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July 14, 2008

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Colorado River Basin Region
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Subject: Board Order R7-2006-0060, WDID No. 7B 36 2033 001 - Interim Measures
Compliance Monitoring Program Groundwater Monitoring Report, First Half
2008, PG&E Topock Compressor Station, Needles, California

Dear Mr. Yue and Mr. Perdue:

Enclosed is the *Semiannual Groundwater Monitoring Report, First Half 2008* for the Interim Measure Compliance Monitoring Program (CMP) at the PG&E Topock Compressor Station. This monitoring report presents the results of the first and second quarter 2008 CMP groundwater monitoring event, and has been prepared in conformance with California Regional Water Quality Board (Water Board) Order No. R7-2006-0060, as well as with the Department of Toxic Substances Control (DTSC)'s July 15, 2005 letter approving the Compliance Monitoring Plan and June 9, 2006 letter modifying the reporting requirements.

On August 8, 2006, PG&E submitted a revised contingency plan flowchart for groundwater quality changes associated with the injection system. The contingency plan specifies the concentrations and values for hexavalent chromium (Cr[VI]), total chromium (Cr[T]), total dissolved solids (TDS), and pH to be used to determine if contingency plan actions were necessary based on sample results. The concentrations used to trigger the contingency plan are as follows: Cr(VI) greater than 32.6 micrograms per liter ($\mu\text{g}/\text{L}$), Cr(T) greater than 28.0 $\mu\text{g}/\text{L}$, TDS greater than 10,800 milligrams per liter, and pH outside of the range of 7.6 to 8.89. Data collected during first quarter 2008 and associated contingency plan actions were discussed in the *Compliance Monitoring Program Groundwater Monitoring Report, First Quarter 2008*, submitted April 15, 2008. The following paragraph discusses second quarter 2008 data and associated contingency plan actions.

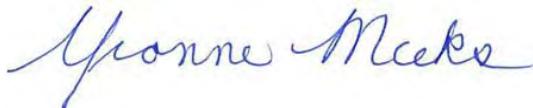
During the second quarter 2008 monitoring event, samples from the well OW-2S (30.8 and 31.1 µg/L) exceeded the Cr(T) action level. A review of the water quality parameters indicative of treated groundwater injection (Cr(VI), TDS, sulfate, nitrate/nitrite and fluoride) confirm that injected water has not yet reached OW-2S and that the concentration of Cr(T) is not related to injected water (which has significantly lower chromium concentrations), but instead is related to the natural variability within the shallower portions of the aquifer.

In a letter dated January 5, 2007, DTSC stated that it was not necessary to follow contingency plan requirements for Cr(VI) and Cr(T) with respect to OW-2S and OW-5S. The Colorado River Basin Water Board concurred with this decision in a letter dated March 2, 2007. As such, the contingency plan was not triggered due to the Cr(T) concentration detected in OW-2S during the second quarter 2008.

No other samples exceeded the action levels for Cr(VI), Cr(T), pH, or TDS during second quarter 2008 sampling. The next CMP sampling event is scheduled to occur in August 2008.

Please contact me at (805) 546-5243 if you have any questions on the CMP.

Sincerely,



Yvonne Meeks
Topock Remediation Project Manager

Cc: Cliff Raley, Water Board
Abdi Haile, Water Board
Christopher Guerre, DTSC

Enclosure

Final Report

Compliance Monitoring Program Semianual Groundwater Monitoring Report, First Half 2008

**Interim Measure No. 3
PG&E Topock Compressor Station
Needles, California
Board Order R7-2006-0060
WDID No. 7B 36 2033 001**

Prepared for
**California Department of Toxic Substances Control
and the California Regional Water Quality Control
Board, Colorado River Basin Region**

On behalf of
Pacific Gas and Electric Company

July 14, 2008

CH2MHILL

155 Grand Avenue, Suite 1000
Oakland, CA 94612

**Compliance Monitoring Program
Semiannual Groundwater Monitoring Report
First Half 2008**

**PG&E Topock Compressor Station
Needles, California
Board Order R7-2006-0060, WDID No. 7B 36 2033 001**

Prepared for

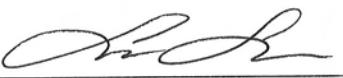
**California Department of Toxic Substance Control and the California Regional
Water Quality Control Board Colorado River Basin Region**

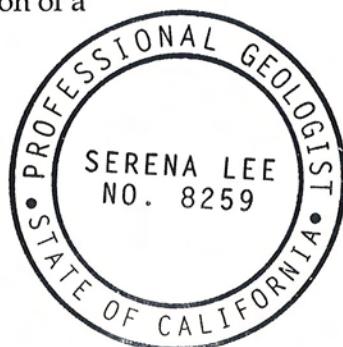
on Behalf of

Pacific Gas and Electric Company

July 14, 2008

This report was prepared under the supervision of a
California Professional Geologist


Serena Lee, P.G. No. 8259
Associate Hydrogeologist



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Acronyms and Abbreviations

µg/L	micrograms per liter
CMP	Compliance Monitoring Program
Cr(T)	total dissolved chromium
Cr(VI)	hexavalent chromium
CW	Compliance well
DTSC	California Department of Toxic Substances Control
IM	Interim Measure
IM No. 3	Interim Measure No. 3
IW	injection well
mg/L	milligrams per liter
MRP	Monitoring and Reporting Program
PG&E	Pacific Gas and Electric Company
OW	observation well
QAPP	Quality Assurance Project Plan
TDS	total dissolved solids
Water Board	California Regional Water Quality Control Board, Colorado River Basin Region
WDR	Waste Discharge Requirements
WQO	water quality objective

1.0 Introduction

Pacific Gas and Electric Company (PG&E) is implementing an Interim Measure (IM) to address chromium concentrations in groundwater at the Topock Compressor Station near Needles, California. The IM consists of groundwater extraction in the Colorado River floodplain and management of extracted groundwater. The groundwater extraction, treatment, and injection systems are collectively referred to as Interim Measure No. 3 (IM No. 3). Currently, the IM No. 3 facilities include a groundwater extraction system, conveyance piping, a groundwater treatment plant, and an injection well field for the discharge of the treated groundwater. Figure 1 shows the location of the IM No. 3 extraction, conveyance, treatment, and injection facilities. (All figures are provided at the end of this report.)

On October 13, 2004, the California Regional Water Quality Control Board, Colorado River Basin Region (Water Board) adopted Waste Discharge Requirements (WDR) Order No. R7-2004-0103. This WDR authorized PG&E to inject treated groundwater into wells located in the East Mesa area of the Topock site. This WDR was superseded on September 20, 2006 by WDR No. R7-2006-0060. Work described in this report was performed in accordance with the WDR No. R7-2006-0060.

The WDR specifies effluent limitations, prohibitions, specifications, and provisions for subsurface injection. Monitoring and Reporting Program (MRP) No. R7-2004-0103 specified the requirements for the Compliance Monitoring Program (CMP) to monitor the aquifer in the injection well area to ensure that the injection of treated groundwater is not causing an adverse effect on the aquifer water quality. As with the WDR, MRP No. R7-2004-0103 was superseded on September 20, 2006 by MRP No. R7-2006-0060. This report adheres to requirements established in MRP No. R7-2006-0060. The *Groundwater Compliance Monitoring Plan for Interim Measures No. 3 Injection Area* (CH2M HILL, 2005a) was submitted to the Water Board and the California Department of Toxic Substances Control (DTSC) on June 17, 2005 (herein referred to as the Compliance Monitoring Plan). The Compliance Monitoring Plan and its addendum provide the objectives, proposed monitoring program, data evaluation methods, and reporting requirements for the CMP. In a letter dated June 9, 2006, DTSC modified the reporting requirements of the Compliance Monitoring Plan (DTSC, 2006). This report incorporates the additional requirements.

The injection system consists of two injection wells (IWs): IW-2 and IW-3. Operation of the treatment system was conditionally approved on July 15, 2005 (DTSC, 2005), and injection into IW-2 began on July 31, 2005. Table 1 summarizes the history of injection for IM No. 3. (All tables are provided at the end of this report.)

Figure 2 shows the locations of the injection wells and the groundwater monitoring wells (observation wells and compliance wells) in the CMP. Table 2 summarizes information on well construction and sampling methods for all wells in the CMP.

On January 22, 2007 (DTSC, 2007), DTSC approved a reduction of constituents analyzed during quarterly sampling of the CMP observation wells (details are provided in

CH2M HILL, 2006). The Water Board concurred in a letter dated January 23, 2007 (Water Board, 2007a). Observation wells (OWs) are sampled for a limited suite of constituents during quarterly monitoring events. Semiannual CMP events still retain the original constituent suite for the OWs and compliance wells (CWS).

Under the CMP, as of January 2008, samples are collected from OWs and CWS (Figure 2) according to the following schedule:

- Nine observation wells located near the IM No. 3 injection well field are sampled quarterly for a limited suite of constituents.
- Eight compliance monitoring wells and nine observation wells located around the IM No. 3 injection well field are sampled semiannually for a full suite of constituents.

On October 16, 2007, the Water Board approved collecting pH measurements in the field rather than through laboratory analysis due to the new 15-minute holding time for laboratory measurements with United States Environmental Protection Agency Method 150.1 (Water Board, 2007b). DTSC provided concurrence for the field pH change in an email dated January 22, 2008 (DTSC, 2008). This change became effective with the first quarter 2008 sampling event.

On November 13, 2007, the Water Board approved the modification to hexavalent chromium (Cr[VI]) analytical methods, which extended the holding time from 24 hours to 28 days (Water Board, 2007c). DTSC provided concurrence for the 28-day holding time for Cr(VI) analyses in an e-mail dated January 22, 2008 (DTSC, 2008). The first quarter 2008 sampling event was the first event to adhere to the new 28-day holding time for analyzing Cr(VI).

For both quarterly and semiannual sampling events, laboratory analyses include dissolved total chromium (Cr[T]), Cr(VI), metals, specific conductance, total dissolved solids (TDS), turbidity, and major inorganic cations and anions. For quarterly events, the metals, cations, and anions list is reduced. Groundwater elevation data and field water quality data—including specific conductance, temperature, pH, oxidation-reduction potential, dissolved oxygen, turbidity and salinity—are also measured during each monitoring event (CH2M HILL, 2005a).

This report presents the results of the first half 2008 (first and second quarter) CMP groundwater monitoring events.

2.0 First Half 2008 Activities

This section provides a summary of the monitoring and sampling activities completed during the first half 2008. The first quarter 2008 monitoring event was conducted from January 21 through 23, 2008 and consisted of:

- Nine observation monitoring wells were sampled for water quality analyses.
- Groundwater elevations and field water quality data were collected prior to sampling.
- One duplicate sample was collected at well OW-1S to assess field sampling and analytical quality control.

The second quarter 2008 event was conducted from April 8 to April 10, 2008 and consisted of:

- Nine observation monitoring wells were sampled for water quality analyses.
- Eight compliance monitoring wells were sampled for water quality analyses.
- Groundwater elevations and field water quality data were collected prior to sampling.
- Two duplicate samples were collected at wells CW-2M and OW-2S to assess field sampling and analytical quality control.

Continuous groundwater elevation data were collected using pressure transducers/data loggers at each of the 17 CMP wells and were downloaded monthly during the reporting period.

The results of the first quarter 2008 monitoring activities have been presented previously in the document *Compliance Monitoring Program Groundwater Monitoring Report, First Quarter 2008* (CH2M HILL, 2008a). These results are also presented in this semiannual report.

The sampling methods, procedures, field documentation of the CMP sampling, water level measurements, and field water quality monitoring were performed in accordance with the *Sampling, Analysis, and Field Procedures Manual* (CH2M HILL, 2005b).

CMP groundwater samples were analyzed by Truesdail Laboratories, Inc. in Tustin, California and EMAX Laboratories, Inc. in Torrance, California, both California-certified analytical laboratories. Analytical methods, sample volumes and containers, sample preservation, and quality control sample requirements were in accordance with the *Sampling, Analysis, and Field Procedures Manual* (CH2M HILL, 2005b). Data validation and management were conducted in accordance with the *Quality Assurance Project Plan* (QAPP) provided as Appendix D of the *Sampling, Analysis, and Field Procedures Manual*.

3.0 First Half 2008 Results

This section summarizes the results of the CMP groundwater sampling conducted during the first half of 2008. Figure 2 presents the locations of the CMP groundwater wells.

The data presented include results for Cr(VI), Cr(T), specific conductance, metals, TDS, turbidity, and major inorganic cations and anions. Laboratory data quality review, water level measurements, and water quality field parameter data are also presented in this section. The laboratory reports for the second quarter 2008 monitoring are presented in Appendix A. Laboratory reports for the first quarter 2008 were previously reported in the prior monitoring report (CH2M HILL, 2008a).

3.1 Analytical Results

Nine observation wells were sampled during the first quarter 2008 sampling event and seventeen compliance and observation wells were sampled during the second quarter 2008 sampling event. Analytical results for Cr(VI) and Cr(T), other metals, and general chemistry are presented in Tables 3, 4, and 5 and are discussed below. Interim action levels/water quality objectives (WQOs) were updated in the *Addendum to the Compliance Monitoring Plan*, which was submitted to DTSC and the Water Board on December 13, 2005 (CH2M HILL, 2005c). On August 8, 2006, PG&E submitted a revised contingency plan flowchart for groundwater quality changes associated with the injection system. The contingency plan specifies the concentrations and values for Cr(VI), Cr(T), TDS, and pH to be used to determine if contingency plan actions were necessary based on sample results.

3.1.1 Hexavalent and Total Chromium

Table 3 presents the Cr(VI) and Cr(T) results for groundwater in the shallow, middle, and deep wells for the first half 2008 CMP sampling events. For shallow wells, the maximum detected Cr(VI) concentration was 31.8 micrograms per liter ($\mu\text{g}/\text{L}$) in a field duplicate sample at well OW-2S on April 10, 2008. For the middle wells, the maximum detected Cr(VI) concentration was 20.9 $\mu\text{g}/\text{L}$ in well CW-4M on April 9, 2008. For the deep wells, the maximum detected Cr(VI) concentration was 2.53 $\mu\text{g}/\text{L}$ in well CW-4D on April 9, 2008.

During the first half 2008, none of the samples collected from shallow, middle, and deep wells exceeded the WQO of 32.6 $\mu\text{g}/\text{L}$ for Cr(VI).

For shallow wells, the maximum detected Cr(T) concentration was 36.2 $\mu\text{g}/\text{L}$ in well OW-2S on January 22, 2008. For the middle wells, the maximum detected Cr(T) concentration was 20.4 $\mu\text{g}/\text{L}$ in well CW-4M on April 9, 2008. For the deep wells, the maximum detected Cr(T) concentration was 2.95 $\mu\text{g}/\text{L}$ in well CW-4D on April 9, 2008.

During the first half 2008, samples from one well exceeded the WQO of 28 $\mu\text{g}/\text{L}$ for Cr(T). The January 22, 2008 and April 10, 2008 samples from well OW-2S had concentrations of 36.2 $\mu\text{g}/\text{L}$ and 31.1 $\mu\text{g}/\text{L}$. For these exceedances, the results are not considered to be the result of injection of treated groundwater as the average effluent concentration of Cr(T)

from the IM No. 3 treatment plant is normally non-detect with a reporting limit of 0.2 µg/L (CH2M HILL, 2008b). Cr(T) and Cr(VI) concentrations at OW-2S have been consistently above the WQOs since November 2005. These exceedances of Cr(T) are thus considered reflective of the natural variance in background water quality.

3.1.2 Other Metals and General Chemistry

Table 4 presents the other metals and general chemistry results for the CMP groundwater wells sampled during the first half 2008. Since the first quarter 2007, the observation wells have been sampled for a limited suite of constituents during quarterly monitoring events. Metals and ions detected in the first half 2008 sampling included boron, calcium, copper, total iron, dissolved iron, magnesium, molybdenum, potassium, silver, sodium, and vanadium. There were anomalous detections of copper and silver in CW-1D during the April 9, 2008 event that will be re-examined during the next semiannual event. In general, concentrations of metals and ions detected during the first half 2008 sampling event are similar to those detected in previous sampling events.

Table 5 presents other inorganic analyte results from the CMP groundwater wells. During the first half 2008, the sampling results from all wells were within the WQOs for TDS (10,800 milligrams per liter [mg/L]) and pH (7.6 to 8.89). Sampling results for TDS varied from 900 mg/L in well OW-5S to 5,750 mg/L in well CW-4D and for pH varied from 7.62 in wells OW-1D and OW-5D to 8.83 in well CW-3D.

3.2 Analytical Data Quality Review

The laboratory analytical data generated from the second quarter 2008 CMP monitoring event were independently reviewed by project chemists to assess data quality and identify deviations from analytical requirements. The quality assurance and quality control requirements are outlined in the QAPP for the PG&E Topock Program, which is Appendix D of the *Sampling, Analysis, and Field Procedures Manual, Revision 1* (CH2M HILL, 2005b). A detailed discussion of data quality for CMP sampling data is presented in the data validation reports, which are kept in the project file and are available upon request.

3.2.1 Matrix Interference

For the first quarter 2008 sampling event, matrix interference was encountered in three groundwater samples that affected the sensitivity for Cr(VI) when using Method E218.6. The Cr(VI) sample results from OW-1D, OW-1M, and OW-5D reflected an adjusted reporting limit of 1 µg/L as a result of the serial dilution that was required to overcome the matrix interference and provide an acceptable matrix spike recovery. All three samples returned results of non-detect at the adjusted reporting limit. No qualifier flags were applied.

For the second quarter 2008, matrix interference was encountered in five groundwater samples that affected the sensitivity for Cr(VI) when using Method E218.6. The Cr(VI) sample results from OW-1D, OW-1M, OW-2M, OW-5D and OW-5M reflected an adjusted reporting limit of 1 µg/L as a result of the serial dilution that was required to overcome the matrix interference and provide an acceptable matrix spike recovery. No qualifier flags were applied.

3.2.2 Matrix Spike Samples

For the first and second quarter 2008 sampling events, all matrix spike acceptance criteria were met.

3.2.3 Quantitation and Sensitivity

For the first and second quarter 2008 sampling events, with the exception of the matrix interference issues discussed in Section 3.2.1, all method and analyte combinations met the project reporting limit objectives.

3.2.4 Holding Time Data Qualification

For the first and second quarter 2008 sampling events, all method holding time requirements were met.

3.2.5 Field Duplicates

For the first and second quarter 2008 sampling events, all field duplicate acceptance criteria were met.

3.2.6 Method Blanks

For the first and second quarter 2008 sampling events, method blank acceptance criteria were met.

3.2.7 Equipment Blanks

For the first and second quarter 2008 sampling events, equipment blank acceptance criteria were met.

3.2.8 Laboratory Duplicates

For the first and second quarter 2008 sampling events, laboratory duplicate acceptance criteria for the methods were met.

3.2.9 Calibration

For the first and second quarter 2008 sampling events, initial and continuing calibrations were performed as required by the methods. All calibration criteria were met.

3.2.10 Conclusion

For the first and second quarter 2008 sampling events, the completeness objectives were met for all method and analyte combinations. The analyses and data quality met the QAPP and laboratory method quality control criteria except as noted above. Overall, the analytical data are considered acceptable for the purpose of the CMP.

3.3 Influence of Treated Water

3.3.1 Post-injection Versus Pre-injection

Injection of treated water began on July 31, 2005. Under WDR No. R7-2006-0060 for the IM No. 3 groundwater treatment system, PG&E is required to submit WDR monitoring reports on the operation of the system. These reports contain the analytical results of treated water effluent sampling and, as such, the reports are useful in determining the baseline water quality of the treated water being injected into the IM No. 3 injection well field.

Table 6 provides selected analytical results from three of the monthly reports: August 29, 2005, March 18, 2006, and April 2, 2008. While there are differences among some parameters in these samples, a number of parameters show relatively consistent concentrations in the effluent over time. Analytes that are relatively consistent over the injection time period include Cr(VI), Cr(T), fluoride, molybdenum, nitrate as nitrogen, sulfate, and TDS. These seven constituents provide a characterization of the effluent that does not appear to vary greatly over time and can serve as a basis for determining if a groundwater monitoring well is being affected by injection. In general terms, treated water has the following characteristics (based on review of August 2005 through April 2008 effluent characteristics):

- Cr(VI): typically non-detect (1.0) µg/L
- Cr(T): typically non-detect (1.0) µg/L
- Fluoride: approximately 2 mg/L
- Molybdenum: approximately 8 to 14 µg/L
- Nitrate/nitrite as nitrogen: approximately 2.7 mg/L
- Sulfate: approximately 480 mg/L
- TDS: approximately 4,500 mg/L

These treated water quality characteristics are meant to serve as a general guideline and not as a statistically representative sampling of the treated water quality over time.

Table 6 also lists the results of baseline sampling for the observation wells and compliance wells. A full set of nine OW groundwater samples were collected on July 27 and 28, 2005, and a full set of eight CW groundwater samples were collected on September 15, 2005.

These samples are considered representative of conditions unaffected by injection and serve to characterize the pre-injection water quality. In comparing these sampling results to the treated injection water sampling results, there are some similarities in the constituent concentrations. For example, most of the pre-injection OW or CW deep well samples (OW-1D, OW-2D, OW-5D, CW-3D, and CW-4D) contain no detectable Cr(VI) or Cr(T), which is similar to the treated injection water. Most of the well samples show concentrations similar to the treated water for two or three constituents but observable differences in concentration from the treated water for the remaining four or five. By considering the entire suite of seven analytes and focusing on those parameters that show differences, it is relatively easy to distinguish between the pre-injection water quality at the monitoring wells and the treated water effluent quality.

Table 7 presents a comparison between the treated water quality and the results from the most recent sampling events, the first and second quarter 2008 sampling events. These samples were collected after approximately 33 months of injection. While the pre-injection

OW and CW sample results were significantly different from the treated water quality, a number of the first and second quarter 2008 sample results have changed in that these results show a marked similarity to the treated water results. The following wells display the general characteristics of treated water: OW-1M, OW-1D, OW-2M, OW-2D, OW-5M, OW-5D, CW-1M, CW-1D, CW-2D, and CW-3D.

Wells OW-1M, OW-1D, OW-2M, OW-2D, OW-5M, OW-5D, CW-1M, CW-1D, CW-2D, and CW-3D are locations and depths where the treated water injection front has largely replaced the local pre-injection groundwater. To date, all shallow observations wells (wells OW-1S, OW-2S, and OW-5S) and the remaining compliance wells (CW-2M, CW-3M, CW-4M, and CW-4D) show no water quality effects due to injection of treated water, indicating that injected water has not yet reached these depths and locations.

3.3.2 Water Quality Hydrographs

Trend data can be used to determine when a rapid change has occurred between sampling events, such as the arrival of the injection front. It can also be used to look at more gradual changes that occur over several sampling events, such as seasonal effects or the interaction of treated water with local groundwater and host aquifer material. Eleven analytes were selected for time-series analysis; these analytes are considered to be most representative of the IM No. 3 injection well field area and have sufficient detections to make time series analysis useful. The analytes include chloride, Cr(T), fluoride, Cr(VI), molybdenum, nitrate/nitrite as nitrogen, pH, sodium, sulfate, TDS, and vanadium. Water quality hydrographs (time-series plots) of these 11 analytes in each observation and compliance well within the IM No. 3 injection well field are presented in Figures 3A through 3E.

