007 from 7:51 AM through 10:30 AM.
2. Water level contours for the floodplain area are presented in IM Performance Monitoring Reports.
3. Extraction wells TW-3D and PE-1 are pumping from lower portion of the aquifer during water level measurements.
4. Groundwater elevations for selected wells obtained from pressure transducers at the time of manual measurements (approximately 10:00 AM).
5. Gradients shown on this figure show transient conditions in the aquifer at the time of measurement and may not reflect the expected average groundwater flow directions.

FIGURE 5
GROUNDWATER ELEVATION MAP FOR UPPER INTERVAL (WATER TABLE) MAY 7, 2007 WATER LEVEL SURVEY

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

CH2MHILL

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