Observation well water quality hydrographs are presented in Figures 3A through 3C. These hydrographs show the same overall patterns: wells that are identified as affected by treated water injection show a shift in water quality for characteristic parameters, while those identified as being unaffected by injection show no net trends. The water quality change brought on by the arrival of the treated water injection front can be either gradual (OW-5M) or step-wise (OW-2M), with most affected wells showing a pattern of change somewhere between the two. Based on the variability in response, it is inferred that the movement of treated water is non-uniform laterally between wells. This variability in lateral movement can be inferred from differences in the water quality hydrographs in both the mid-depth and deep wells. The OW shallow-depth wells (OW-1S, OW-2S, and OW-5S) show little water quality variation over time and generally have no net trends over time. TDS, sodium, chloride, vanadium and molybdenum are particularly consistent with baseline pre-injection concentrations and show that the local groundwater quality at shallow depths is not being affected by injection of treated water or outside water sources.

Compliance well water quality hydrographs are presented in Figures 3D and 3E. Wells CW-1D, CW-2D, and CW-3D show a decreasing trend in TDS and chloride. Similarly, well CW-1M shows decreasing trends in Cr(VI) and Cr(T). These changes are attributed to the arrival of treated injection water.

3.4 Water Level Measurements

Table 8 presents the manual water level measurements and groundwater elevations for the first half 2008 monitoring events.

As a requirement of the conditional approval by DTSC (DTSC, 2005), water level measurements were used to produce hydrographs for each well cluster. Figures 4A through 4G present hydrographs that illustrate groundwater elevation trends and vertical hydraulic gradients observed over the first half 2008 reporting period at the observation and compliance monitoring wells.

Average groundwater elevation maps for shallow, middle, and deep wells are also provided as Figures 5A through 5C. Water levels used to produce the monthly average groundwater elevation contour plots were taken from a select number of days in which the levels remained reasonably constant. These dates are noted on each figure.

3.4.1 Groundwater Flow Characteristics

The injection well field is located in the East Mesa area of the Topock site (Figure 2). Overall sitewide water level contour maps for shallow wells are prepared annually, with flow consistently being shown to move to the east across the uplands portions of the site (CH2M HILL, 2008c).

The effects of injection in the IM No. 3 injection well field are superimposed on the more regional Topock site flow system and, as expected, a groundwater mound can be seen around the injection wells. This mound is centered around the active injection well IW-3. The potentiometric surfaces in prior CMP reports mapped the growth of the groundwater mound over time and show that, after 33 months of injection, the mound has increased and then stabilized in height by several tenths of a foot in elevation above the surrounding water level elevations. Figures 5B and 5C present groundwater elevation contours for the average groundwater elevation of the mound within the middle and deep wells using March 15 through April 15, 2008 averages. As expected with a mound, the potentiometric surface of the deep wells is broader, while the potentiometric surface of the middle wells is more localized to the vicinity of the injection wells. The mound is elliptical in shape, with the major axis running in a southwest to northeast direction. The lower gradients (broader contours) in the direction of the major axis are an indication that the aquifer permeabilities are greater in this direction, indicating that there may be a preferred direction to flow in this area.

The vertical gradient in the IM No. 3 injection well field area is directed upward at all of the CW and OW well clusters and also upward between each of the depth intervals in those same well clusters. Table 9 presents the vertical gradient data calculated using the March 15 through April 15, 2008 average groundwater levels. The magnitude of the vertical gradients is similar between clusters and between the depth intervals, indicating that the vertical gradient is of the same order of magnitude throughout the injection area. A component of the vertical gradients calculated in the vicinity of the IM No. 3 injection well field is undoubtedly related to the injection of treated water in the lower portions of the aquifer. The observed groundwater gradients in the IM No. 3 injection well field are consistent with expected regional groundwater flow within the southern Mohave Valley.

3.5 Field Parameter Data

A field water quality instrument and flow-through cell were used to measure water quality parameters during well purging and groundwater sampling. The measured field parameters included specific conductance, temperature, pH, oxidation-reduction potential, dissolved oxygen, turbidity, and salinity. Table 10 summarizes the field water quality data measured during the first and second quarter 2008 monitoring events. Field data sheets for the second quarter 2008 event are presented in Appendix B. Field documentation for the first quarter 2008 event was previously presented in the prior monitoring report (CH2M HILL, 2008a).

3.6 WDR Monitoring Requirements

Table 11 identifies the laboratory that performed each analysis and lists the following information as required by the WDR for the second quarter of 2008 monitoring event:

- Sample location
- Sample identification number
- Sampler name
- Sample date
- Sample time
- Laboratory performing analysis
- Analysis method
- Parameter
- Analysis date
- Laboratory technician
- Result unit
- Sample result
- Reporting limit
- Minimum detection limit

4.0 Status of Monitoring Activities

4.1 Quarterly Monitoring

The next quarterly monitoring event will occur in August during the third quarter of 2008. This event will include the sampling and analysis scope that was presented in the Compliance Monitoring Plan (CH2M HILL, 2005a, c) and subsequent approved scope revisions (DTSC, 2007, 2008; Water Board, 2007a-c). The groundwater monitoring report for this quarterly CMP monitoring event will be submitted by October 15, 2008.

4.2 Semiannual Monitoring

The next semiannual monitoring event will occur in October during the fourth quarter of 2008. This CMP monitoring event, which encompasses both the OW and CW wells, will include the sampling and analysis scope presented in the Compliance Monitoring Plan (CH2M HILL, 2005a, 2005c) and subsequent approved scope revisions (DTSC, 2007, 2008; Water Board, 2007a-b). The groundwater monitoring report for this semiannual CMP monitoring event will be submitted by January 15, 2009.

5.0 References

- California Department of Toxic Substances Control (DTSC). 2005. Letter to PG&E. “Conditional Approval for the Start Up and Operation of the Interim Measures No. 3 Treatment System and Injection Wells, Pacific Gas & Electric Company, Topock Compressor Station.” July 15.
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- _____. 2007. Letter to PG&E. “Conditional Approval of Request for Reduced Groundwater Sampling Frequency for Select Constituents at Pacific Gas & Electric Company, Topock Compressor Station, Needles, California.” January 22.
- _____. 2008. Letter to PG&E. “Re: Analytical Methods for WDR Monitoring Programs.” January 22.
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- _____. 2007c. Letter to PG&E. “Clarification of Monitoring and Reporting Program (MRP) Requirements, Board Orders Nos. R7-2006-0060, R7-2006-0008, R7-2004-0080, and R7-2007-0015, Topock Compressor Station, San Bernardino County.” November 13.
- CH2M HILL. 2005a. *Groundwater Compliance Monitoring Plan for Interim Measure No. 3 Injection Area, Topock Compressor Station, Needles, California*. June 17.
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- _____. 2005c. *Addendum to the Compliance Monitoring Plan for the IM No. 3 Injection Area, Topock Compressor Station*. December 13.
- _____. 2006. *Request for Approval to Implement Limited Sampling Frequency for Selected Metals/General Minerals for PG&E Topock Compressor Station*. December 1.
- _____. 2008a. *Compliance Monitoring Program Groundwater Monitoring Report, First Quarter 2008, Interim Measure No. 3, PG&E Topock Compressor Station, Needles, California*. April 15.

- _____. 2008b. *April 2008 Monitoring Report for Interim Measure No. 3 Groundwater Treatment System, PG&E Topock Compressor Station, Needles, California*. May 15.
- _____. 2008c. *Groundwater and Surface Water Monitoring Report, Fourth Quarter 2007 and Annual Summary, PG&E Topock Compressor Station, Needles, California*. March 28.

6.0 Certification

PG&E submitted a signature delegation letter to the Water Board on September 20, 2006. The letter delegated PG&E signature authority to Mr. Curt Russell and Ms. Yvonne Meeks for correspondence regarding Board Order R7-2006-0060.

Certification Statement:

I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Signature: Yvonne Meeks
Name: Yvonne J. Meeks
Company: Pacific Gas and Electric Company
Title: Topock Project Manager
Date: July 14, 2008

Tables

TABLE 1
 Operational Status of Interim Measures No. 3 Injection Wells Through Second Quarter 2008
PG&E Topock Compliance Monitoring Program

Time Period	Injection Status
July 31, 2005 to Fourth Quarter 2005	Injection occurred at IW-2.
First Quarter 2006	Injection occurred primarily at IW-2 except during periods of operational testing, when injection was divided equally between IW-2 and IW-3.
Second Quarter 2006	Injection occurred at IW-2.
Third Quarter 2006	In August 2006, IW-2 went offline for routine maintenance, and injection commenced at IW-3.
Fourth Quarter 2006	Injection occurred at IW-3, except during routine maintenance.
First Quarter 2007	Injection occurred at IW-3 and transitioned over to IW-2 on March 8.
Second Quarter 2007	Injection occurred at IW-3 from April 3 through June 20. Injection switched to IW-2 on June 20 and continued through July 20, 2007.
Third Quarter 2007	Injection occurred at IW-3 after July 20. Injection occurred at IW-2 on August 30 for an injection test and then returned to IW-3 after August 31.
Fourth Quarter 2007	Injection occurred at IW-3 and then switched to IW-2 on September 25 for routine maintenance. Injection returned to IW-3 after October 9.
First Quarter 2008	Injection occurred at IW-3 only. From February 5 through February 13, well maintenance activities were conducted at IW-2.
Second Quarter 2008	Injection occurred at IW-3 only. IM-3 system offline from April 21 through April 28 due to routine maintenance. Backwashing occurred at IW-3 on April 9, May 7, May 15, May 22, June 3, and June 4, 2008.

TABLE 2

Well Construction and Sampling Summary for Groundwater Samples, Second Quarter 2008

PG&E Topock Compliance Monitoring Program

Well ID	Site Area	Measuring Point Elevation (ft AMSL)	Screen Interval (ft bgs)	Well Casing (inches)	Well Depth (ft btoc)	Depth to Water (ft btoc)	Sampling System	Typical Purge Rate (gpm)	Typical Purge Volume (gallons)	Pump Depth (ft bgs)	Transducer Status	Remarks
IM Compliance Wells												
CW-01M	East Mesa	566.16	140 - 190	2 (PVC)	190.0	109.0	Temp Redi-Flo AR	3	42	124	Active	
CW-01D	East Mesa	566.57	250 - 300	2 (PVC)	300.2	109.7	Temp Redi-Flo AR	3	100	125	Active	
CW-02M	East Mesa	549.37	152 - 202	2 (PVC)	202.0	92.4	Temp Redi-Flo AR	2	56	108	Active	
CW-02D	East Mesa	549.64	285 - 335	2 (PVC)	355.0	92.4	Temp Redi-Flo AR	3	135	108	Active	
CW-03M	East Mesa	534.21	172 - 222	2 (PVC)	222.0	77.3	Temp Redi-Flo AR	2	75	93	Active	
CW-03D	East Mesa	534.27	270 - 320	2 (PVC)	340.0	76.7	Temp Redi-Flo AR	3	135	93	Active	
CW-04M	East Mesa	518.66	119.5 - 169.8	2 (PVC)	169.8	61.4	Temp Redi-Flo AR	2	56	77	Active	
CW-04D	East Mesa	518.68	233 - 283	2 (PVC)	303.0	61.5	Temp Redi-Flo AR	3	126	77	Active	
IM Observation Wells												
OW-01S	East Mesa	550.21	83.5 - 113.5	2 (PVC)	113.5	93.2	Temp Redi-Flo AR	0.5	12	109	Active	
OW-01M	East Mesa	550.45	165 - 185	2 (PVC)	185.8	93.2	Temp Redi-Flo AR	2	48	109	Active	
OW-01D	East Mesa	550.48	257 - 277	2 (PVC)	277.0	93.0	Temp Redi-Flo AR	3	105	108	Active	
OW-02S	East Mesa	548.88	71 - 101	2 (PVC)	121.0	91.9	Temp Redi-Flo AR	2	16	108	Active	
OW-02M	East Mesa	548.59	190 - 210	2 (PVC)	210.3	91.3	Temp Redi-Flo AR	3	61	107	Active	
OW-02D	East Mesa	549.15	310 - 330	2 (PVC)	340.0	91.5	Temp Redi-Flo AR	3	127	107	Active	
OW-05S	East Mesa	551.83	70 - 110	2 (PVC)	110.3	94.7	Temp Redi-Flo AR	1	8	110	Active	
OW-05M	East Mesa	551.81	210 - 250	2 (PVC)	250.3	94.0	Temp Redi-Flo AR	3	81	110	Active	
OW-05D	East Mesa	552.33	300 - 320	2 (PVC)	350.0	94.7	Temp Redi-Flo AR	3	132	110	Active	

Notes:

- AMSL above mean sea level
 BGS below ground surface
 BTOPC below top of polyvinyl chloride (PVC) casing
 Redi-Flo AR adjustable-rate electric submersible pump
 Temp temporary
 gpm gallons per minute

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

All wells were purged and sampled using well-volume method.

TABLE 3
 Chromium Results for Groundwater Samples, First and Second Quarter 2008
PG&E Topock Compliance Monitoring Program

Method:		E218.6	E200.8
Location ID	Sample Date	Hexavalent Chromium (µg/L)	Dissolved Chromium (µg/L)
CW-01M	4/9/2008	2.19	2.57
CW-01D	4/9/2008	0.30	1.13
CW-02M	4/8/2008	13.2	13.0
CW-02M	4/8/2008 (FD)	13.2	13.1
CW-02D	4/9/2008	0.31	ND (1.0)
CW-03M	4/8/2008	11.9	12.3
CW-03D	4/8/2008	1.32	1.78
CW-04M	4/9/2008	20.9	20.4
CW-04D	4/9/2008	2.53	2.95
OW-01S	1/22/2008	18.9	20.3
OW-01S	1/22/2008 (FD)	18.8	20.1
OW-01S	4/9/2008	18.6	18.8
OW-01M	1/21/2008	ND (1.0)	1.30
OW-01M	4/9/2008	ND (1.0)	1.10
OW-01D	1/21/2008	ND (1.0)	1.10
OW-01D	4/10/2008	ND (1.0)	ND (1.0)
OW-02S	1/22/2008	31.0	36.2
OW-02S	4/10/2008	31.2	30.8
OW-02S	4/10/2008 (FD)	31.8	31.1
OW-02M	1/22/2008	0.97	1.40
OW-02M	4/10/2008	ND (1.0)	1.00
OW-02D	1/22/2008	0.32	ND (1.0)
OW-02D	4/10/2008	ND (0.2)	ND (1.0)
OW-05S	1/22/2008	22.1	25.0
OW-05S	4/10/2008	23.5	22.8
OW-05M	1/22/2008	0.52	1.20
OW-05M	4/10/2008	ND (1.0)	ND (1.0)
OW-05D	1/23/2008	ND (1.0)	ND (1.0)
OW-05D	4/10/2008	ND (1.0)	ND (1.0)

Notes:

FD field duplicate

ND parameter not detected at the listed reporting limit

µg/L micrograms per liter

Hexavalent Chromium is lab filtered and Dissolved Chromium is field filtered.

TABLE 4

Metal and Cation Results for Groundwater Samples, First and Second Quarter 2008

PG&E Topock Compliance Monitoring Program

Method:		Dissolved E200.7, E200.8 and E245.1 (Mercury)																								
Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Copper	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Boron	Calcium	Iron ¹	Iron ²	Potassium	Magnesium	Sodium
		µg/L																		mg/L						
CW-01M	4/9/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	16.1	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	0.869	90.2	ND (0.02)	0.0234	15.1	9.89	1410
CW-01D	4/9/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	640	ND (2.0)	ND (20)	ND (0.2)	7.44	ND (20)	ND (5.0)	26.0	ND (1.0)	ND (5.0)	ND (20)	1.06	109	ND (0.02)J	0.0522 J	14.6	9.00	1420
CW-02M	4/8/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	23.8	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	1.02	93.8	ND (0.02)	ND (0.02)	14.2	9.91	1340
CW-02M	4/8/2008 FD	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	24.4	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	1.20	110	ND (0.02)J	0.0382 J	14.2	9.54	1450
CW-02D	4/9/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	42.7	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	6.82	ND (20)	1.44	67.1	0.0835	0.0212	16.2	4.76	1650
CW-03M	4/8/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	17.4	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	1.15	277	ND (0.02)J	0.0265 J	19.8	20.7	2130
CW-03D	4/8/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	94.3	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	1.53	72.8	ND (0.02)	0.0221	16.8	7.17	1540
CW-04M	4/9/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	12.0	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	0.595	112	0.0205 J	0.026 J	15.8	8.77	1220
CW-04D	4/9/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	37.9	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	1.05	147	ND (0.02)J	0.0339 J	20.9	11.3	1770
OW-01S	1/22/2008	---	---	---	---	---	---	---	---	---	---	---	7.20	---	---	---	---	---	---	0.274	---	---	---	---	---	---
OW-01S	1/22/2008 FD	---	---	---	---	---	---	---	---	---	---	---	7.50	---	---	---	---	---	---	0.276	---	---	---	---	---	---
OW-01S	4/9/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	7.69	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	0.327	108	ND (0.02)	ND (0.02)	9.21	20.6	385
OW-01M	1/21/2008	---	---	---	---	---	---	---	---	---	---	---	9.60	---	---	---	---	---	---	1.22	---	---	---	---	---	---
OW-01M	4/9/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	11.0	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	1.37	172	ND (0.02)	ND (0.02)	17.2	18.4	1370
OW-01D	1/21/2008	---	---	---	---	---	---	---	---	---	---	---	14.2	---	---	---	---	---	---	1.28	---	---	---	---	---	---
OW-01D	4/10/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	13.2	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	1.28	127	ND (0.02)	ND (0.02)	14.6	12.3	1330
OW-02S	1/22/2008	---	---	---	---	---	---	---	---	---	---	---	36.4	---	---	---	---	---	---	0.699	---	---	---	---	---	---
OW-02S	4/10/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	39.3	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	6.20	ND (20)	0.944	27.5	ND (0.02)	ND (0.02)	7.72	4.48	258
OW-02S	4/10/2008 FD	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	39.9	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	6.27	ND (20)	0.91	30.9	ND (0.02)	ND (0.02)	7.75	4.52	314
OW-02M	1/22/2008	---	---	---	---	---	---	---	---	---	---	---	9.70	---	---	---	---	---	---	1.18	---	---	---	---	---	---
OW-02M	4/10/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	10.8	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	1.29	165	ND (0.02)	ND (0.02)	18.6	22.0	1220
OW-02D	1/22/2008	---	---	---	---	---	---	---	---	---	---	---	11.7	---	---	---	---	---	---	1.10	---	---	---	---	---	---
OW-02D	4/10/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	13.3	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	1.23	160	ND (0.02)	ND (0.02)	15.0	21.8	1300
OW-05S	1/22/2008	---	---	---	---	---	---	---	---	---	---	---	21.1	---	---	---	---	---	---	0.379	---	---	---	---	---	---
OW-05S	4/10/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	24.7	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	0.496	64.3	ND (0.02)	ND (0.02)	8.03	10.9	312
OW-05M	1/22/2008	---	---	---	---	---	---	---	---	---	---	---	11.2	---	---	---	---	---	---	1.18	---	---	---	---	---	---
OW-05M	4/10/2008	ND (50)	ND (3.0)	ND (5.0)	ND (300)	ND (1.0)	ND (2.0)	ND (5.0)	ND (10)	ND (2.0)	ND (20)	ND (0.2)	12.2	ND (20)	ND (5.0)	ND (5.0)	ND (1.0)	ND (5.0)	ND (20)	1.02	176	ND (0.02)	ND (0.02)	16.1	13.1	1390
OW-05D	1/23/2008	---	---	---	---	---	---	---	---	---	---	---	11.9	---	---	---	---	---	---	1.14	---	---	---	---		

TABLE 5

Other Inorganic Results for Groundwater Samples, First and Second Quarter 2008

PG&E Topock Compliance Monitoring Program

Method:		E120.1	SM2540C	E180.1/SM2130B	E300.0	E300.0	E300.0	SM4500NO3-E	SM2320B	SM4500NH3F	
Location ID	Sample Date	Specific Conductance ($\mu\text{mhos}/\text{cm}$)	Field pH (pH units)	Total Dissolved Solids (mg/L)	Turbidity (NTU)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)	Nitrate/Nitrite as Nitrogen (mg/L)	Alkalinity, total as CaCO ₃ (mg/L)	Ammonia as Nitrogen (mg/L)
CW-01M	4/9/2008	6870	8.15	3790	0.128	2070	2.69	474	2.28	56.0	ND (0.5)
CW-01D	4/9/2008	6920	8.13	3870	0.15	2060	2.59	487	2.67	77.0	ND (0.5)
CW-02M	4/8/2008	6750	8.31	4030	0.149	2460	3.05	375	1.15	49.0	ND (0.5)
CW-02M	4/8/2008 (FD)	6690	FD	3910	0.119	2090	3.16	374	1.23	49.0	ND (0.5)
CW-02D	4/9/2008	6740	8.56	3930	0.392	2270	7.22	479	1.97	53.0	ND (0.5)
CW-03M	4/8/2008	8670	8.37	5220	0.213	2800	2.92	408	0.684	45.0	ND (0.5)
CW-03D	4/8/2008	7390	8.83	4490	0.16	2250	6.16	513	2.46	50.0	ND (0.5)
CW-04M	4/9/2008	5810	7.96	3850	0.174	1800	2.14	291	1.36	53.0	ND (0.5)
CW-04D	4/9/2008	9520	8.12	5750	0.181	3120	4.59	542	1.52	46.0	ND (0.5)
OW-01S	1/22/2008	2360	7.73	1440	1.65	675	2.37	137	2.92	---	---
OW-01S	1/22/2008 (FD)	2310	FD	1420	1.56	679	2.33	137	2.94	---	---
OW-01S	4/9/2008	2570	7.93	1560	0.907	718	2.33	297	2.65	65.0	ND (0.5)
OW-01M	1/21/2008	6520	7.76	4400	ND (0.1)	1990	1.87	474	2.69	---	---
OW-01M	4/9/2008	6910	7.80	4490	0.103	2080	1.83	480	2.40	72.0	ND (0.5)
OW-01D	1/21/2008	6410	7.62	4280	0.277	1960	2.30	471	2.48	---	---
OW-01D	4/10/2008	6840	8.46	4190	1.02	2010	2.27	482	2.28	69.0	ND (0.5)
OW-02S	1/22/2008	1670	7.90	1000	2.63	410	4.81	121	3.71	---	---
OW-02S	4/10/2008	1770	8.20	1010	0.481	417	4.86	120	4.04	100	ND (0.5)
OW-02S	4/10/2008 (FD)	1740	FD	1010	0.473	418	5.04	123	3.53	98.0	ND (0.5)
OW-02M	1/22/2008	6670	7.91	4220	0.221	2070	1.79	481	2.71	---	---
OW-02M	4/10/2008	6990	8.26	4190	ND (0.1)	2060	1.85	490	2.40	74.0	ND (0.5)
OW-02D	1/22/2008	6710	7.63	4380	ND (0.1)	2080	1.87	471	2.91	---	---
OW-02D	4/10/2008	7030	8.07	4410	0.115	2080	2.08	481	2.60	70.0	ND (0.5)
OW-05S	1/22/2008	1600	7.68	900	2.61	412	2.54	106	3.76	---	---
OW-05S	4/10/2008	1800	8.71	1020	1.44	458	2.55	308	3.23	82.0	ND (0.5)
OW-05M	1/22/2008	6750	7.68	4200	0.187	2060	1.99	469	2.69	---	---
OW-05M	4/10/2008	7120	8.27	4440	0.116	2080	2.12	485	2.62	70.0	ND (0.5)
OW-05D	1/23/2008	6740	7.62	4090	ND (0.1)	2060	2.31	463	3.29	---	---
OW-05D	4/10/2008	7050	8.32	4050	0.251	2100	2.27	488	2.61	67.0	ND (0.5)

NOTES:

ND parameter not detected at the listed reporting limit

FD field duplicate

 $\mu\text{mhos}/\text{cm}$ micro-mhos per centimeter

NTU Nephelometric Turbidity Unit

mg/L milligrams per liter

--- data not collected, available

Nitrate/Nitrite as nitrogen was calculated as the sum of nitrate as nitrogen and nitrite as nitrogen. For nondetect results, the reporting limit was used.

TABLE 6
Treated Water Quality Compared to OW and CW Pre-injection Water Quality
PG&E Topock Compliance Monitoring Program

Location ID	Sample Date	Hexavalent Chromium ($\mu\text{g/L}$)	Total Chromium ($\mu\text{g/L}$)	Fluoride (mg/L)	Dissolved Molybdenum ($\mu\text{g/L}$)	Nitrate/Nitrite as Nitrogen (mg/L)	Sulfate (mg/L)	TDS (mg/L)
Treated Water	8/29/2005	ND(1.0)	ND(2.1)	1.95	8.3	3.7	450	3620
Treated Water	3/18/2006	ND(1.0)	ND(1.0)	1.92	8.2	2.79	482	4040
Treated Water	4/2/2008	ND(0.2)	ND(1.0)	2.27	13.8	2.66	488	4710
OW-01S	7/28/2005	19.4	23.5	2.45	17.2	3.2	114	1320
OW-01M	7/27/2005	16.3	18.9	2.31	27	1.01	311	3450
OW-01D	7/27/2005	ND(1.0)	ND(1.3)	1.14	46.1	0.321	441	6170
OW-02S	7/28/2005	15.3	14.8	3.79	35.6	3.81	126	1090
OW-02M	7/28/2005	5.4	5.7	2.19	32.4	0.735	342	4380
OW-02D	7/28/2005	ND(1.0)	ND(1.2)	0.966	51.2	0.1	616	9550
OW-05S	7/28/2005	23.4	25.6	2.3	17.1	3.55	105	1060
OW-05M	7/28/2005	8.6	8.8	2.74	35.4	0.621	417	5550
OW-05D	7/28/2005	ND(1.0)	ND(1.2)	1.11	57	0.151	480	8970
CW-01M	9/15/2005	18.1	17.8	2.34	21.6	1.11	318	2990
CW-01D	9/15/2005	ND(1.0)	1.6	0.951	32.1	0.972	379	6230
CW-02M	9/15/2005	15.8	15.5	2.3	23.1	0.908	342	3500
CW-02D	9/15/2005	ND(1.0)	1.6	0.982	41.6	0.28	601	8770
CW-03M	9/15/2005	8.8	8.1	2.57	24.2	0.642	464	4740
CW-03D	9/15/2005	ND(1.0)	ND(1.0)	1.4	29.2	0.304	672	9550
CW-04M	9/15/2005	19.2	19	1.5	12.3	1.18	240	3310
CW-04D	9/15/2005	ND(1.0)	ND(1.0)	1.01	26	0.188	534	7470

NOTES:

ND Not detected at the listed reporting limit.

mg/L milligrams per liter

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

Hexavalent chromium samples were analyzed with method E218.6.

Total chromium samples were analyzed with method E200.7.

Total chromium samples of the treated water were unfiltered.

TABLE 7

Treated Water Quality Compared to First and Second Quarter 2008 Sampling Event Water Quality
PG&E Topock Compliance Monitoring Program

Location ID	Sample Date	Hexavalent Chromium ($\mu\text{g/L}$)	Total Chromium ($\mu\text{g/L}$)	Fluoride (mg/L)	Dissolved Molybdenum ($\mu\text{g/L}$)	Nitrate/Nitrite as Nitrogen (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
Treated Water	3/8/2006	ND (1.0)	ND (1.0)	1.92	8.20	2.79	482	4040
Treated Water	9/7/2006	ND (1.0)	ND (1.0)	1.93	13.6	2.50	486	4420
Treated Water	4/2/2008	ND (0.2)	ND (1.0)	2.27	13.8	2.66	488	4710
CW-01M	4/9/2008	2.19	2.57	2.69	16.1	2.28	474	3790
CW-01D	4/9/2008	0.30	1.13	2.59	7.44	2.67	487	3870
CW-02M	4/8/2008	13.2	13.0	3.05	23.8	1.15	375	4030
CW-02M	4/8/2008 (FD)	13.2	13.1	3.16	24.4	1.23	374	3910
CW-02D	4/9/2008	0.31	ND (1.0)	7.22	42.7	1.97	479	3930
CW-03M	4/8/2008	11.9	12.3	2.92	17.4	0.684	408	5220
CW-03D	4/8/2008	1.32	1.78	6.16	94.3	2.46	513	4490
CW-04M	4/9/2008	20.9	20.4	2.14	12.0	1.36	291	3850
CW-04D	4/9/2008	2.53	2.95	4.59	37.9	1.52	542	5750
OW-01S	1/22/2008	18.9	20.3	2.37	7.20	2.92	137	1440
OW-01S	1/22/2008 (FD)	18.8	20.1	2.33	7.50	2.94	137	1420
OW-01S	4/9/2008	18.6	18.8	2.33	7.69	2.65	297	1560
OW-01M	1/21/2008	ND (1.0)	1.30	1.87	9.60	2.69	474	4400
OW-01M	4/9/2008	ND (1.0)	1.10	1.83	11.0	2.40	480	4490
OW-01D	1/21/2008	ND (1.0)	1.10	2.30	14.2	2.48	471	4280
OW-01D	4/10/2008	ND (1.0)	ND (1.0)	2.27	13.2	2.28	482	4190
OW-02S	1/22/2008	31.0	36.2	4.81	36.4	3.71	121	1000
OW-02S	4/10/2008	31.2	30.8	4.86	39.3	4.04	120	1010
OW-02S	4/10/2008 (FD)	31.8	31.1	5.04	39.9	3.53	123	1010
OW-02M	1/22/2008	0.97	1.40	1.79	9.70	2.71	481	4220
OW-02M	4/10/2008	ND (1.0)	1.00	1.85	10.8	2.40	490	4190
OW-02D	1/22/2008	0.32	ND (1.0)	1.87	11.7	2.91	471	4380
OW-02D	4/10/2008	ND (0.2)	ND (1.0)	2.08	13.3	2.60	481	4410
OW-05S	1/22/2008	22.1	25.0	2.54	21.1	3.76	106	900
OW-05S	4/10/2008	23.5	22.8	2.55	24.7	3.23	308	1020
OW-05M	1/22/2008	0.52	1.20	1.99	11.2	2.69	469	4200
OW-05M	4/10/2008	ND (1.0)	ND (1.0)	2.12	12.2	2.62	485	4440
OW-05D	1/23/2008	ND (1.0)	ND (1.0)	2.31	11.9	3.29	463	4090
OW-05D	4/10/2008	ND (1.0)	ND (1.0)	2.27	14.2	2.61	488	4050

TABLE 7

Treated Water Quality Compared to First and Second Quarter 2008 Sampling Event Water Quality
PG&E Topock Compliance Monitoring Program

Notes:

FD field duplicate
ND parameter not detected at the listed reporting limit
mg/L milligrams per liter
µg/L micrograms per liter

Hexavalent chromium samples were analyzed with method E218.6.

Total chromium samples were analyzed with methods E200.7 and E200.8. Total chromium and molybdenum samples were filtered, except for the treated water.

Molybdenum samples were analyzed with method E200.8.

Fluoride and Sulfate samples were analyzed with method E300.0.

Nitrate/Nitrite as Nitrogen samples were analyzed with methods E300.0 and SM4500NO3E.

Total Dissolved Solid samples were analyzed with methods E160.1 and SM2540C.

TABLE 8

Manual Water Level Measurements and Elevations, First and Second Quarter 2008

PG&E Topock Compliance Monitoring Program

Location ID	Well Depth (feet BTOC)	Measuring Point Elevation (feet AMSL)	Monitoring Date & Time		Water Level Measurement (feet BTOC)	Salinity (percent)	Groundwater/Water Elevation Adjusted for Salinity (feet AMSL)
CW-01M	190.0	566.16	09-Apr-08	12:38 PM	108.98	0.49	457.15
CW-01D	300.2	566.57	09-Apr-08	11:26 AM	109.66	0.50	456.87
CW-02M	202.0	549.37	08-Apr-08	1:27 PM	92.42	0.50	456.91
CW-02D	355.0	549.64	09-Apr-08	9:51 AM	92.40	0.53	457.19
CW-03M	222.0	534.21	08-Apr-08	10:52 AM	77.28	0.59	457.00
CW-03D	340.0	534.27	08-Apr-08	12:08 PM	76.72	0.76	457.95
CW-04M	169.8	518.66	09-Apr-08	8:30 AM	61.43	0.44	457.16
CW-04D	303.0	518.68	09-Apr-08	6:51 AM	61.49	0.63	457.40
OW-01S	113.5	550.21	22-Jan-08	8:40 AM	94.94	0.12	455.21
			09-Apr-08	2:15 PM	93.20	0.19	456.95
OW-01M	185.8	550.45	21-Jan-08	11:32 AM	94.78	0.45	455.62
			09-Apr-08	1:24 PM	93.16	0.51	457.27
OW-01D	277.0	550.48	21-Jan-08	12:57 PM	94.10	0.40	456.22
			10-Apr-08	6:49 AM	93.00	0.48	457.41
OW-02S	121.0	548.88	22-Jan-08	11:30 AM	93.50	0.11	455.29
			10-Apr-08	9:43 AM	91.94	0.13	456.85
OW-02M	210.3	548.59	22-Jan-08	9:27 AM	92.93	0.41	455.57
			10-Apr-08	8:58 AM	91.34	0.52	457.25
OW-02D	340.0	549.15	22-Jan-08	10:34 AM	92.43	0.43	456.55
			10-Apr-08	7:52 AM	91.48	0.52	457.67
OW-05S	110.3	551.83	22-Jan-08	12:25 PM	96.27	0.11	455.51
			10-Apr-08	12:41 PM	94.71	0.14	457.07
OW-05M	250.3	551.81	22-Jan-08	1:05 PM	95.02	0.42	456.65
			10-Apr-08	11:44 AM	94.00	0.49	457.74
OW-05D	350.0	552.33	23-Jan-08	9:44 AM	96.58	0.42	455.57
			10-Apr-08	10:38 AM	94.69	0.58	457.72

Notes:

AMSL above mean sea level

BTOC below top of polyvinyl chloride (PVC) casing

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

TABLE 9
 Vertical Gradients within the OW and CW clusters
PG&E Topock Compliance Monitoring Program

Well Pairs	Vertical Gradient (ft/ft)^a
CW-01D to CW-01M	0.0039
CW-02D to CW-02M	0.0054
CW-03D to CW-03M	0.0093
CW-04D to CW-04M	0.0026
OW-01M to OW-01S	0.0044
OW-01D to OW-01M	0.0032
OW-02M to OW-02S	0.0024
OW-02D to OW-02M	0.0050

^a Positive value signifies an upward gradient.

Gradients calculated using March 15 through April 15, 2008
 average groundwater levels.

TABLE 10

Field Parameter Measurements for Groundwater Samples, First and Second Quarter 2008

PG&E Topock Compliance Monitoring Program

Location ID	Sampling Date	Specific Conductance ($\mu\text{mhos/cm}$)	Temperature ($^{\circ}\text{C}$)	pH (pH units)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (%)
CW-01M	4/9/2008	7432	29.77	8.15	32.9	7.07	0.7	0.407
CW-01D	4/9/2008	7506	29.86	8.13	42.7	7.06	1.2	0.411
CW-02M	4/8/2008	5850	29.8	8.31	21.4	1.97	2.2	0.317
CW-02D	4/9/2008	7446	30.82	8.56	51	6.89	1.2	0.407
CW-03M	4/8/2008	9136	29.73	8.37	26.6	0.48	0.5	0.507
CW-03D	4/8/2008	7873	30.57	8.83	31.8	7.56	1.2	0.432
CW-04M	4/9/2008	6343	29.49	7.96	72	0.8	0.9	0.343
CW-04D	4/9/2008	10289	30.46	8.12	99.8	3.14	1.2	0.576
OW-01S	1/22/2008	2587	29.01	7.73	1.3	3.93	10	0.133
OW-01S	4/9/2008	2759	29.68	7.93	30.6	4.42	3.8	0.142
OW-01M	1/21/2008	7485	30.09	7.76	78.1	5.59	2	0.41
OW-01M	4/9/2008	7318	30.21	7.8	35	6.74	0.2	0.4
OW-01D	1/21/2008	7381	29.66	7.62	48.9	3.69	1.5	0.404
OW-01D	4/10/2008	7224	30.12	8.46	117.8	4.14	4.4	0.394
OW-02S	1/22/2008	1813	28.12	7.9	17.9	6.33	27	0.091
OW-02S	4/10/2008	1894	28.53	8.2	86.5	4.98	1.3	0.096
OW-02M	1/22/2008	7312	30.09	7.91	43.1	5.2	2	0.399
OW-02M	4/10/2008	7418	30.39	8.26	97.8	4.36	0.3	0.405
OW-02D	1/22/2008	7298	29.77	7.63	46.1	5.9	3	0.399
OW-02D	4/10/2008	7435	29.61	8.07	104.3	4.82	2.8	0.407
OW-05S	1/22/2008	1720	28.49	7.68	228.1	5.4	13	0.086
OW-05S	4/10/2008	2019	29.12	8.71	59.7	4.35	6.7	0.102
OW-05M	1/22/2008	7299	29.6	7.68	266.7	6.09	2	0.399
OW-05M	4/10/2008	7478	28.4	8.27	64.7	4.72	0.6	0.41
OW-05D	1/23/2008	7294	27.76	7.62	71.5	5.69	4	0.4
OW-05D	4/10/2008	7437	27.95	8.32	93.5	4.41	0.5	0.408

Notes:

$\mu\text{mhos/cm}$ micro-mhos per centimeter
 $^{\circ}\text{C}$ degree centigrade
 ORP oxidation reduction potential
 mV millivolts
 mg/L milligrams per liter
 NTU Nephelometric Turbidity Unit
 % percentage

TABLE 11

Board Order No. R7-2006-0060 WDR Monitoring Information for Groundwater Samples, First and Second Quarter 2008

PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-01D	CW-01D-016	Barry Collom	4/9/2008	1:15:00 PM	TLI	EPA 120.1	SC	4/14/2008	Tina Acquiat	µmhos/cm	6920	2.00	0.153
					TLI	EPA 200.7	MGD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	9.00	1.00	0.00785
					TLI	EPA 200.7	NAD	4/28/2008	Hao Ton/Michel Mendoza	mg/L	1420	200	0.44
					TLI	EPA 200.7	KD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	14.6	2.00	0.0214
					TLI	EPA 200.7	FETD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	0.0522 J	0.02	0.00095
					TLI	EPA 200.7	FET	4/10/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)J	0.02	0.00095
					TLI	EPA 200.7	CAD	5/13/2008	Hao Ton/Michel Mendoza	mg/L	109	20.0	1.54
					TLI	EPA 200.7	BD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	1.06	0.20	0.00084
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	7.44	5.00	0.0168
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	640	10.0	0.65
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	1.13	1.00	0.0532
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	26.0	5.00	0.0211
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 218.6	CR6	4/10/2008	Jean Paul Gleeson	µg/L	0.30	0.20	0.0304
					TLI	EPA 245.1	HGD	4/28/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.03

TABLE 11

Board Order No. R7-2006-0060 WDR Monitoring Information for Groundwater Samples, First and Second Quarter 2008

PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-01D	CW-01D-016	Barry Collom	4/9/2008	1:15:00 PM	TLI	EPA 300.0	FL	4/10/2008	Giawad Ghenniwa	mg/L	2.59	0.50	0.025
					TLI	EPA 300.0	SO4	4/10/2008	Giawad Ghenniwa	mg/L	487	12.5	0.60
					TLI	EPA 300.0	CL	4/10/2008	Giawad Ghenniwa	mg/L	2060	100	14.0
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	77.0	5.00	1.68
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	93.9	5.00	1.68
					TLI	SM2130B	TRB	4/10/2008	Gautam Savani	NTU	0.15	0.10	0.007
					TLI	SM2540C	TDS	4/14/2008	Tina Acquiat	mg/L	3870	250	50.4
					TLI	SM4500NH3D	NH3N	4/14/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	2.67	0.50	0.10
CW-01M	CW-01M-016	Barry Collom	4/9/2008	2:08:00 PM	TLI	EPA 120.1	SC	4/14/2008	Tina Acquiat	µmhos/cm	6870	2.00	0.153
					TLI	EPA 200.7	CAD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	90.2	20.0	1.54
					TLI	EPA 200.7	FET	4/10/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.00095
					TLI	EPA 200.7	FETD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	0.0234	0.02	0.00095
					TLI	EPA 200.7	KD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	15.1	2.00	0.0214
					TLI	EPA 200.7	MGD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	9.89	1.00	0.00785
					TLI	EPA 200.7	NAD	5/13/2008	Hao Ton/Michel Mendoza	mg/L	1410	200	0.44
					TLI	EPA 200.7	BD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	0.869	0.20	0.00084
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	2.57	1.00	0.0532
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	16.1	5.00	0.0168

TABLE 11

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PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-01M	CW-01M-016	Barry Collom	4/9/2008	2:08:00 PM	TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 218.6	CR6	4/10/2008	Jean Paul Gleeson	µg/L	2.19	0.20	0.0304
					TLI	EPA 245.1	HGD	4/28/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.03
					TLI	EPA 300.0	FL	4/10/2008	Giawad Ghenniwa	mg/L	2.69	0.50	0.025
					TLI	EPA 300.0	SO4	4/10/2008	Giawad Ghenniwa	mg/L	474	12.5	0.60
					TLI	EPA 300.0	CL	4/10/2008	Giawad Ghenniwa	mg/L	2070	100	14.0
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	68.3	5.00	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	56.0	5.00	1.68
					TLI	SM2130B	TRB	4/10/2008	Gautam Savani	NTU	0.128	0.10	0.007
					TLI	SM2540C	TDS	4/14/2008	Tina Acquiat	mg/L	3790	250	50.4
					TLI	SM4500NH3D	NH3N	4/14/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	2.28	0.50	0.10
CW-02D	CW-02D-016	Barry Collom	4/9/2008	11:50:00 AM	TLI	EPA 120.1	SC	4/14/2008	Tina Acquiat	µmhos/cm	6740	2.00	0.153
					TLI	EPA 200.7	NAD	4/28/2008	Hao Ton/Michel Mendoza	mg/L	1650	200	0.44
					TLI	EPA 200.7	BD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	1.44	0.20	0.00084
					TLI	EPA 200.7	CAD	4/28/2008	Hao Ton/Michel Mendoza	mg/L	67.1	2.00	0.154
					TLI	EPA 200.7	FET	4/10/2008	Hao Ton/Michel Mendoza	mg/L	0.0835	0.02	0.00095
					TLI	EPA 200.7	FETD	5/2/2008	Hao Ton/Michel Mendoza	mg/L	0.0212	0.02	0.00095
					TLI	EPA 200.7	KD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	16.2	2.00	0.0214
					TLI	EPA 200.7	MGD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	4.76	1.00	0.00785

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-02D	CW-02D-016	Barry Collom	4/9/2008	11:50:00 AM	TLI	EPA 200.8	CUD	4/24/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	42.7	5.00	0.0168
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	6.82	5.00	0.0124
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0532
					TLI	EPA 218.6	CR6	4/10/2008	Jean Paul Gleeson	µg/L	0.31	0.20	0.0304
					TLI	EPA 245.1	HGD	4/28/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.03
					TLI	EPA 300.0	SO4	4/10/2008	Giawad Ghenniwa	mg/L	479	12.5	0.60
					TLI	EPA 300.0	CL	4/10/2008	Giawad Ghenniwa	mg/L	2270	100	14.0
					TLI	EPA 300.0	FL	4/10/2008	Giawad Ghenniwa	mg/L	7.22	0.50	0.025
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	53.0	5.00	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	64.7	5.00	1.68
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM2130B	TRB	4/10/2008	Gautam Savani	NTU	0.392	0.10	0.007
					TLI	SM2540C	TDS	4/14/2008	Tina Acquiat	mg/L	3930	250	50.4

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-02D	CW-02D-016	Barry Collom	4/9/2008	11:50:00 AM	TLI	SM4500NH3D	NH3N	4/14/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	1.97	0.50	0.10
CW-02M	OW-90-016	Barry Collom	4/8/2008	3:05:00 PM	TLI	EPA 120.1	SC	4/14/2008	Tina Acquiat	µmhos/cm	6690	2.00	0.153
					TLI	EPA 200.7	MGD	5/13/2008	Hao Ton/Michel Mendoza	mg/L	9.54	1.00	0.0785
					TLI	EPA 200.7	KD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	14.2	2.00	0.0214
					TLI	EPA 200.7	BD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	1.20	0.20	0.00084
					TLI	EPA 200.7	FET	4/10/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)J	0.02	0.00095
					TLI	EPA 200.7	FETD	5/2/2008	Hao Ton/Michel Mendoza	mg/L	0.0382 J	0.02	0.00095
					TLI	EPA 200.7	CAD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	110	20.0	1.54
					TLI	EPA 200.7	NAD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	1450	200	0.44
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	24.4	5.00	0.0168
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	13.1	1.00	0.0532
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-02M	OW-90-016	Barry Collom	4/8/2008	3:05:00 PM	TLI	EPA 218.6	CR6	4/10/2008	Jean Paul Gleeson	µg/L	13.2	0.20	0.0304
					TLI	EPA 245.1	HGD	4/28/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.03
					TLI	EPA 300.0	CL	4/10/2008	Giawad Ghenniwa	mg/L	2090	100	14.0
					TLI	EPA 300.0	FL	4/10/2008	Giawad Ghenniwa	mg/L	3.16	0.50	0.025
					TLI	EPA 300.0	SO4	4/10/2008	Giawad Ghenniwa	mg/L	374	12.5	0.60
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	59.8	5.00	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	49.0	5.00	1.68
					TLI	SM2130B	TRB	4/10/2008	Gautam Savani	NTU	0.119	0.10	0.007
					TLI	SM2540C	TDS	4/14/2008	Tina Acquiat	mg/L	3910	250	50.4
					TLI	SM4500NH3D	NH3N	4/14/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	1.23	0.10	0.02
CW-02M	CW-02M-016	Barry Collom	4/8/2008	3:14:00 PM	TLI	EPA 120.1	SC	4/14/2008	Tina Acquiat	µmhos/cm	6750	2.00	0.153
					TLI	EPA 200.7	NAD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	1340	200	0.44
					TLI	EPA 200.7	CAD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	93.8	20.0	1.54
					TLI	EPA 200.7	MGD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	9.91	1.00	0.00785
					TLI	EPA 200.7	KD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	14.2	2.00	0.0214
					TLI	EPA 200.7	FETD	5/14/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.00095
					TLI	EPA 200.7	FET	4/10/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.00095
					TLI	EPA 200.7	BD	5/14/2008	Hao Ton/Michel Mendoza	mg/L	1.02	0.20	0.00084
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	13.0	1.00	0.0532
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	CUD	4/24/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	23.8	5.00	0.0168
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-02M	CW-02M-016	Barry Collom	4/8/2008	3:14:00 PM	TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 218.6	CR6	4/10/2008	Jean Paul Gleeson	µg/L	13.2	0.20	0.0304
					TLI	EPA 245.1	HGD	4/28/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.03
					TLI	EPA 300.0	CL	4/10/2008	Giawad Ghenniwa	mg/L	2460	100	14.0
					TLI	EPA 300.0	FL	4/10/2008	Giawad Ghenniwa	mg/L	3.05	0.50	0.025
					TLI	EPA 300.0	SO4	4/10/2008	Giawad Ghenniwa	mg/L	375	12.5	0.60
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	49.0	5.00	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	59.8	5.00	1.68
					TLI	SM2130B	TRB	4/10/2008	Gautam Savani	NTU	0.149	0.10	0.007
					TLI	SM2540C	TDS	4/14/2008	Tina Acquiat	mg/L	4030	250	50.4
					TLI	SM4500NH3D	NH3N	4/14/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	1.15	0.10	0.02
CW-03D	CW-03D-016	Barry Collom	4/8/2008	2:05:00 PM	TLI	EPA 120.1	SC	4/14/2008	Tina Acquiat	µmhos/cm	7390	2.00	0.153
					TLI	EPA 200.7	NAD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	1540	200	0.44
					TLI	EPA 200.7	MGD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	7.17	1.00	0.00785
					TLI	EPA 200.7	KD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	16.8	2.00	0.0214
					TLI	EPA 200.7	FETD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	0.0221	0.02	0.00095
					TLI	EPA 200.7	FET	5/2/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.00095

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-03D	CW-03D-016	Barry Collom	4/8/2008	2:05:00 PM	TLI	EPA 200.7	CAD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	72.8	2.00	0.154
					TLI	EPA 200.7	BD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	1.53	0.20	0.00084
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	1.78	1.00	0.0532
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	94.3	5.00	0.0168
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 218.6	CR6	4/9/2008	Jean Paul Gleeson	µg/L	1.32	0.20	0.0304
					TLI	EPA 245.1	HGD	4/28/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.03
					TLI	EPA 300.0	SO4	4/10/2008	Giawad Ghenniwa	mg/L	513	12.5	0.60
					TLI	EPA 300.0	FL	4/10/2008	Giawad Ghenniwa	mg/L	6.16	0.50	0.025
					TLI	EPA 300.0	CL	4/10/2008	Giawad Ghenniwa	mg/L	2250	100	14.0
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	61.0	5.00	1.68
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	50.0	5.00	1.68

TABLE 11

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-03D	CW-03D-016	Barry Collom	4/8/2008	2:05:00 PM	TLI	SM2130B	TRB	4/10/2008	Gautam Savani	NTU	0.16	0.10	0.007
					TLI	SM2540C	TDS	4/14/2008	Tina Acquiat	mg/L	4490	250	50.4
					TLI	SM4500NH3D	NH3N	4/14/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	2.46	0.50	0.10
CW-03M	CW-03M-016	Barry Collom	4/8/2008	12:43:00 PM	TLI	EPA 120.1	SC	4/14/2008	Tina Acquiat	µmhos/cm	8670	2.00	0.153
					TLI	EPA 200.7	BD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	1.15	0.20	0.00084
					TLI	EPA 200.7	NAD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	2130	200	0.44
					TLI	EPA 200.7	MGD	5/2/2008	Hao Ton/Michel Mendoza	mg/L	20.7	1.00	0.0785
					TLI	EPA 200.7	KD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	19.8	2.00	0.0214
					TLI	EPA 200.7	FETD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	0.0265 J	0.02	0.00095
					TLI	EPA 200.7	CAD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	277	20.0	1.54
					TLI	EPA 200.7	FET	5/2/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)J	0.02	0.00095
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	17.4	5.00	0.0168
					TLI	EPA 200.8	CUD	4/24/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	12.3	1.00	0.0532
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-03M	CW-03M-016	Barry Collom	4/8/2008	12:43:00 PM	TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 218.6	CR6	4/10/2008	Jean Paul Gleeson	µg/L	11.9	1.05	0.152
					TLI	EPA 245.1	HGD	4/28/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.03
					TLI	EPA 300.0	CL	4/10/2008	Giawad Ghenniwa	mg/L	2800	100	14.0
					TLI	EPA 300.0	SO4	4/10/2008	Giawad Ghenniwa	mg/L	408	12.5	0.60
					TLI	EPA 300.0	FL	4/10/2008	Giawad Ghenniwa	mg/L	2.92	0.50	0.025
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	45.0	5.00	1.68
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	54.9	5.00	1.68
					TLI	SM2130B	TRB	4/10/2008	Gautam Savani	NTU	0.213	0.10	0.007
					TLI	SM2540C	TDS	4/14/2008	Tina Acquiat	mg/L	5220	250	50.4
					TLI	SM4500NH3D	NH3N	4/14/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
CW-04D	CW-04D-016	Barry Collom	4/9/2008	8:58:00 AM	EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	0.684	0.10	0.02
					TLI	EPA 120.1	SC	4/14/2008	Tina Acquiat	µmhos/cm	9520	2.00	0.153
					TLI	EPA 200.7	CAD	4/28/2008	Hao Ton/Michel Mendoza	mg/L	147	20.0	1.54
					TLI	EPA 200.7	NAD	4/28/2008	Hao Ton/Michel Mendoza	mg/L	1770	200	0.44
					TLI	EPA 200.7	MGD	5/2/2008	Hao Ton/Michel Mendoza	mg/L	11.3	1.00	0.0785
					TLI	EPA 200.7	KD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	20.9	2.00	0.0214
					TLI	EPA 200.7	FET	4/10/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)J	0.02	0.00095
					TLI	EPA 200.7	BD	4/17/2008	Hao Ton/Michel Mendoza	mg/L	1.05	0.20	0.00084
					TLI	EPA 200.7	FETD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	0.0339 J	0.02	0.00095
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	2.95	1.00	0.0532
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-04D	CW-04D-016	Barry Collom	4/9/2008	8:58:00 AM	TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	SED	4/25/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	37.9	5.00	0.0168
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 218.6	CR6	4/10/2008	Jean Paul Gleeson	µg/L	2.53	1.05	0.152
					TLI	EPA 245.1	HGD	4/28/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.03
					TLI	EPA 300.0	SO4	4/10/2008	Giawad Ghenniwa	mg/L	542	12.5	0.60
					TLI	EPA 300.0	FL	4/10/2008	Giawad Ghenniwa	mg/L	4.59	0.50	0.025
					TLI	EPA 300.0	CL	4/10/2008	Giawad Ghenniwa	mg/L	3120	100	14.0
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	56.1	5.00	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	46.0	5.00	1.68
					TLI	SM2130B	TRB	4/10/2008	Gautam Savani	NTU	0.181	0.10	0.007
					TLI	SM2540C	TDS	4/14/2008	Tina Acquiat	mg/L	5750	250	50.4
					TLI	SM4500NH3D	NH3N	4/14/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	1.52	0.10	0.02
CW-04M	CW-04M-016	Barry Collom	4/9/2008	10:13:00 AM	TLI	EPA 120.1	SC	4/14/2008	Tina Acquiat	µmhos/cm	5810	2.00	0.153
					TLI	EPA 200.7	NAD	4/28/2008	Hao Ton/Michel Mendoza	mg/L	1220	200	0.44
					TLI	EPA 200.7	MGD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	8.77	1.00	0.00785
					TLI	EPA 200.7	KD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	15.8	2.00	0.0214

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-04M	CW-04M-016	Barry Collom	4/9/2008	10:13:00 AM	TLI	EPA 200.7	FETD	4/11/2008	Hao Ton/Michel Mendoza	mg/L	0.026 J	0.02	0.00095
					TLI	EPA 200.7	FET	4/10/2008	Hao Ton/Michel Mendoza	mg/L	0.0205 J	0.02	0.00095
					TLI	EPA 200.7	CAD	4/28/2008	Hao Ton/Michel Mendoza	mg/L	112	20.0	1.54
					TLI	EPA 200.7	BD	4/21/2008	Hao Ton/Michel Mendoza	mg/L	0.595	0.20	0.00084
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	20.4	1.00	0.0532
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	12.0	5.00	0.0168
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 218.6	CR6	4/10/2008	Jean Paul Gleeson	µg/L	20.9	0.20	0.0304
					TLI	EPA 245.1	HGD	4/28/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.03
					TLI	EPA 300.0	FL	4/10/2008	Giawad Ghenniwa	mg/L	2.14	0.50	0.025
					TLI	EPA 300.0	CL	4/10/2008	Giawad Ghenniwa	mg/L	1800	100	14.0
					TLI	EPA 300.0	SO4	4/10/2008	Giawad Ghenniwa	mg/L	291	12.5	0.60
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
CW-04M	CW-04M-016	Barry Collom	4/9/2008	10:13:00 AM	TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	53.0	5.00	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO ₃	64.7	5.00	1.68
					TLI	SM2130B	TRB	4/10/2008	Gautam Savani	NTU	0.174	0.10	0.007
					TLI	SM2540C	TDS	4/14/2008	Tina Acquiat	mg/L	3850	125	25.2
					TLI	SM4500NH3D	NH ₃ N	4/14/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO ₃ -E	NO ₃ NO ₂ N	4/16/2008	Sue Elena Robles	mg/L	1.36	0.10	0.02
OW-01D	OW-01D-015	Barry Collom	1/21/2008	1:45:00 PM	TLI	EPA 120.1	SC	1/22/2008	Tina Acquiat	µmhos/cm	6410	2.00	0.153
					TLI	EPA 200.7	BD	1/23/2008	Michel Mendoza	mg/L	1.28	0.20	0.0048
					TLI	EPA 200.8	MOD	1/23/2008	Linda Saetern	µg/L	14.2	1.00	0.017
					TLI	EPA 200.8	CRTD	1/23/2008	Linda Saetern	µg/L	1.10	1.00	0.053
					TLI	EPA 218.6	CR6	1/22/2008	David Blackburn	µg/L	ND (1.0)	1.0	0.14
					TLI	EPA 300.0	CL	1/22/2008	Giawad Ghenniwa	mg/L	1960	200	28.0
					TLI	EPA 300.0	SO ₄	1/22/2008	Giawad Ghenniwa	mg/L	471	12.5	0.60
					TLI	EPA 300.0	FL	1/22/2008	Giawad Ghenniwa	mg/L	2.30	0.50	0.025
					TLI	SM2130B	TRB	1/22/2008	Gautam Savani	NTU	0.277	0.10	0.007
					TLI	SM2540C	TDS	1/22/2008	Tina Acquiat	mg/L	4280	250	50.4
					EMXT	SM4500NO ₃ -E	NO ₃ NO ₂ N	1/24/2008	Tina Hoang	mg/L	2.48	0.50	0.10
OW-01D	OW-01D-016	Barry Collom	4/10/2008	8:34:00 AM	TLI	EPA 120.1	SC	4/15/2008	Tina Acquiat	µmhos/cm	6840	2.00	0.153
					TLI	EPA 200.7	NAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	1330	200	8.10
					TLI	EPA 200.7	CAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	127	20.0	0.47
					TLI	EPA 200.7	FET	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	FETD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	KD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	14.6	2.00	0.019
					TLI	EPA 200.7	MGD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	12.3	1.00	0.006
					TLI	EPA 200.7	BD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	1.28	0.20	0.0048
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115

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PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-01D	OW-01D-016	Barry Collom	4/10/2008	8:34:00 AM	TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	13.2	5.00	0.0168
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0532
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 218.6	CR6	4/15/2008	Jean Paul Gleeson	µg/L	ND (1.0)	1.0	0.152
					TLI	EPA 245.1	HGD	4/26/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.003
					TLI	EPA 300.0	SO4	4/14/2008	Giawad Ghenniwa	mg/L	482	12.5	0.60
					TLI	EPA 300.0	FL	4/11/2008	Giawad Ghenniwa	mg/L	2.27	0.50	0.025
					TLI	EPA 300.0	CL	4/11/2008	Giawad Ghenniwa	mg/L	2010	100	14.0
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	84.2	5.00	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	69.0	5.00	1.68
					TLI	SM2130B	TRB	4/11/2008	Gautam Savani	NTU	1.02	0.10	0.007
					TLI	SM2540C	TDS	4/16/2008	Tina Acquiat	mg/L	4190	250	50.4
					TLI	SM4500NH3D	NH3N	4/15/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	2.28	0.50	0.10

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-01M	OW-01M-015	Barry Collom	1/21/2008	12:30:00 PM	TLI	EPA 120.1	SC	1/22/2008	Tina Acquiat	µmhos/cm	6520	2.00	0.153
					TLI	EPA 200.7	BD	1/23/2008	Michel Mendoza	mg/L	1.22	0.20	0.0048
					TLI	EPA 200.8	CRTD	1/23/2008	Linda Saetern	µg/L	1.30	1.00	0.053
					TLI	EPA 200.8	MOD	1/23/2008	Linda Saetern	µg/L	9.60	1.00	0.017
					TLI	EPA 218.6	CR6	1/22/2008	David Blackburn	µg/L	ND (1.0)	1.0	0.14
					TLI	EPA 300.0	FL	1/22/2008	Giawad Ghenniwa	mg/L	1.87	0.50	0.025
					TLI	EPA 300.0	CL	1/22/2008	Giawad Ghenniwa	mg/L	1990	200	28.0
					TLI	EPA 300.0	SO4	1/22/2008	Giawad Ghenniwa	mg/L	474	12.5	0.60
					TLI	SM2130B	TRB	1/22/2008	Gautam Savani	NTU	ND (0.1)	0.1	0.007
					TLI	SM2540C	TDS	1/22/2008	Tina Acquiat	mg/L	4400	250	50.4
OW-01M	OW-01M-016	Barry Collom	4/9/2008	2:58:00 PM	EMXT	SM4500NO3-E	NO3NO2N	1/24/2008	Tina Hoang	mg/L	2.69	0.50	0.10
					TLI	EPA 120.1	SC	4/15/2008	Tina Acquiat	µmhos/cm	6910	2.00	0.153
					TLI	EPA 200.7	MGD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	18.4	1.00	0.006
					TLI	EPA 200.7	KD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	17.2	2.00	0.019
					TLI	EPA 200.7	FETD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	FET	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	CAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	172	20.0	0.47
					TLI	EPA 200.7	BD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	1.37	0.20	0.0048
					TLI	EPA 200.7	NAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	1370	200	8.10
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-01M	OW-01M-016	Barry Collom	4/9/2008	2:58:00 PM	TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	ASD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	11.0	5.00	0.0168
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	1.10	1.00	0.0532
					TLI	EPA 218.6	CR6	4/15/2008	Jean Paul Gleeson	µg/L	ND (1.0)	1.0	0.152
					TLI	EPA 245.1	HGD	4/26/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.003
					TLI	EPA 300.0	FL	4/11/2008	Giawad Ghenniwa	mg/L	1.83	0.50	0.025
					TLI	EPA 300.0	CL	4/14/2008	Giawad Ghenniwa	mg/L	2080	100	14.0
					TLI	EPA 300.0	SO4	4/11/2008	Giawad Ghenniwa	mg/L	480	25.0	1.20
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	87.8	5.00	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	72.0	5.00	1.68
					TLI	SM2130B	TRB	4/11/2008	Gautam Savani	NTU	0.103	0.10	0.007
					TLI	SM2540C	TDS	4/16/2008	Tina Acquiat	mg/L	4490	250	50.4
					TLI	SM4500NH3D	NH3N	4/15/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	2.40	0.50	0.10
OW-01S	MW-90-015a	Barry Collom	1/22/2008	8:10:00 AM	TLI	EPA 120.1	SC	1/23/2008	Tina Acquiat	µmhos/cm	2310	2.00	0.153
					TLI	EPA 200.7	BD	1/23/2008	Michel Mendoza	mg/L	0.276	0.20	0.0048
					TLI	EPA 200.8	MOD	1/23/2008	Linda Saetern	µg/L	7.50	5.00	0.017
					TLI	EPA 200.8	CRTD	1/23/2008	Linda Saetern	µg/L	20.1	1.00	0.053
					TLI	EPA 218.6	CR6	1/22/2008	Jean Paul Gleeson	µg/L	18.8	0.20	0.03
					TLI	EPA 300.0	SO4	1/23/2008	Giawad Ghenniwa	mg/L	137	2.50	0.12
					TLI	EPA 300.0	CL	1/23/2008	Giawad Ghenniwa	mg/L	679	20.0	2.80

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-01S	MW-90-015a	Barry Collom	1/22/2008	8:10:00 AM	TLI	EPA 300.0	FL	1/23/2008	Giawad Ghenniwa	mg/L	2.33	0.50	0.025
					TLI	SM2130B	TRB	1/23/2008	Gautam Savani	NTU	1.56	0.10	0.007
					TLI	SM2540C	TDS	1/24/2008	Tina Acquiat	mg/L	1420	50.0	10.1
					EMXT	SM4500NO3-E	NO3NO2N	1/24/2008	Tina Hoang	mg/L	2.94	0.50	0.10
OW-01S	OW-01S-015	Barry Collom	1/22/2008	9:10:00 AM	TLI	EPA 120.1	SC	1/23/2008	Tina Acquiat	µmhos/cm	2360	2.00	0.153
					TLI	EPA 200.7	BD	1/23/2008	Michel Mendoza	mg/L	0.274	0.20	0.0048
					TLI	EPA 200.8	MOD	1/23/2008	Linda Saetern	µg/L	7.20	5.00	0.017
					TLI	EPA 200.8	CRTD	1/23/2008	Linda Saetern	µg/L	20.3	1.00	0.053
					TLI	EPA 218.6	CR6	1/22/2008	Jean Paul Gleeson	µg/L	18.9	0.20	0.03
					TLI	EPA 300.0	CL	1/23/2008	Giawad Ghenniwa	mg/L	675	20.0	2.80
					TLI	EPA 300.0	FL	1/23/2008	Giawad Ghenniwa	mg/L	2.37	0.50	0.025
					TLI	EPA 300.0	SO4	1/23/2008	Giawad Ghenniwa	mg/L	137	2.50	0.12
					TLI	SM2130B	TRB	1/23/2008	Gautam Savani	NTU	1.65	0.10	0.007
					TLI	SM2540C	TDS	1/24/2008	Tina Acquiat	mg/L	1440	50.0	10.1
					EMXT	SM4500NO3-E	NO3NO2N	1/24/2008	Tina Hoang	mg/L	2.92	0.50	0.10
OW-01S	OW-01S-016	Barry Collom	4/9/2008	3:50:00 PM	TLI	EPA 120.1	SC	4/15/2008	Tina Acquiat	µmhos/cm	2570	2.00	0.153
					TLI	EPA 200.7	KD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	9.21	2.00	0.019
					TLI	EPA 200.7	BD	5/14/2008	Hao Ton/Michel Mendoza	mg/L	0.327	0.20	0.0048
					TLI	EPA 200.7	CAD	5/13/2008	Hao Ton/Michel Mendoza	mg/L	108	20.0	0.47
					TLI	EPA 200.7	FET	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	FETD	5/14/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	MGD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	20.6	1.00	0.006
					TLI	EPA 200.7	NAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	385	20.0	0.81
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	7.69	5.00	0.0168
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-01S	OW-01S-016	Barry Collom	4/9/2008	3:50:00 PM	TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	18.8	1.00	0.0532
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 218.6	CR6	4/15/2008	Jean Paul Gleeson	µg/L	18.6	0.20	0.0304
					TLI	EPA 245.1	HGD	4/26/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.003
					TLI	EPA 300.0	CL	4/11/2008	Giawad Ghenniwa	mg/L	718	20.0	2.80
					TLI	EPA 300.0	FL	4/11/2008	Giawad Ghenniwa	mg/L	2.33	0.50	0.025
					TLI	EPA 300.0	SO4	4/14/2008	Giawad Ghenniwa	mg/L	297	5.00	0.24
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	65.0	5.00	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	79.3	5.00	1.68
					TLI	SM2130B	TRB	4/11/2008	Gautam Savani	NTU	0.907	0.10	0.007
					TLI	SM2540C	TDS	4/16/2008	Tina Acquiat	mg/L	1560	50.0	10.1
					TLI	SM4500NH3D	NH3N	4/15/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	2.65	1.00	0.20
OW-02D	OW-02D-015	Barry Collom	1/22/2008	11:25:00 AM	TLI	EPA 120.1	SC	1/23/2008	Tina Acquiat	µmhos/cm	6710	2.00	0.153
					TLI	EPA 200.7	BD	1/23/2008	Michel Mendoza	mg/L	1.10	0.20	0.0048

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Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-02D	OW-02D-015	Barry Collom	1/22/2008	11:25:00 AM	TLI	EPA 200.8	CRTD	1/23/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.053
					TLI	EPA 200.8	MOD	1/23/2008	Linda Saetern	µg/L	11.7	5.00	0.017
					TLI	EPA 218.6	CR6	1/22/2008	Jean Paul Gleeson	µg/L	0.32	0.20	0.03
					TLI	EPA 300.0	FL	1/23/2008	Giawad Ghenniwa	mg/L	1.87	0.50	0.025
					TLI	EPA 300.0	CL	1/23/2008	Giawad Ghenniwa	mg/L	2080	100	14.0
					TLI	EPA 300.0	SO4	1/23/2008	Giawad Ghenniwa	mg/L	471	12.5	0.60
					TLI	SM2130B	TRB	1/23/2008	Gautam Savani	NTU	ND (0.1)	0.1	0.007
					TLI	SM2540C	TDS	1/24/2008	Tina Acquiat	mg/L	4380	250	50.4
					EMXT	SM4500NO3-E	NO3NO2N	1/24/2008	Tina Hoang	mg/L	2.91	0.50	0.10
OW-02D	OW-02D-016	Barry Collom	4/10/2008	9:45:00 AM	TLI	EPA 120.1	SC	4/15/2008	Tina Acquiat	µmhos/cm	7030	2.00	0.153
					TLI	EPA 200.7	FETD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	BD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	1.23	0.20	0.0048
					TLI	EPA 200.7	CAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	160	20.0	0.47
					TLI	EPA 200.7	FET	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	KD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	15.0	2.00	0.019
					TLI	EPA 200.7	NAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	1300	200	8.10
					TLI	EPA 200.7	MGD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	21.8	1.00	0.006
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	13.3	5.00	0.0168
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0532
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211

TABLE 11

Board Order No. R7-2006-0060 WDR Monitoring Information for Groundwater Samples, First and Second Quarter 2008

PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-02D	OW-02D-016	Barry Collom	4/10/2008	9:45:00 AM	TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	CUD	4/24/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 218.6	CR6	4/15/2008	Jean Paul Gleeson	µg/L	ND (0.2)	0.2	0.0304
					TLI	EPA 245.1	HGD	4/26/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.003
					TLI	EPA 300.0	CL	4/11/2008	Giawad Ghenniwa	mg/L	2080	100	14.0
					TLI	EPA 300.0	FL	4/11/2008	Giawad Ghenniwa	mg/L	2.08	0.50	0.025
					TLI	EPA 300.0	SO4	4/14/2008	Giawad Ghenniwa	mg/L	481	12.5	0.60
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	85.4	5.00	1.68
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	70.0	5.00	1.68
					TLI	SM2130B	TRB	4/11/2008	Gautam Savani	NTU	0.115	0.10	0.007
					TLI	SM2540C	TDS	4/16/2008	Tina Acquiat	mg/L	4410	250	50.4
					TLI	SM4500NH3D	NH3N	4/15/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	2.60	0.50	0.10
OW-02M	OW-02M-015	Barry Collom	1/22/2008	10:05:00 AM	TLI	EPA 120.1	SC	1/23/2008	Tina Acquiat	µmhos/cm	6670	2.00	0.153
					TLI	EPA 200.7	BD	1/23/2008	Michel Mendoza	mg/L	1.18	0.20	0.0048
					TLI	EPA 200.8	MOD	1/23/2008	Linda Saetern	µg/L	9.70	5.00	0.017
					TLI	EPA 200.8	CRTD	1/23/2008	Linda Saetern	µg/L	1.40	1.00	0.053
					TLI	EPA 218.6	CR6	1/22/2008	Jean Paul Gleeson	µg/L	0.97	0.20	0.03
					TLI	EPA 300.0	CL	1/23/2008	Giawad Ghenniwa	mg/L	2070	100	14.0
					TLI	EPA 300.0	FL	1/23/2008	Giawad Ghenniwa	mg/L	1.79	0.50	0.025
					TLI	EPA 300.0	SO4	1/23/2008	Giawad Ghenniwa	mg/L	481	12.5	0.60
					TLI	SM2130B	TRB	1/23/2008	Gautam Savani	NTU	0.221	0.10	0.007

TABLE 11

Board Order No. R7-2006-0060 WDR Monitoring Information for Groundwater Samples, First and Second Quarter 2008

PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-02M	OW-02M-015	Barry Collom	1/22/2008	10:05:00 AM	TLI	SM2540C	TDS	1/24/2008	Tina Acquiat	mg/L	4220	250	50.4
					EMXT	SM4500NO3-E	NO3NO2N	1/24/2008	Tina Hoang	mg/L	2.71	0.50	0.10
OW-02M	OW-02M-016	Barry Collom	4/10/2008	10:30:00 AM	TLI	EPA 120.1	SC	4/15/2008	Tina Acquiat	µmhos/cm	6990	2.00	0.153
					TLI	EPA 200.7	NAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	1220	200	8.10
					TLI	EPA 200.7	KD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	18.6	2.00	0.019
					TLI	EPA 200.7	CAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	165	20.0	0.47
					TLI	EPA 200.7	FETD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	MGD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	22.0	1.00	0.006
					TLI	EPA 200.7	FET	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	BD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	1.29	0.20	0.0048
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	1.00	1.00	0.0532
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	10.8	5.00	0.0168
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161

TABLE 11

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PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-02M	OW-02M-016	Barry Collom	4/10/2008	10:30:00 AM	TLI	EPA 218.6	CR6	4/15/2008	Jean Paul Gleeson	µg/L	ND (1.0)	1.0	0.152
					TLI	EPA 245.1	HGD	4/26/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.003
					TLI	EPA 300.0	CL	4/11/2008	Giawad Ghenniwa	mg/L	2060	100	14.0
					TLI	EPA 300.0	FL	4/11/2008	Giawad Ghenniwa	mg/L	1.85	0.50	0.025
					TLI	EPA 300.0	SO4	4/14/2008	Giawad Ghenniwa	mg/L	490	12.5	0.60
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	90.3	5.00	1.68
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	74.0	5.00	1.68
					TLI	SM2130B	TRB	4/11/2008	Gautam Savani	NTU	ND (0.1)	0.1	0.007
					TLI	SM2540C	TDS	4/16/2008	Tina Acquiat	mg/L	4190	250	50.4
					TLI	SM4500NH3D	NH3N	4/15/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	2.40	0.50	0.10
OW-02S	OW-02S-015	Barry Collom	1/22/2008	11:45:00 AM	TLI	EPA 120.1	SC	1/23/2008	Tina Acquiat	µmhos/cm	1670	2.00	0.153
					TLI	EPA 200.7	BD	1/23/2008	Michel Mendoza	mg/L	0.699	0.20	0.0048
					TLI	EPA 200.8	MOD	1/23/2008	Linda Saetern	µg/L	36.4	5.00	0.017
					TLI	EPA 200.8	CRTD	1/23/2008	Linda Saetern	µg/L	36.2	1.00	0.053
					TLI	EPA 218.6	CR6	1/23/2008	Jean Paul Gleeson	µg/L	31.0	1.00	0.14
					TLI	EPA 300.0	SO4	1/23/2008	Giawad Ghenniwa	mg/L	121	2.50	0.12
					TLI	EPA 300.0	FL	1/23/2008	Giawad Ghenniwa	mg/L	4.81	0.50	0.025
					TLI	EPA 300.0	CL	1/23/2008	Giawad Ghenniwa	mg/L	410	20.0	2.80
					TLI	SM2130B	TRB	1/23/2008	Gautam Savani	NTU	2.63	0.10	0.007
					TLI	SM2540C	TDS	1/24/2008	Tina Acquiat	mg/L	1000	50.0	10.1
					EMXT	SM4500NO3-E	NO3NO2N	1/24/2008	Tina Hoang	mg/L	3.71	0.50	0.10
OW-02S	OW-02S-016	Barry Collom	4/10/2008	11:15:00 AM	TLI	EPA 120.1	SC	4/15/2008	Tina Acquiat	µmhos/cm	1770	2.00	0.153
					TLI	EPA 200.7	FETD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	NAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	258	20.0	0.81
					TLI	EPA 200.7	MGD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	4.48	1.00	0.0006

TABLE 11

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PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-02S	OW-02S-016	Barry Collom	4/10/2008	11:15:00 AM	TLI	EPA 200.7	KD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	7.72	1.00	0.0019
					TLI	EPA 200.7	CAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	27.5	2.00	0.047
					TLI	EPA 200.7	BD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	0.944	0.20	0.0048
					TLI	EPA 200.7	FET	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	30.8	1.00	0.0532
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	6.20	5.00	0.0124
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	CUD	4/24/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	39.3	5.00	0.0168
					TLI	EPA 218.6	CR6	4/15/2008	Jean Paul Gleeson	µg/L	31.2	1.05	0.152
					TLI	EPA 245.1	HGD	4/26/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.003
					TLI	EPA 300.0	CL	4/11/2008	Giawad Ghenniwa	mg/L	417	20.0	2.80
					TLI	EPA 300.0	SO4	4/14/2008	Giawad Ghenniwa	mg/L	120	5.00	0.24
					TLI	EPA 300.0	FL	4/11/2008	Giawad Ghenniwa	mg/L	4.86	0.50	0.025
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	122	5.00	1.68

TABLE 11

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PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-02S	OW-02S-016	Barry Collom	4/10/2008	11:15:00 AM	TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	100	5.00	1.68
					TLI	SM2130B	TRB	4/11/2008	Gautam Savani	NTU	0.481	0.10	0.007
					TLI	SM2540C	TDS	4/16/2008	Tina Acquiat	mg/L	1010	50.0	10.1
					TLI	SM4500NH3D	NH3N	4/15/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	4.04	0.50	0.10
OW-02S	OW-91-016	Barry Collom	4/10/2008	11:25:00 AM	TLI	EPA 120.1	SC	4/15/2008	Tina Acquiat	µmhos/cm	1740	2.00	0.153
					TLI	EPA 200.7	CAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	30.9	2.00	0.047
					TLI	EPA 200.7	FET	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	FETD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	BD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	0.91	0.20	0.0048
					TLI	EPA 200.7	MGD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	4.52	1.00	0.0006
					TLI	EPA 200.7	KD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	7.75	1.00	0.0019
					TLI	EPA 200.7	NAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	314	20.0	0.81
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	39.9	5.00	0.0168
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	6.27	5.00	0.0124
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383

TABLE 11

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PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-02S	OW-91-016	Barry Collom	4/10/2008	11:25:00 AM	TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	31.1	1.00	0.0532
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 218.6	CR6	4/15/2008	Jean Paul Gleeson	µg/L	31.8	1.05	0.152
					TLI	EPA 245.1	HGD	4/26/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.003
					TLI	EPA 300.0	SO4	4/14/2008	Giawad Ghenniwa	mg/L	123	5.00	0.24
					TLI	EPA 300.0	FL	4/11/2008	Giawad Ghenniwa	mg/L	5.04	0.50	0.025
					TLI	EPA 300.0	CL	4/11/2008	Giawad Ghenniwa	mg/L	418	20.0	2.80
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	120	5.00	1.68
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	98.0	5.00	1.68
					TLI	SM2130B	TRB	4/11/2008	Gautam Savani	NTU	0.473	0.10	0.007
					TLI	SM2540C	TDS	4/16/2008	Tina Acquiat	mg/L	1010	50.0	10.1
					TLI	SM4500NH3D	NH3N	4/15/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	3.53	0.50	0.10
OW-05D	OW-05D-015	Barry Collom	1/23/2008	10:40:00 AM	TLI	EPA 120.1	SC	1/24/2008	Tina Acquiat	µmhos/cm	6740	2.00	0.153
					TLI	EPA 200.7	BD	1/30/2008	Mark Kotani	mg/L	1.14	0.20	0.0048
					TLI	EPA 200.8	CRTD	1/24/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.053
					TLI	EPA 200.8	MOD	1/24/2008	Linda Saetern	µg/L	11.9	5.00	0.017
					TLI	EPA 218.6	CR6	1/24/2008	Jean Paul Gleeson	µg/L	ND (1.0)	1.0	0.14
					TLI	EPA 300.0	CL	1/24/2008	Giawad Ghenniwa	mg/L	2060	100	14.0
					TLI	EPA 300.0	FL	1/24/2008	Giawad Ghenniwa	mg/L	2.31	0.50	0.025
					TLI	EPA 300.0	SO4	1/24/2008	Giawad Ghenniwa	mg/L	463	12.5	0.60
					TLI	SM2130B	TRB	1/24/2008	Gautam Savani	NTU	ND (0.1)	0.1	0.007
					TLI	SM2540C	TDS	1/24/2008	Tina Acquiat	mg/L	4090	250	50.4
					EMXT	SM4500NO3-E	NO3NO2N	1/31/2008	Tina Hoang	mg/L	3.29	0.50	0.10

TABLE 11

Board Order No. R7-2006-0060 WDR Monitoring Information for Groundwater Samples, First and Second Quarter 2008

PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-05D	OW-05D-016	Barry Collom	4/10/2008	12:25:00 PM	TLI	EPA 120.1	SC	4/15/2008	Tina Acquiat	µmhos/cm	7050	2.00	0.153
					TLI	EPA 200.7	CAD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	215	20.0	0.47
					TLI	EPA 200.7	KD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	20.2	2.00	0.019
					TLI	EPA 200.7	MGD	4/29/2008	Hao Ton/Michel Mendoza	mg/L	28.9	1.00	0.006
					TLI	EPA 200.7	FET	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	BD	5/14/2008	Hao Ton/Michel Mendoza	mg/L	1.08	0.20	0.0048
					TLI	EPA 200.7	FETD	5/14/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	NAD	5/13/2008	Hao Ton/Michel Mendoza	mg/L	1490	200	8.10
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0532
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	14.2	5.00	0.0168
					TLI	EPA 200.8	CUD	4/24/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	ASD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 218.6	CR6	4/15/2008	Jean Paul Gleeson	µg/L	ND (1.0)	1.0	0.152
					TLI	EPA 245.1	HGD	4/26/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.003

TABLE 11

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PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-05D	OW-05D-016	Barry Collom	4/10/2008	12:25:00 PM	TLI	EPA 300.0	SO4	4/14/2008	Giawad Ghenniwa	mg/L	488	12.5	0.60
					TLI	EPA 300.0	CL	4/14/2008	Giawad Ghenniwa	mg/L	2100	100	14.0
					TLI	EPA 300.0	FL	4/11/2008	Giawad Ghenniwa	mg/L	2.27	0.50	0.025
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	81.7	5.00	1.68
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	67.0	5.00	1.68
					TLI	SM2130B	TRB	4/11/2008	Gautam Savani	NTU	0.251	0.10	0.007
					TLI	SM2540C	TDS	4/16/2008	Tina Acquiat	mg/L	4050	250	50.4
					TLI	SM4500NH3D	NH3N	4/15/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	2.61	0.50	0.10
OW-05M	OW-05M-015	Barry Collom	1/22/2008	1:45:00 PM	TLI	EPA 120.1	SC	1/23/2008	Tina Acquiat	µmhos/cm	6750	2.00	0.153
					TLI	EPA 200.7	BD	1/23/2008	Michel Mendoza	mg/L	1.18	0.20	0.0048
					TLI	EPA 200.8	MOD	1/23/2008	Linda Saetern	µg/L	11.2	5.00	0.017
					TLI	EPA 200.8	CRTD	1/23/2008	Linda Saetern	µg/L	1.20	1.00	0.053
					TLI	EPA 218.6	CR6	1/22/2008	Jean Paul Gleeson	µg/L	0.52	0.20	0.03
					TLI	EPA 300.0	FL	1/23/2008	Giawad Ghenniwa	mg/L	1.99	0.50	0.025
					TLI	EPA 300.0	CL	1/23/2008	Giawad Ghenniwa	mg/L	2060	100	14.0
					TLI	EPA 300.0	SO4	1/23/2008	Giawad Ghenniwa	mg/L	469	12.5	0.60
					TLI	SM2130B	TRB	1/23/2008	Gautam Savani	NTU	0.187	0.10	0.007
					TLI	SM2540C	TDS	1/24/2008	Tina Acquiat	mg/L	4200	250	50.4
OW-05M	OW-05M-016	Barry Collom	4/10/2008	1:21:00 PM	EMXT	SM4500NO3-E	NO3NO2N	1/24/2008	Tina Hoang	mg/L	2.69	0.50	0.10
					TLI	EPA 120.1	SC	4/15/2008	Tina Acquiat	µmhos/cm	7120	2.00	0.153
					TLI	EPA 200.7	FET	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	NAD	5/1/2008	Hao Ton/Michel Mendoza	mg/L	1390	200	8.10
					TLI	EPA 200.7	MGD	5/1/2008	Hao Ton/Michel Mendoza	mg/L	13.1	1.00	0.006
					TLI	EPA 200.7	FETD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	CAD	5/1/2008	Hao Ton/Michel Mendoza	mg/L	176	20.0	0.47

TABLE 11

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PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-05M	OW-05M-016	Barry Collom	4/10/2008	1:21:00 PM	TLI	EPA 200.7	BD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	1.02	0.20	0.0048
					TLI	EPA 200.7	KD	5/1/2008	Hao Ton/Michel Mendoza	mg/L	16.1	2.00	0.019
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	12.2	5.00	0.0168
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0532
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 218.6	CR6	4/15/2008	Jean Paul Gleeson	µg/L	ND (1.0)	1.0	0.152
					TLI	EPA 245.1	HGD	4/26/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.003
					TLI	EPA 300.0	SO4	4/14/2008	Giawad Ghenniwa	mg/L	485	12.5	0.60
					TLI	EPA 300.0	FL	4/11/2008	Giawad Ghenniwa	mg/L	2.12	0.50	0.025
					TLI	EPA 300.0	CL	4/14/2008	Giawad Ghenniwa	mg/L	2080	100	14.0
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	70.0	5.00	1.68
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	85.4	5.00	1.68

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PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-05M	OW-05M-016	Barry Collom	4/10/2008	1:21:00 PM	TLI	SM2130B	TRB	4/11/2008	Gautam Savani	NTU	0.116	0.10	0.007
					TLI	SM2540C	TDS	4/16/2008	Tina Acquiat	mg/L	4440	250	50.4
					TLI	SM4500NH3D	NH3N	4/15/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	2.62	0.50	0.10
OW-05S	OW-05S-015	Barry Collom	1/22/2008	12:45:00 PM	TLI	EPA 120.1	SC	1/23/2008	Tina Acquiat	µmhos/cm	1600	2.00	0.153
					TLI	EPA 200.7	BD	1/23/2008	Michel Mendoza	mg/L	0.379	0.20	0.0048
					TLI	EPA 200.8	MOD	1/23/2008	Linda Saetern	µg/L	21.1	5.00	0.017
					TLI	EPA 200.8	CRTD	1/23/2008	Linda Saetern	µg/L	25.0	1.00	0.053
					TLI	EPA 218.6	CR6	1/23/2008	Jean Paul Gleeson	µg/L	22.1	1.00	0.14
					TLI	EPA 300.0	FL	1/23/2008	Giawad Ghenniwa	mg/L	2.54	0.50	0.025
					TLI	EPA 300.0	CL	1/23/2008	Giawad Ghenniwa	mg/L	412	40.0	5.60
					TLI	EPA 300.0	SO4	1/23/2008	Giawad Ghenniwa	mg/L	106	5.00	0.24
					TLI	SM2130B	TRB	1/23/2008	Gautam Savani	NTU	2.61	0.10	0.007
					TLI	SM2540C	TDS	1/24/2008	Tina Acquiat	mg/L	900	50.0	10.1
					EMXT	SM4500NO3-E	NO3NO2N	1/24/2008	Tina Hoang	mg/L	3.76	0.50	0.10
OW-05S	OW-05S-016	Barry Collom	4/10/2008	1:59:00 PM	TLI	EPA 120.1	SC	4/15/2008	Tina Acquiat	µmhos/cm	1800	2.00	0.153
					TLI	EPA 200.7	FET	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	NAD	5/1/2008	Hao Ton/Michel Mendoza	mg/L	312	20.0	0.81
					TLI	EPA 200.7	KD	5/1/2008	Hao Ton/Michel Mendoza	mg/L	8.03	2.00	0.019
					TLI	EPA 200.7	FETD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	ND (0.02)	0.02	0.0024
					TLI	EPA 200.7	CAD	5/1/2008	Hao Ton/Michel Mendoza	mg/L	64.3	2.00	0.047
					TLI	EPA 200.7	BD	5/12/2008	Hao Ton/Michel Mendoza	mg/L	0.496	0.20	0.0048
					TLI	EPA 200.7	MGD	5/1/2008	Hao Ton/Michel Mendoza	mg/L	10.9	1.00	0.006
					TLI	EPA 200.8	SBD	4/22/2008	Linda Saetern	µg/L	ND (3.0)	3.0	0.0225
					TLI	EPA 200.8	ZND	4/24/2008	Linda Saetern	µg/L	ND (20)	20	0.115
					TLI	EPA 200.8	VD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0124
					TLI	EPA 200.8	SED	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0161

TABLE 11

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PG&E Topock Compliance Monitoring Program

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Parameter	Analysis Date	Lab Technician	Units	Result	RL	MDL
OW-05S	OW-05S-016	Barry Collom	4/10/2008	1:59:00 PM	TLI	EPA 200.8	MOD	4/22/2008	Linda Saetern	µg/L	24.7	5.00	0.0168
					TLI	EPA 200.8	ALD	4/24/2008	Linda Saetern	µg/L	ND (50)	50	0.256
					TLI	EPA 200.8	ASD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.015
					TLI	EPA 200.8	BAD	4/22/2008	Linda Saetern	µg/L	ND (300)	300	0.0162
					TLI	EPA 200.8	BED	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.0383
					TLI	EPA 200.8	CDD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0115
					TLI	EPA 200.8	COBD	4/22/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0252
					TLI	EPA 200.8	CRTD	4/22/2008	Linda Saetern	µg/L	22.8	1.00	0.0532
					TLI	EPA 200.8	TLD	4/22/2008	Linda Saetern	µg/L	ND (1.0)	1.0	0.018
					TLI	EPA 200.8	CUD	4/22/2008	Linda Saetern	µg/L	ND (10)	10	0.13
					TLI	EPA 200.8	MND	4/22/2008	Linda Saetern	mg/L	ND (0.02)	0.02	0.0000161
					TLI	EPA 200.8	PBD	4/22/2008	Linda Saetern	µg/L	ND (2.0)	2.0	0.0182
					TLI	EPA 200.8	NID	4/22/2008	Linda Saetern	µg/L	ND (20)	20	0.127
					TLI	EPA 200.8	AGD	4/24/2008	Linda Saetern	µg/L	ND (5.0)	5.0	0.0211
					TLI	EPA 218.6	CR6	4/15/2008	Jean Paul Gleeson	µg/L	23.5	1.05	0.152
					TLI	EPA 245.1	HGD	4/26/2008	Michel Mendoza	µg/L	ND (0.2)	0.2	0.003
					TLI	EPA 300.0	FL	4/11/2008	Giawad Ghenniwa	mg/L	2.55	0.50	0.025
					TLI	EPA 300.0	SO4	4/14/2008	Giawad Ghenniwa	mg/L	308	12.5	0.60
					TLI	EPA 300.0	CL	4/14/2008	Giawad Ghenniwa	mg/L	458	20.0	2.80
					TLI	SM 2320B	ALKB	4/11/2008	Iordan Stavrev	mg/L CO3	100	5.00	1.68
					TLI	SM 2320B	ALKC	4/11/2008	Iordan Stavrev	mg/L	ND (5.0)	5.0	1.68
					TLI	SM 2320B	ALKT	4/11/2008	Iordan Stavrev	mg/L	82.0	5.00	1.68
					TLI	SM2130B	TRB	4/11/2008	Gautam Savani	NTU	1.44	0.10	0.007
					TLI	SM2540C	TDS	4/16/2008	Tina Acquiat	mg/L	1020	50.0	10.1
					TLI	SM4500NH3D	NH3N	4/15/2008	Iordan Stavrev	mg/L	ND (0.5)	0.5	0.009
					EMXT	SM4500NO3-E	NO3NO2N	4/16/2008	Sue Elena Robles	mg/L	3.23	0.50	0.10

TABLE 11

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PG&E Topock Compliance Monitoring Program

NOTES:

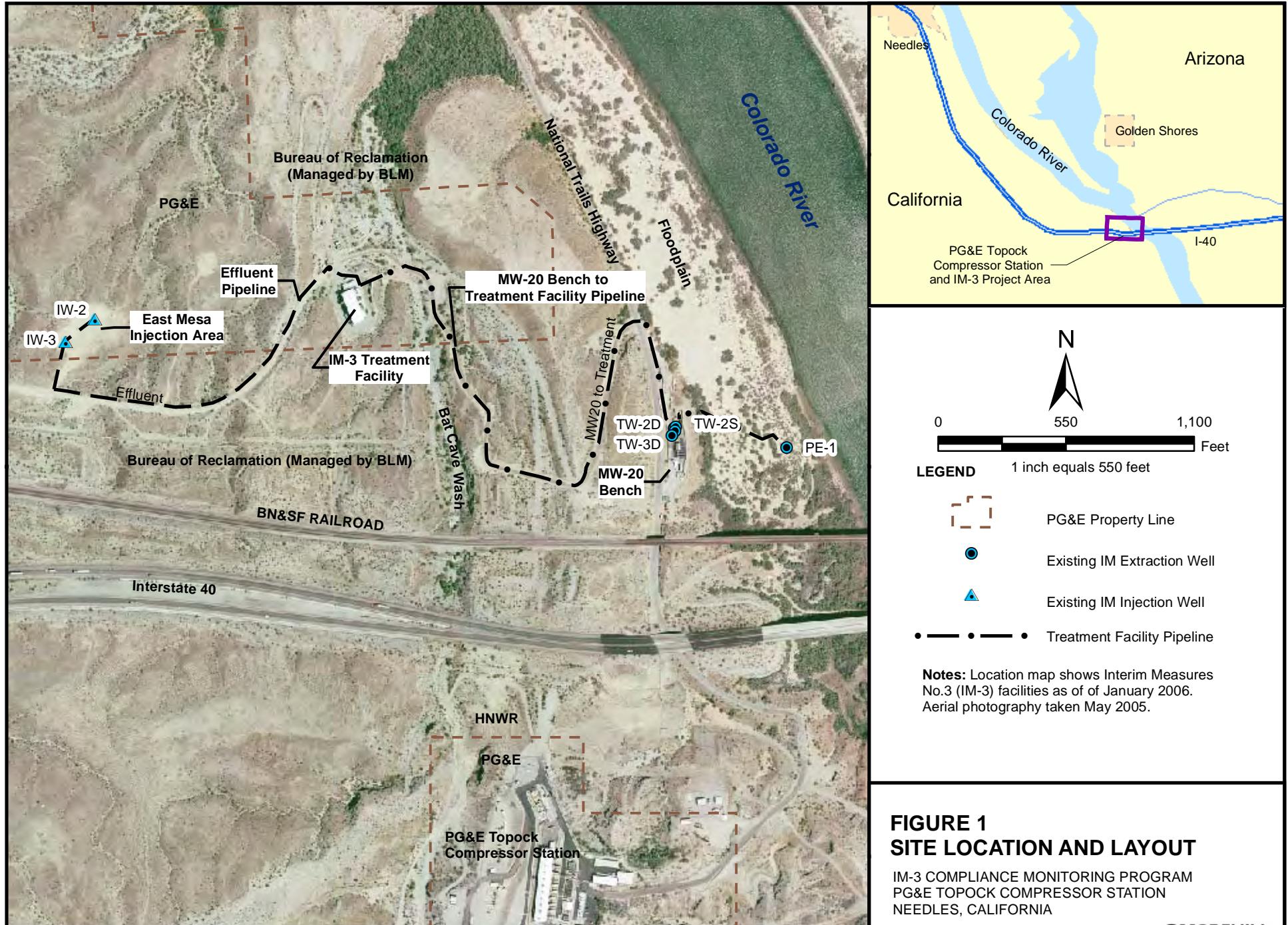
MDL	method detection limit corrected for sample dilution
RL	reporting limit
ND	parameter not detected at the listed reporting limit
J	concentration or RL estimated by laboratory or data validation
µmhos/cm	micro-mhos per centimeter
NTU	Nephelometric Turbidity Unit
mg/L	milligrams per liter
µg/L	micrograms per liter

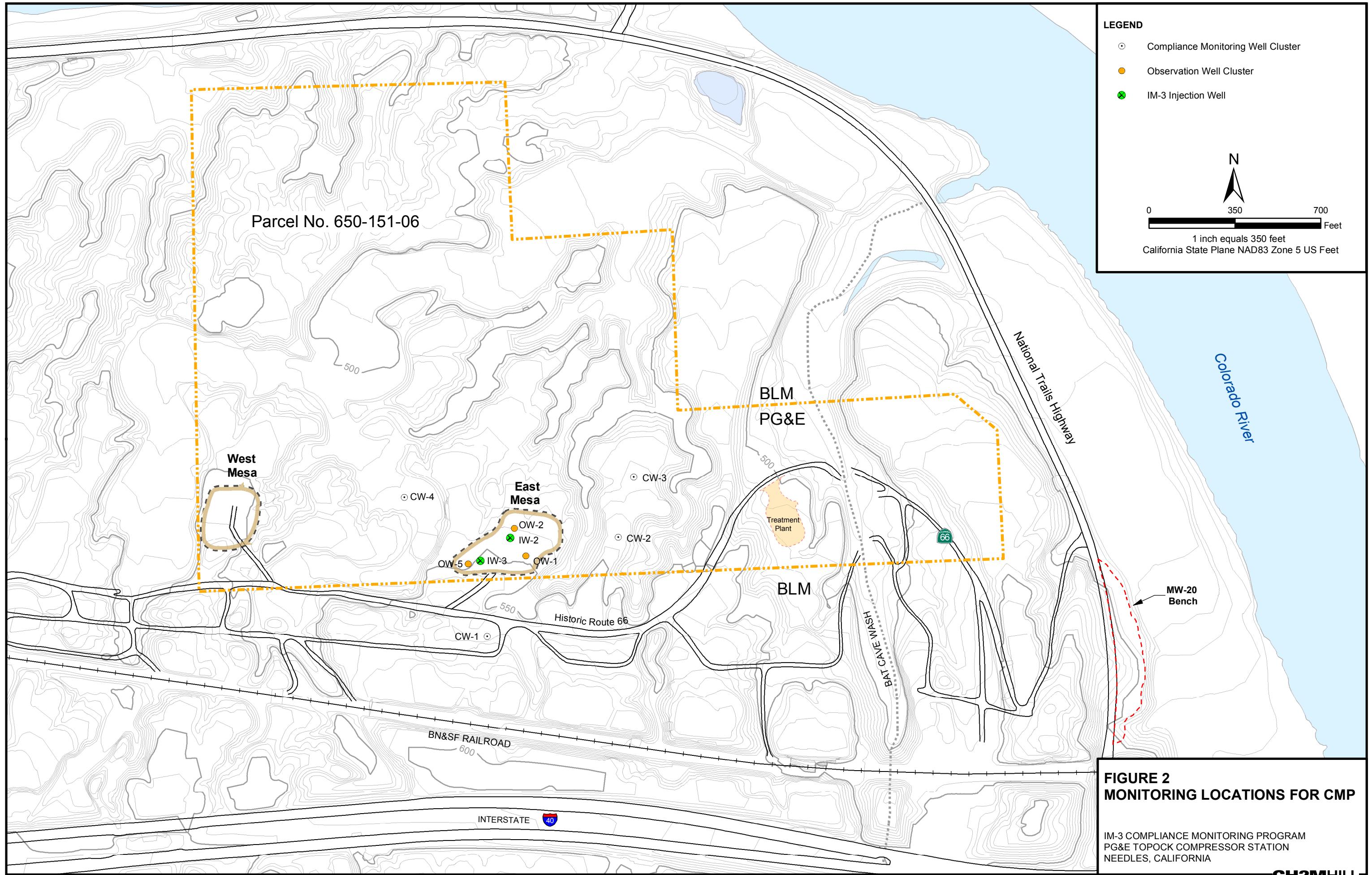
TLI	Truesdail Laboratories, Inc.
EMXT	Emax Laboratories
WDR	Waste Discharge Requirements

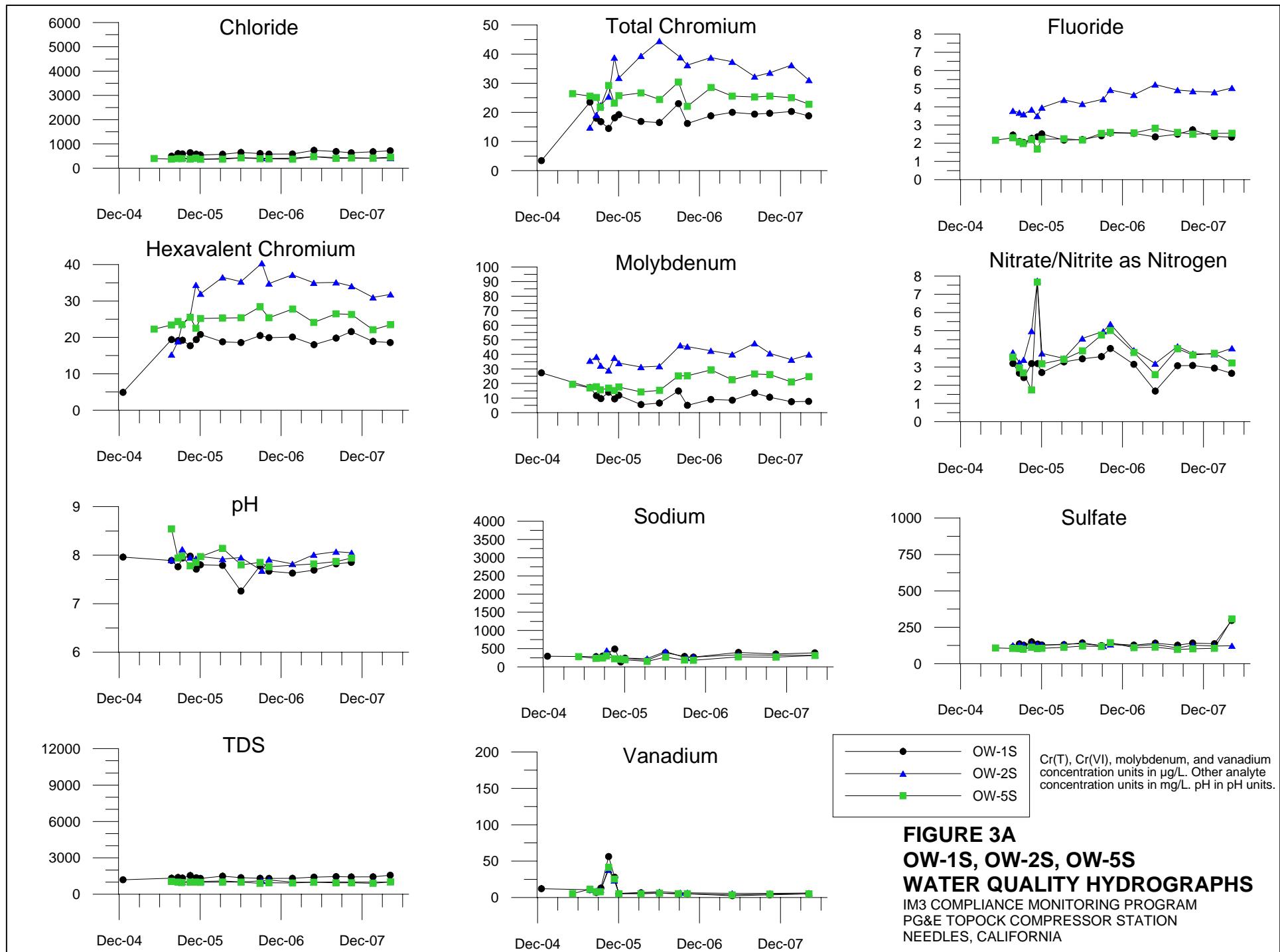
SC	specific conductance	KD	potassium, dissolved
PH	pH	CAD	calcium, dissolved
TDS	total dissolved solids	MOD	molybdenum, dissolved
TRB	turbidity	NID	nickel, dissolved
CRTD	chromium, dissolved	PBD	lead, dissolved
CR6	hexavalent chromium	HGD	mercury, dissolved
CL	chloride	SED	selenium, dissolved
FL	fluoride	TLD	thallium, dissolved
ALD	aluminum, dissolved	COBD	cobalt, dissolved
BD	boron, dissolved	CDD	cadmium, dissolved
FED	iron, dissolved	BED	beryllium, dissolved
MND	manganese, dissolved	AGD	silver, dissolved
ZND	zinc, dissolved	VD	vanadium, dissolved
SBD	antimony, dissolved	NO3NO2N	nitrate/nitrite (as N)
ASD	arsenic, dissolved	NH3N	ammonia (as N)
BAD	barium, dissolved	SO4	sulfate
CUD	copper, dissolved	SBD	antimony, dissolved
MGD	magnesium, dissolved	ALKT	alkalinity, total as CACO3
NAD	sodium, dissolved		

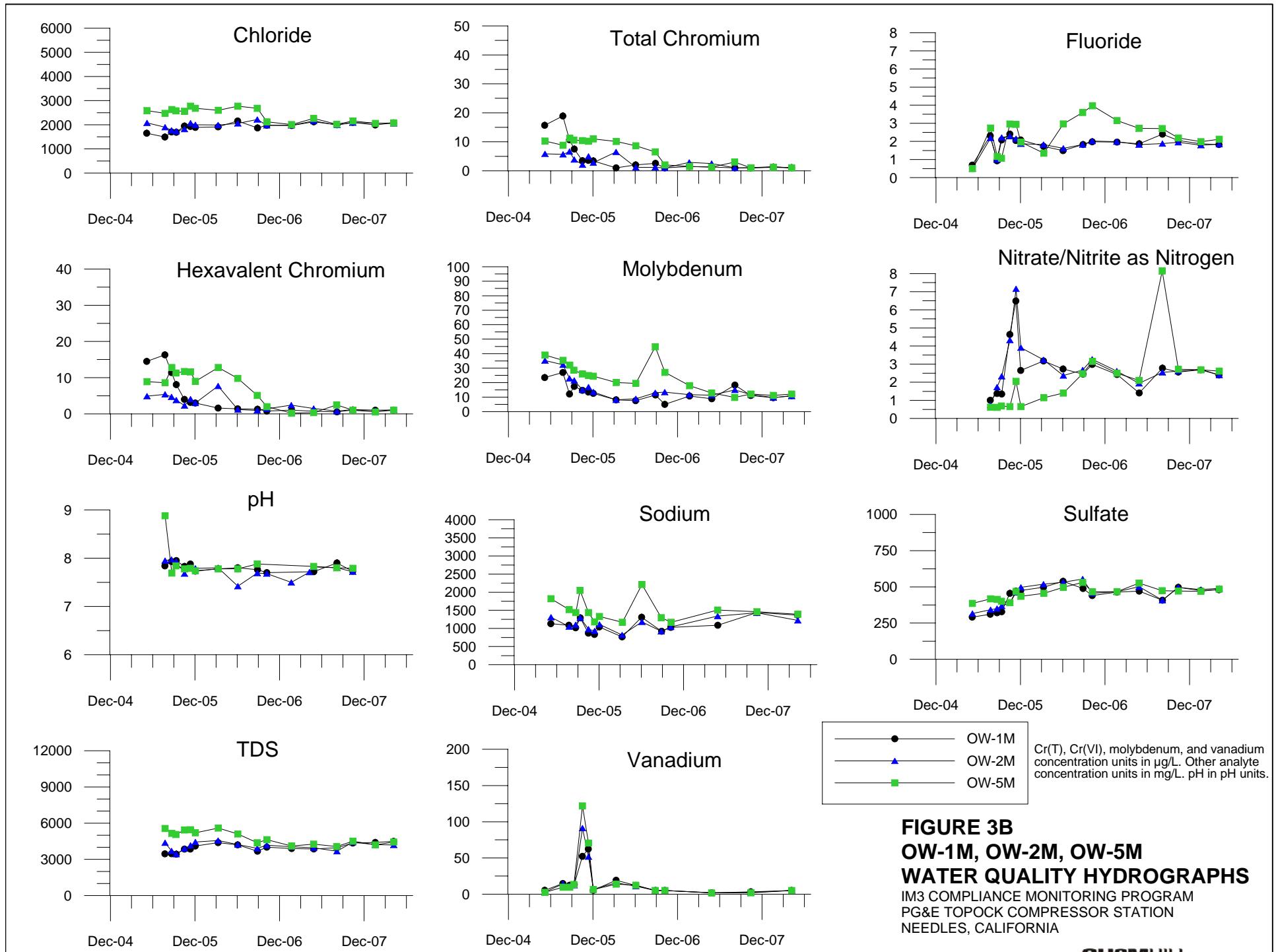
NO2NO3NC nitrate/nitrite as nitrogen was calculated as the sum of nitrate as nitrogen and nitrite as nitrogen.

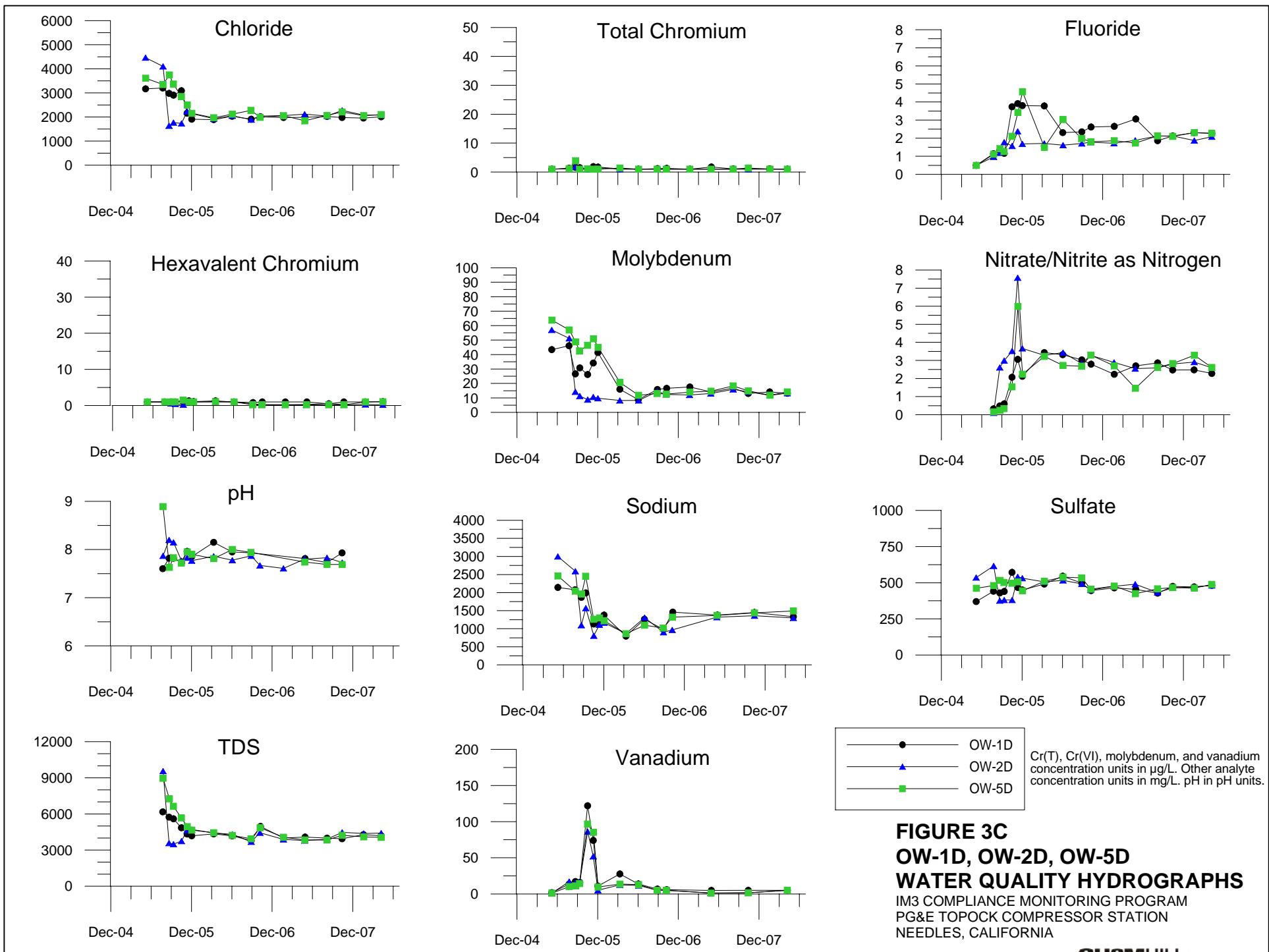
Figures

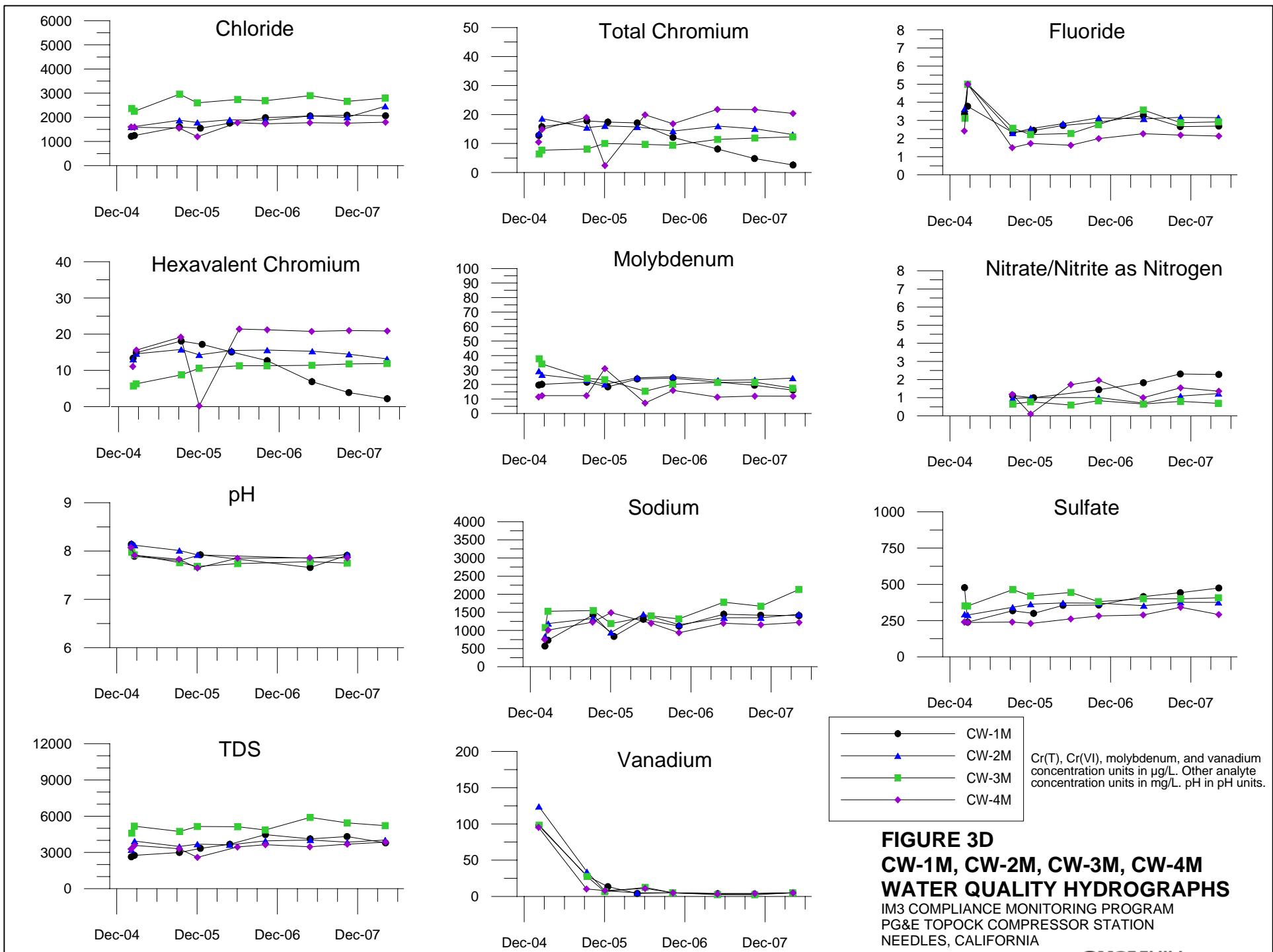


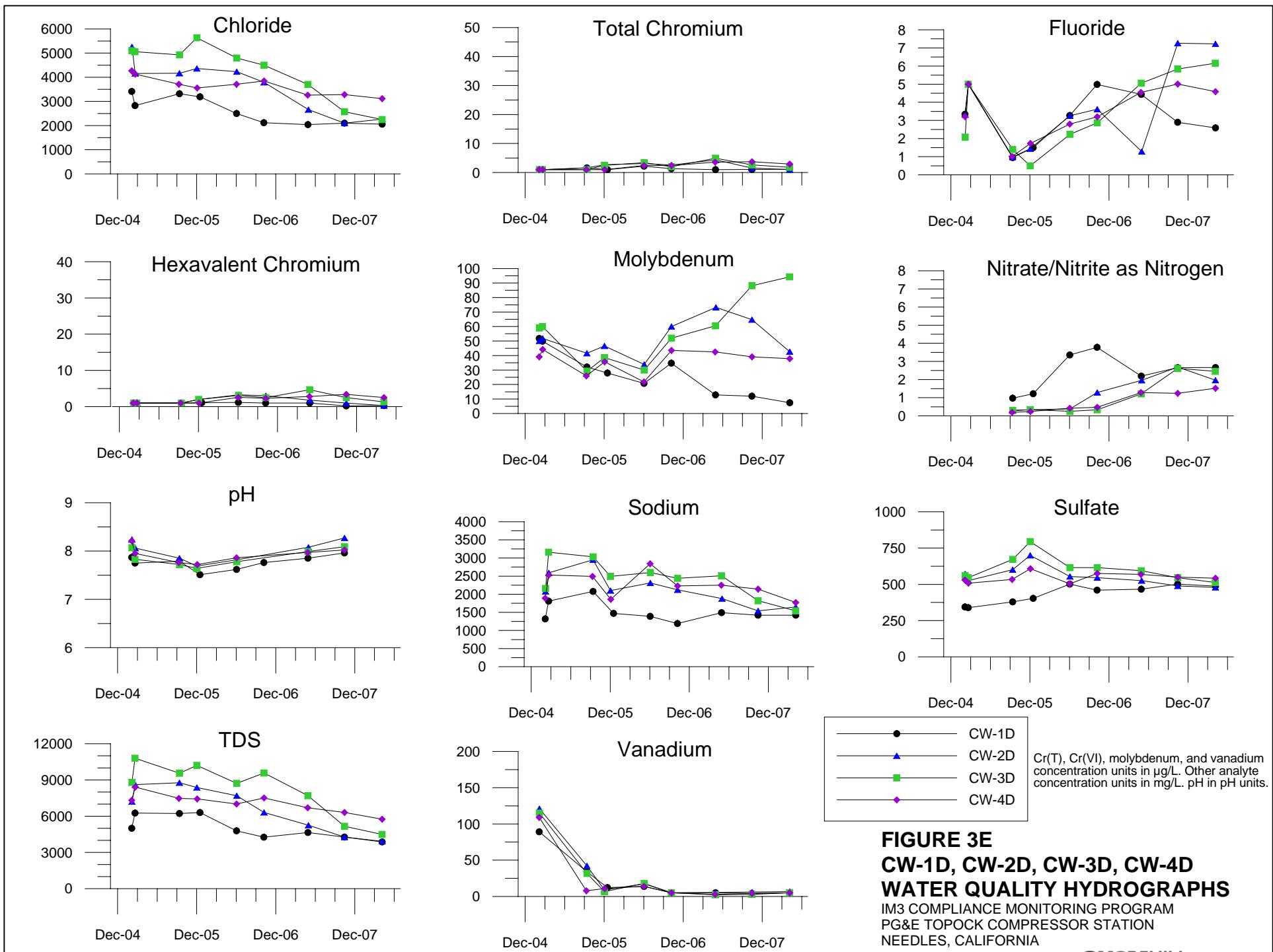


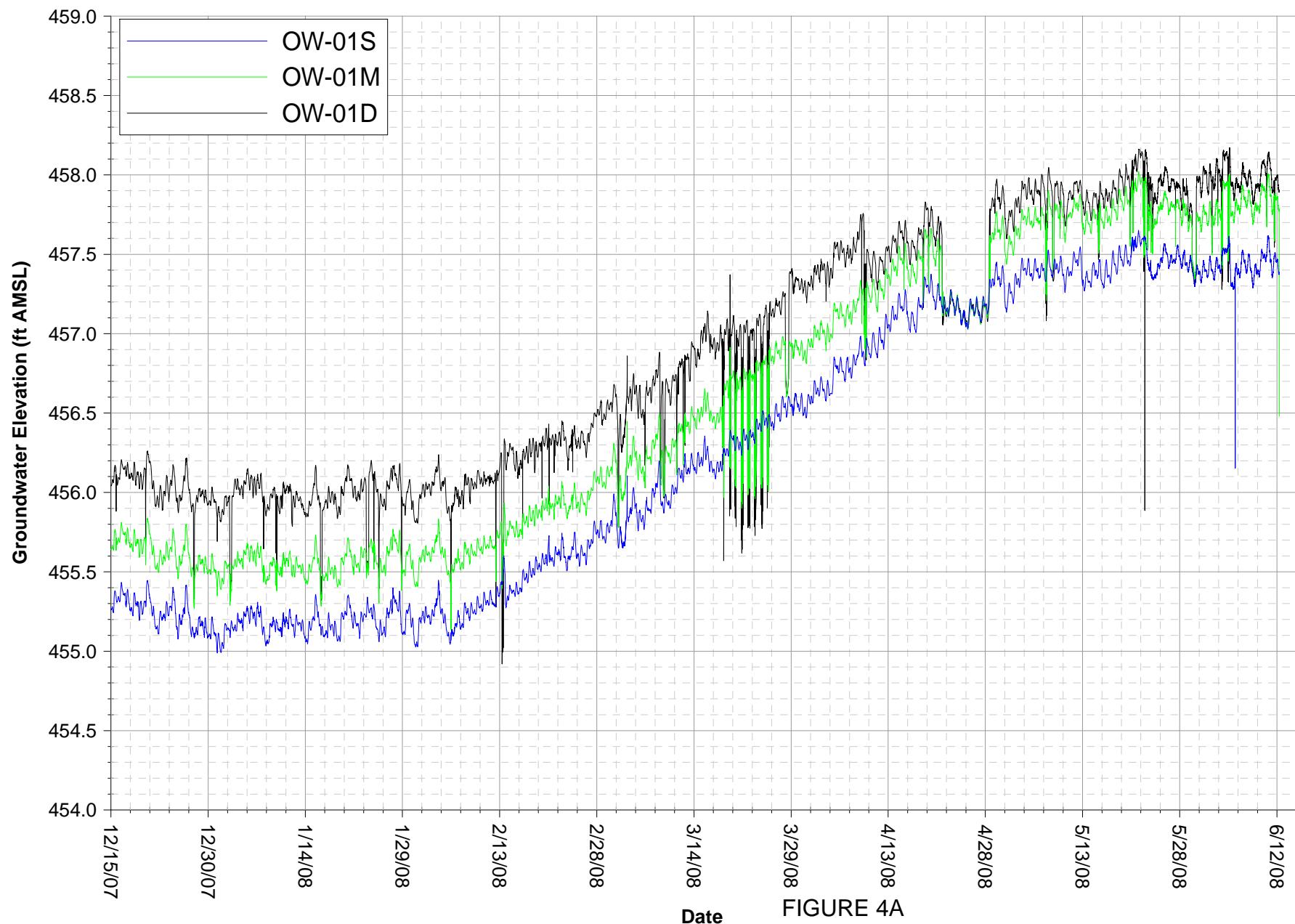






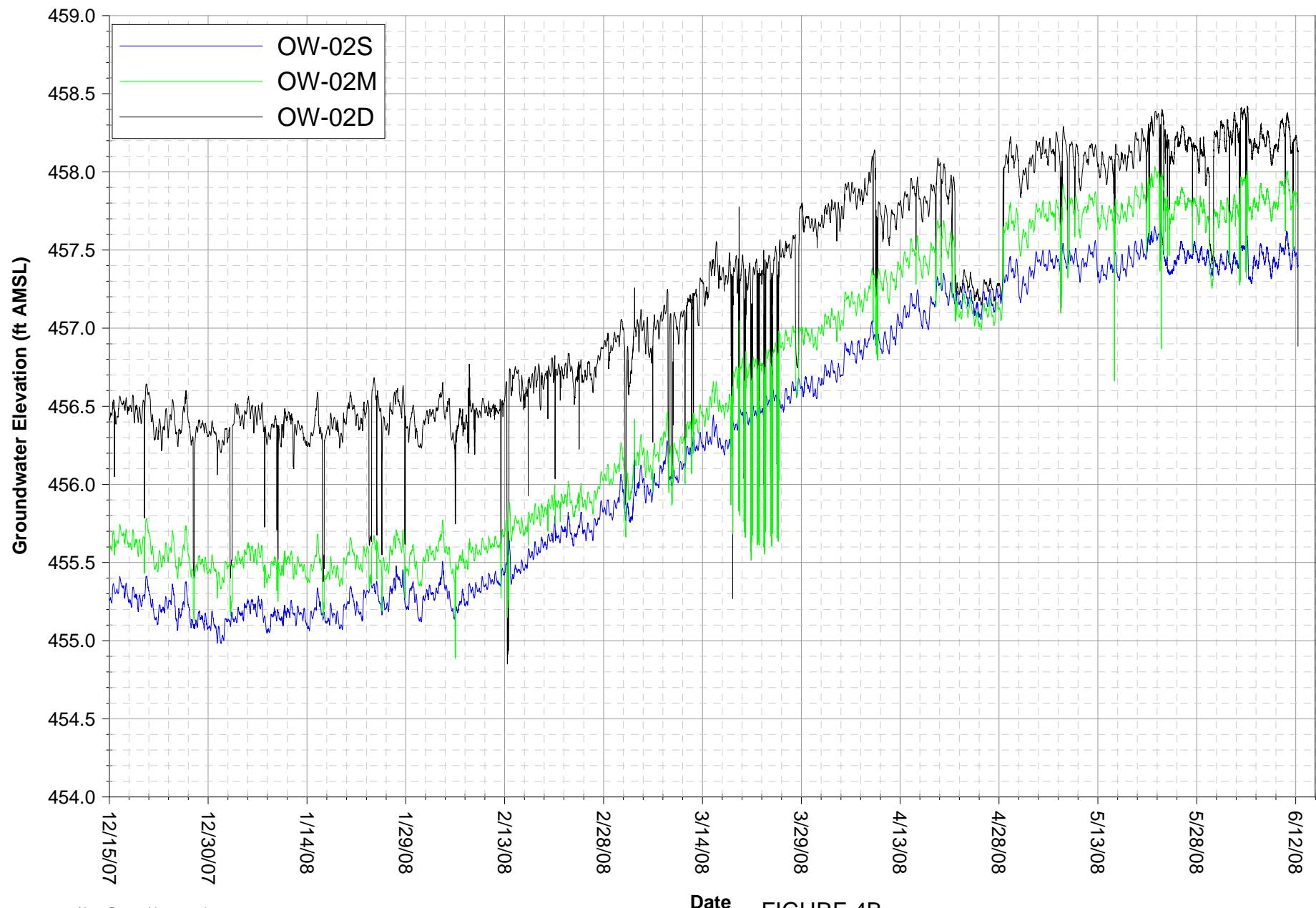






Note: Data subject to review.
 IM-3 system offline 4/21 - 4/28/08 due to planned annual maintenance event.
 IM-3 extraction system intermittently offline 3/17 - 3/26/08 due to well rehabilitation at IW-2.
 Backwashing occurred at IW-3 on 4/9, 5/7, 5/15, 5/22, 6/3, and 6/4/2008.

FIGURE 4A
OW-01 GROUNDWATER ELEVATION HYDROGRAPHS
 IM-3 COMPLIANCE MONITORING PROGRAM
 PG & E TOPOCK COMPRESSOR STATION
 NEEDLES, CALIFORNIA

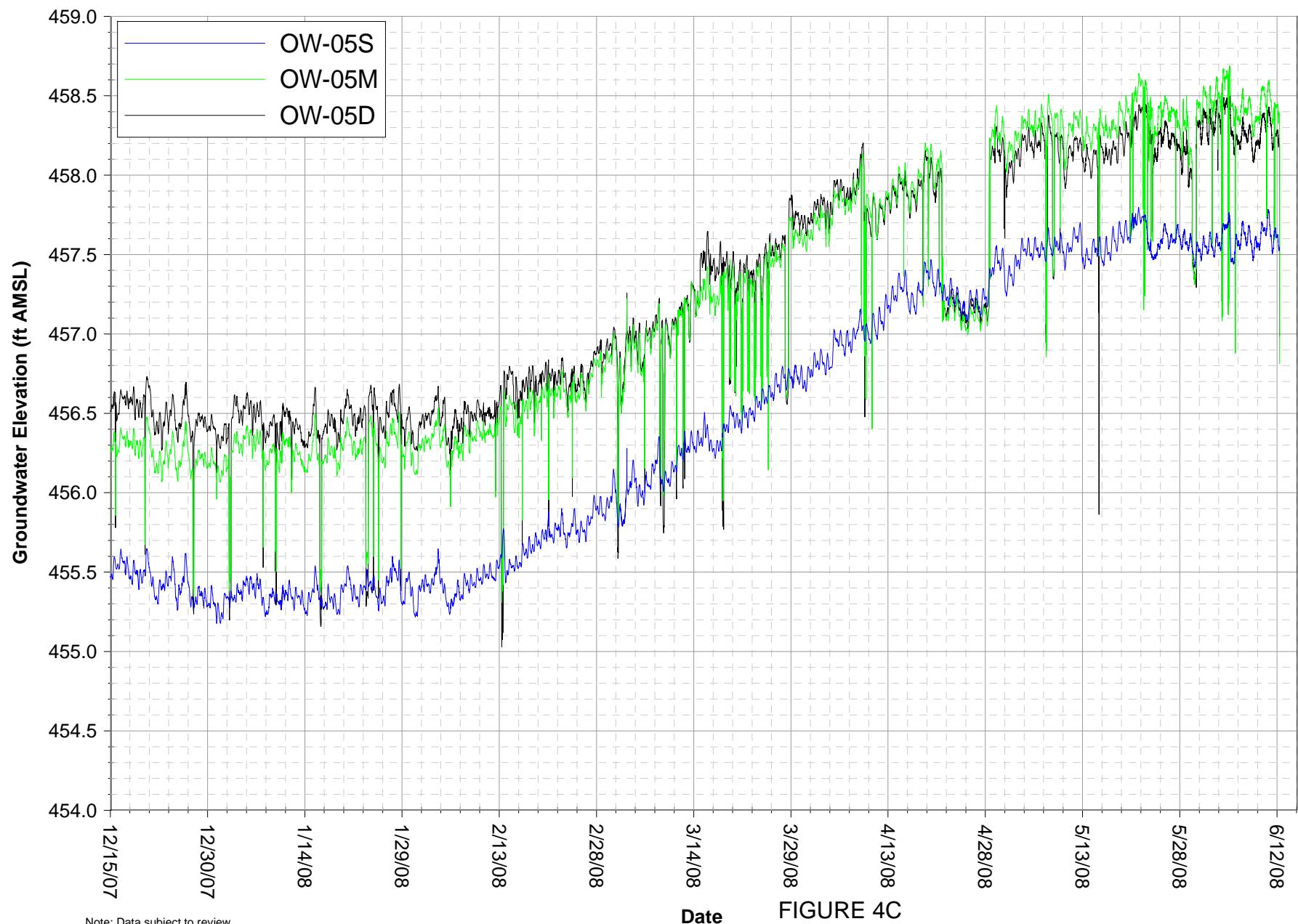


Note: Data subject to review.

IM-3 system offline 4/21 - 4/28/08 due to planned annual maintenance event.

IM-3 extraction system intermittently offline 3/17 - 3/26/08 due to well rehabilitation at IW-2.
Backwashing occurred at IW-3 on 4/9, 5/7, 5/15, 5/22, 6/3, and 6/4/2008.

FIGURE 4B
OW-02 GROUNDWATER ELEVATION HYDROGRAPHS
 IM-3 COMPLIANCE MONITORING PROGRAM
 PG & E TOPOCK COMPRESSOR STATION
 NEEDLES, CALIFORNIA



Note: Data subject to review.

IM-3 system offline 4/21 - 4/28/08 due to planned annual maintenance event.
IM-3 extraction system intermittently offline 3/17 - 3/26/08 due to well rehabilitation at IW-2.
Backwashing occurred at IW-3 on 4/9, 5/7, 5/15, 5/22, 6/3, and 6/4/2008.

FIGURE 4C
OW-05 GROUNDWATER ELEVATION HYDROGRAPHS
IM-3 COMPLIANCE MONITORING PROGRAM
PG & E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

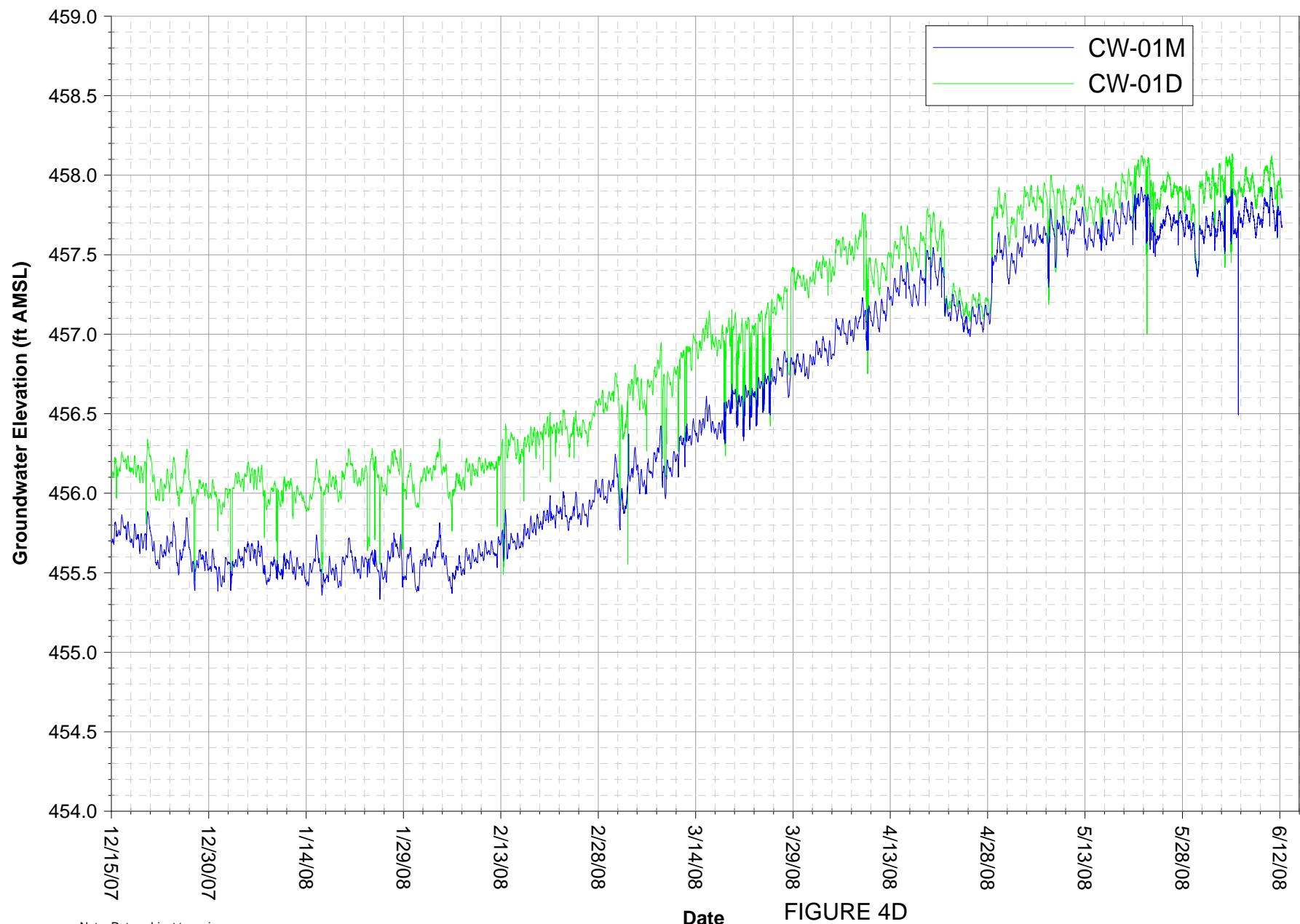
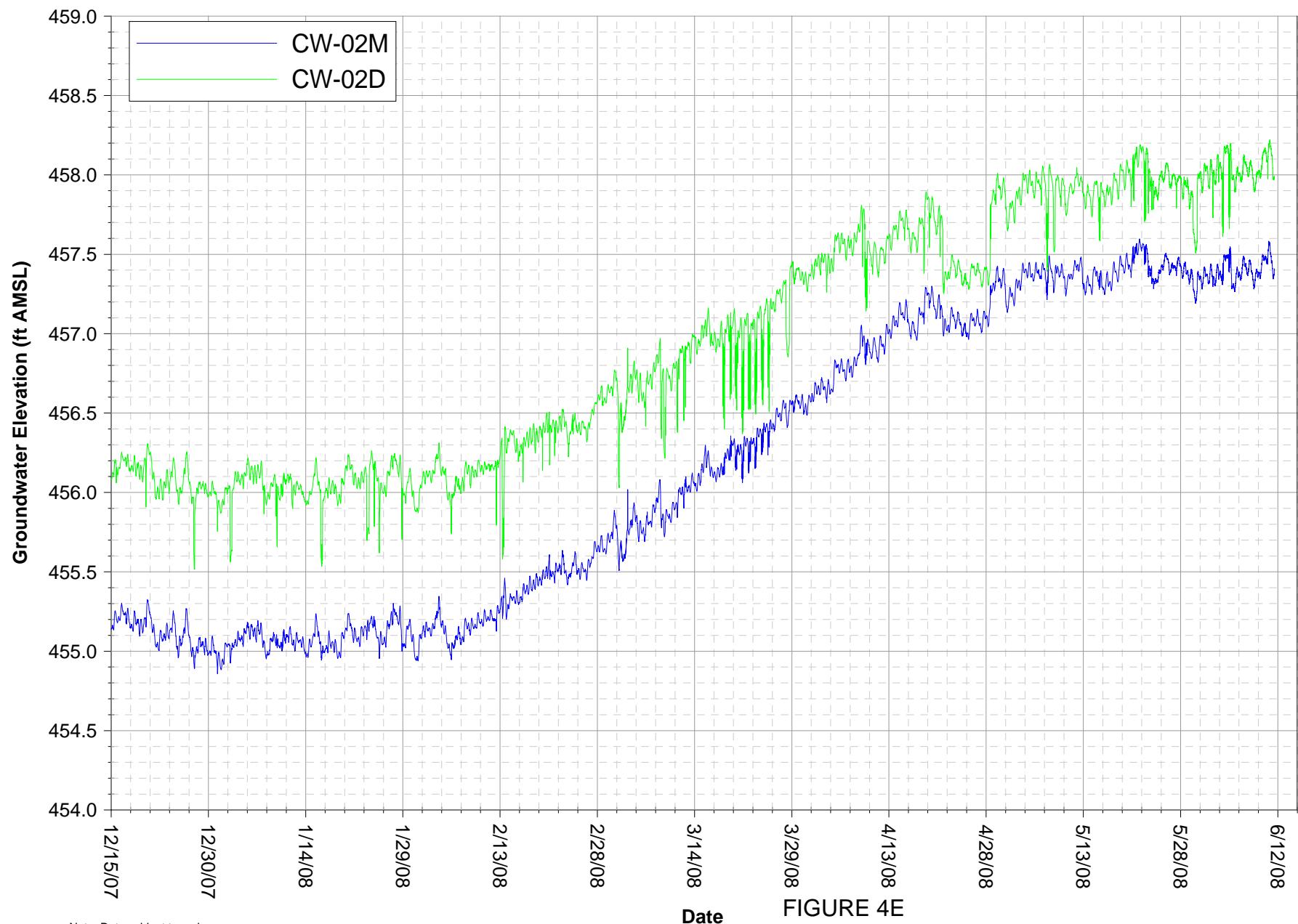
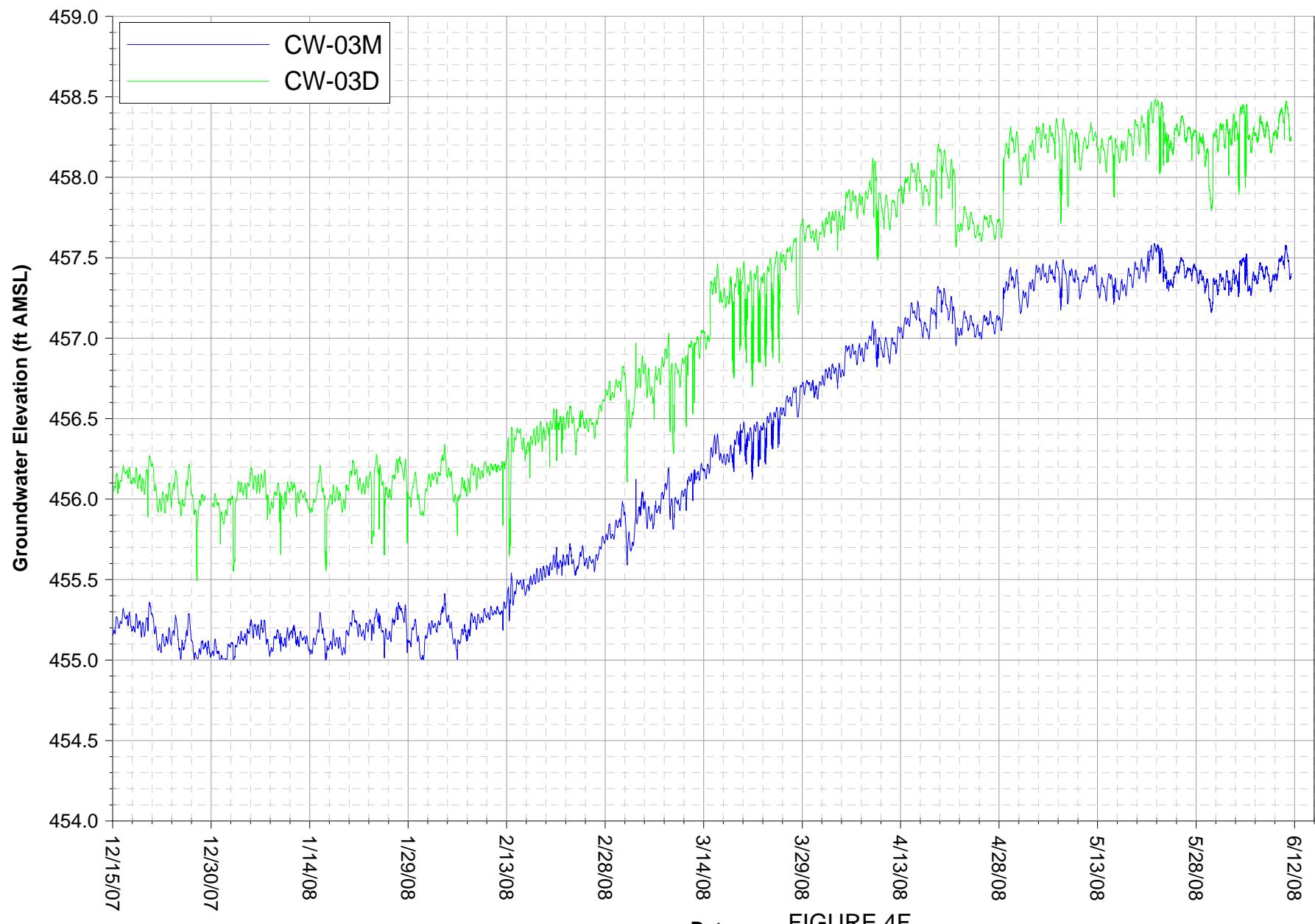


FIGURE 4D
CW-01 GROUNDWATER ELEVATION HYDROGRAPHS
 IM-3 COMPLIANCE MONITORING PROGRAM
 PG & E TOPOCK COMPRESSOR STATION
 NEEDLES, CALIFORNIA



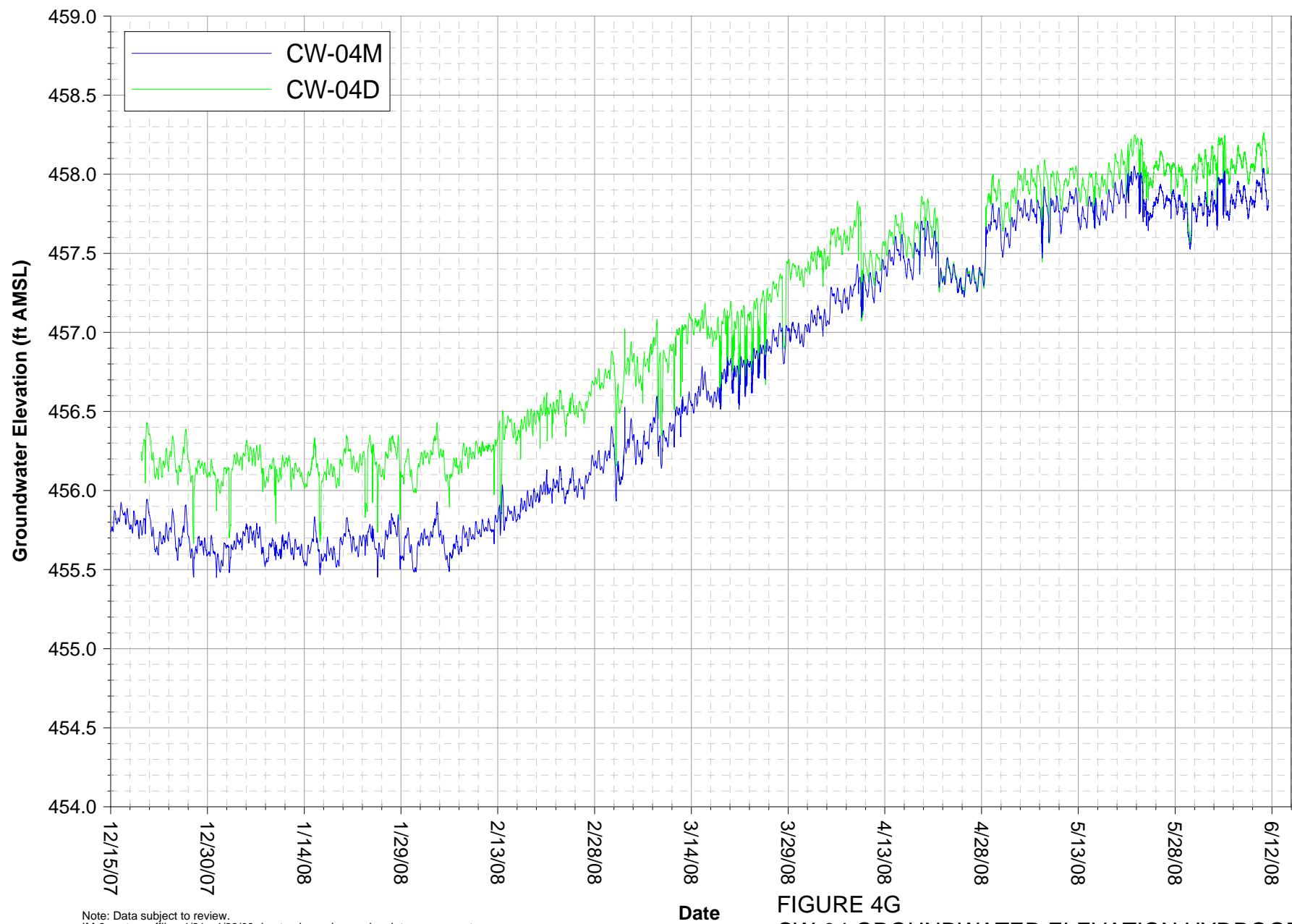
Note: Data subject to review.
 IM-3 system offline 4/21 - 4/28/08 due to planned annual maintenance event.
 IM-3 extraction system intermittently offline 3/17 - 3/26/08 due to well rehabilitation at IW-2.
 Backwashing occurred at IW-3 on 4/9, 5/7, 5/15, 5/22, 6/3, and 6/4/2008.

FIGURE 4E
CW-02 GROUNDWATER ELEVATION HYDROGRAPHS
 IM-3 COMPLIANCE MONITORING PROGRAM
 PG & E TOPOCK COMPRESSOR STATION
 NEEDLES, CALIFORNIA



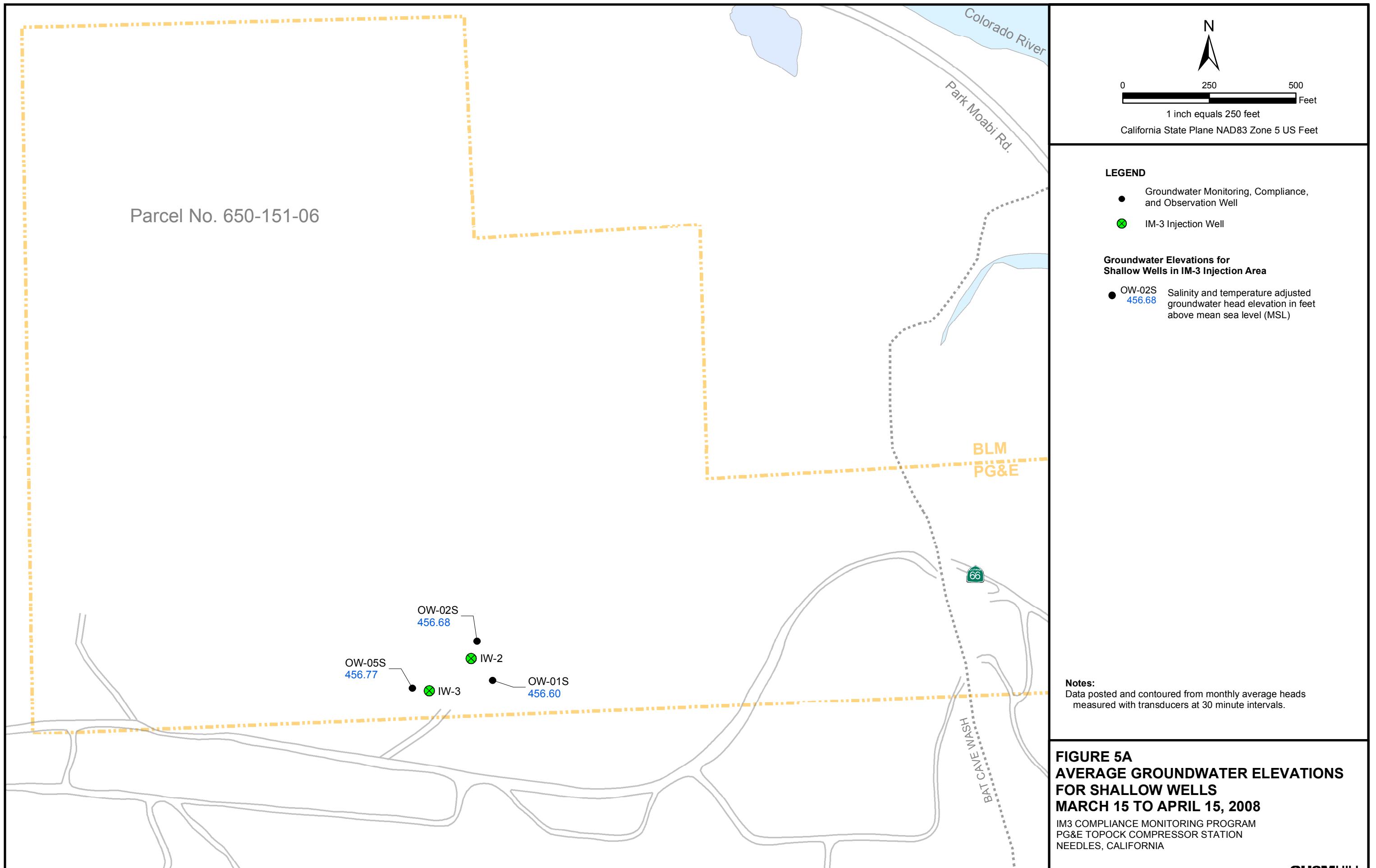
Note: Data subject to review.
IM-3 system offline 4/21 - 4/28/08 due to planned annual maintenance event.
IM-3 extraction system intermittently offline 3/17 - 3/26/08 due to well rehabilitation at IW-2.
Backwashing occurred at IW-3 on 4/9, 5/7, 5/15, 5/22, 6/3, and 6/4/2008.

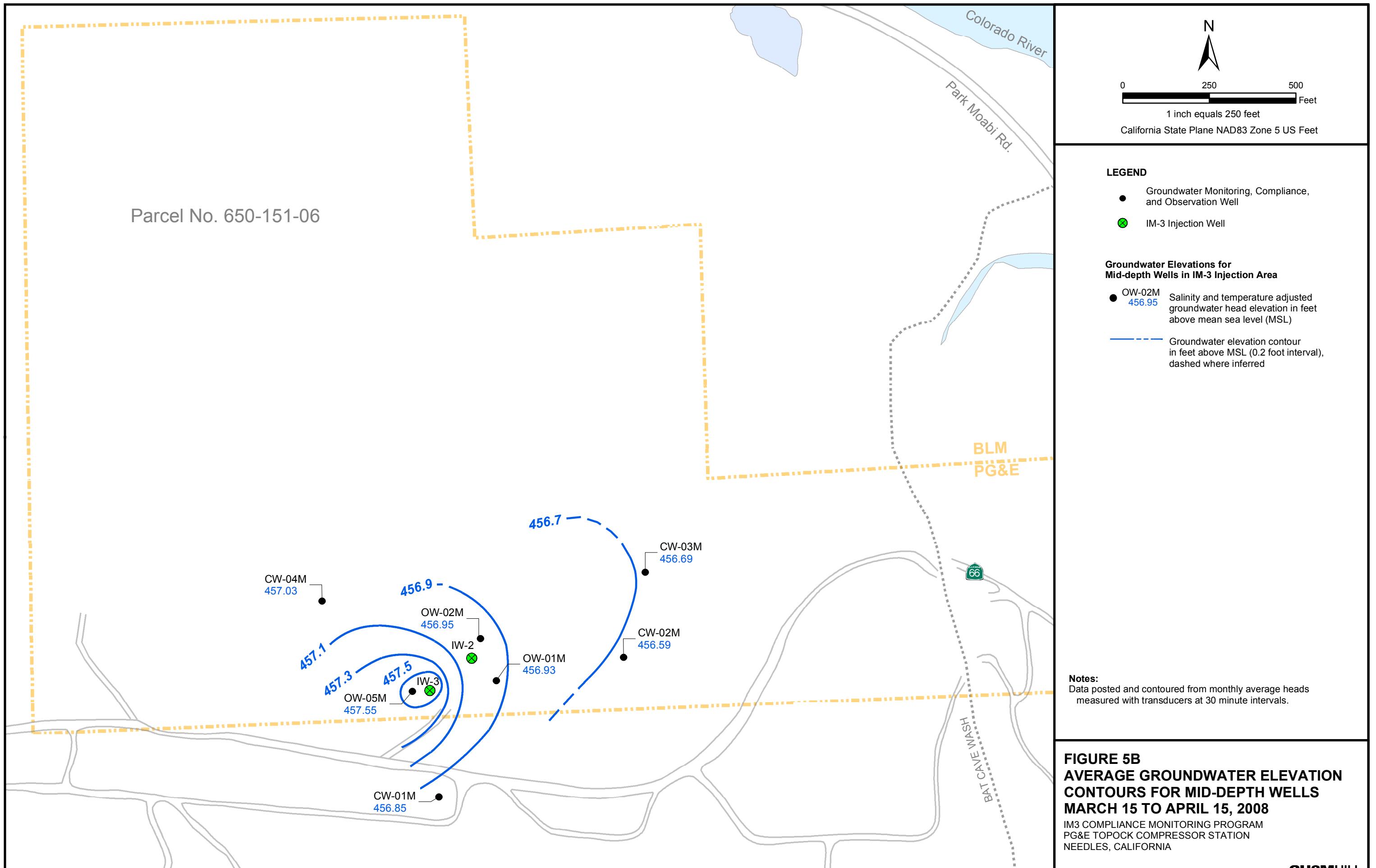
FIGURE 4F
CW-03 GROUNDWATER ELEVATION HYDROGRAPHS
IM-3 COMPLIANCE MONITORING PROGRAM
PG & E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

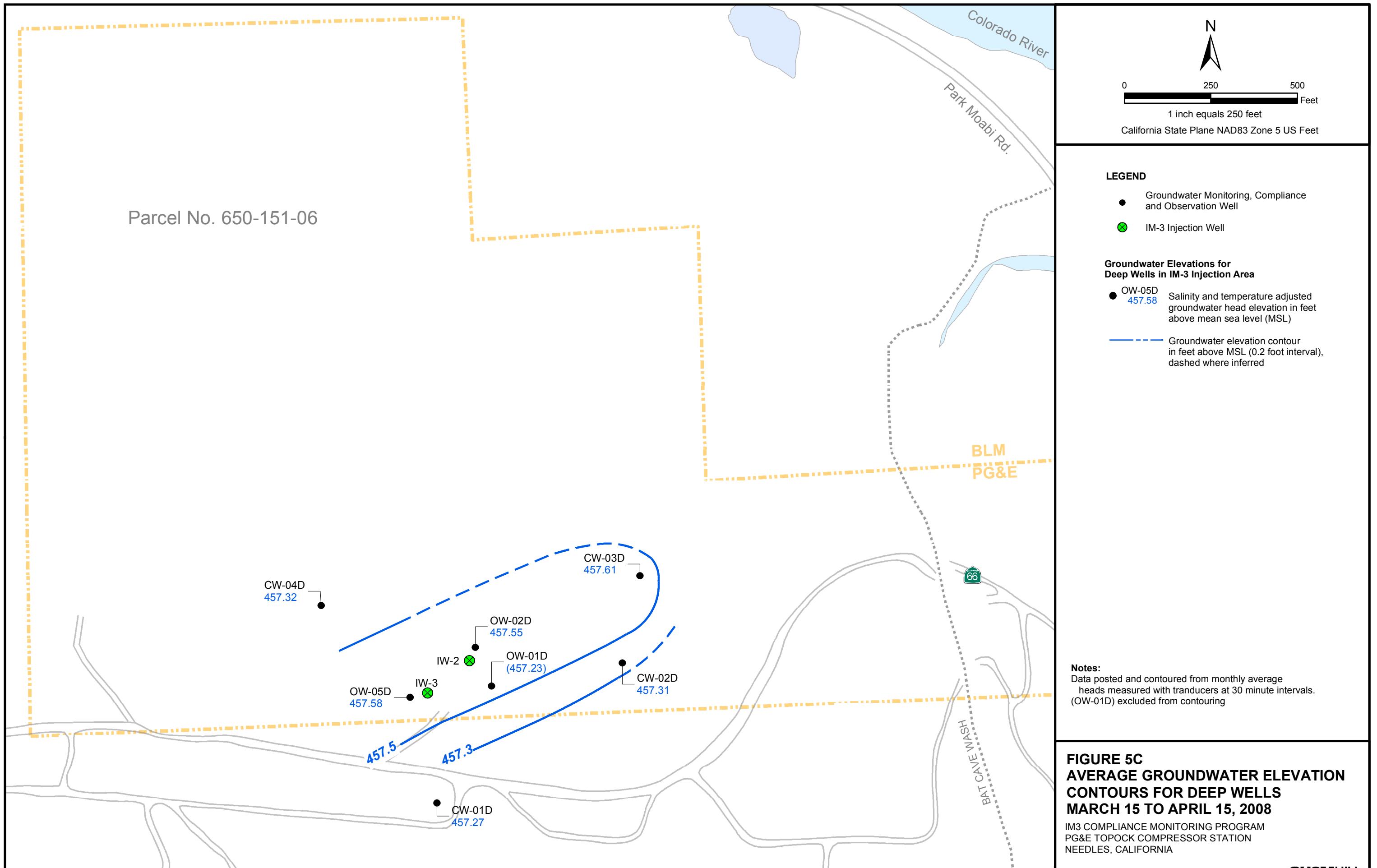


Note: Data subject to review.
IM-3 system offline 4/21 - 4/28/08 due to planned annual maintenance event.
IM-3 extraction system intermittently offline 3/17 - 3/26/08 due to well rehabilitation at IW-2.
Backwashing occurred at IW-3 on 4/9, 5/7, 5/15, 5/22, 6/3, and 6/4/2008.

FIGURE 4G
CW-04 GROUNDWATER ELEVATION HYDROGRAPHS
IM-3 COMPLIANCE MONITORING PROGRAM
PG & E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA







Appendix A
Laboratory Reports, Second Quarter 2008

Appendix B
Field Data Sheets, Second Quarter 2008
