

**CHARNOCK QUARTERLY
GROUNDWATER MONITORING REPORT
Third Quarter 2006
(Calendar Quarter July 1 to September 30, 2006)
Charnock Sub-Basin; Los Angeles, California**

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TABLE OF CONTENTS

<u>Section</u>	<u>Page No.</u>
1.0 INTRODUCTION	1-1
2.0 GROUNDWATER OCCURRENCE	2-1
2.1 Hydrogeology	2-1
2.2 Water Level Measurements	2-2
2.2.1 Shallow Aquifer	2-2
2.2.2 Silverado Aquifer	2-2
3.0 GROUNDWATER ANALYTICAL RESULTS	3-1
3.1 Groundwater Samples	3-1
3.1.1 Shallow Aquifer	3-2
3.1.2 Upper Silverado Aquifer	3-2
3.1.3 Lower Silverado Aquifer	3-2
3.1.4 Summary of Unusual Data Trends	3-3
3.2 Field Quality Control Samples	3-3
3.2.1 Duplicate Samples	3-3
3.2.2 Field Blank Samples	3-3
3.3 Data Quality Review	3-3
4.0 REFERENCES	4-1

TABLE OF CONTENTS (continued)

LIST OF TABLES

Table 1	Summary of Well Construction Data for Regional Monitoring Wells and Piezometers
Table 2a	Historic Groundwater Elevations - Shallow Aquifer
Table 2b	Historic Groundwater Elevations - Silverado Aquifer
Table 2c	Historic Groundwater Elevations - Lower Silverado Aquifer
Table 3	Summary of Drinking Water Quality Criteria
Table 4a	Summary of Groundwater Analytical Results, Third Quarter 2006 – Fuel Constituents
Table 4b	Summary of QC Sample Results, Third Quarter 2006 – Fuel Constituents
Table 5a	Summary of Natural Attenuation Parameter Testing Results, Third Quarter 2006 Shallow Aquifer
Table 5b	Summary of Natural Attenuation Parameter Testing Results, Third Quarter 2006 Upper Silverado Aquifer
Table 6	Summary of Historical Groundwater Analytical Results – Fuel Constituents
Table 7	Summary of Duplicate Sample Analyses – Detected Compounds Only
Table 8	Summary of Qualified Data (Concentrations Above EQLs)
Table 9	Summary of Qualified Data (Concentrations Between MDLs and EQLs)
Table 10	Summary of Qualified Data (Concentrations Not Detected at MDLs)

LIST OF FIGURES [hard copies sent separately]

Figure 1a	Charnock Sub-Basin
Figure 1b	Regional Monitoring Well Locations
Figure 1c	Site Location Map
Figure 2a	Potentiometric Surface Map, Shallow Aquifer – July 2006
Figure 2b	Palms and Sepulveda Intersection Detail
Figure 2c	Venice and Sepulveda Intersection Detail
Figure 2d	Washington and Sepulveda Intersection Detail
Figure 3a	Potentiometric Surface Map, Upper Silverado Aquifer – July 2006
Figure 3b	Palms and Sepulveda Intersection Detail
Figure 3c	Venice and Sepulveda Intersection Detail

TABLE OF CONTENTS (continued)

LIST OF FIGURES (continued)

Figure 4a	MTBE and TBA, Regional Monitoring Wells, Shallow Aquifer – Third Quarter 2006
Figure 4b	MTBE and TBA, Regional Monitoring Wells, Upper Silverado Aquifer – Third Quarter 2006
Figure 4c	MTBE and TBA, Regional Monitoring Wells, Lower Silverado Aquifer – Third Quarter 2006
Figure 5a	MTBE – Perched Zones, Third Quarter 2006
Figure 5b	Charnock MTBE Investigation Area Detail
Figure 6a	MTBE – Shallow Aquifer, Third Quarter 2006
Figure 6b	Charnock MTBE Investigation Area Detail
Figure 6c	Washington and Sepulveda Intersection Detail
Figure 7a	MTBE – Silverado Aquifer, Third Quarter 2006
Figure 7b	Charnock MTBE Investigation Area Detail
Figure 8a	TBA – Perched Zones, Third Quarter 2006
Figure 8b	Charnock MTBE Investigation Area Detail
Figure 9a	TBA – Shallow Aquifer, Third Quarter 2006
Figure 9b	Charnock MTBE Investigation Area Detail
Figure 9c	Washington and Sepulveda Intersection Detail
Figure 10a	TBA – Silverado Aquifer, Third Quarter 2006
Figure 10b	Charnock MTBE Investigation Area Detail

TABLE OF CONTENTS (continued)

APPENDICES

- Appendix A Field Parameters Measured During Ground Water Sampling,
 Third Quarter 2006
- Appendix B ENVIRON Protocol: Water Level, Well Depth, and Separate Phase
 Hydrocarbon Measurements
- Appendix C ENVIRON Protocol: Sampling of Groundwater Monitoring Wells
- Appendix D Analytical Laboratory Reports

1.0 INTRODUCTION

The results of the Third Quarter 2006 groundwater monitoring program are presented in this quarterly groundwater monitoring report. The Third Quarter 2006 quarterly groundwater monitoring program was conducted in July 2006 on behalf of the Charnock Engineering Committee (CEC). The CEC was formed by the City of Santa Monica (the City) and the Charnock Technical Advisory Group (CTAG), which is comprised of Shell, Chevron, and ExxonMobil. In December 2006, the City and the members of the CTAG reached an agreement whereby the restoration of the Charnock well field, including the future monitoring of the Charnock regional monitoring wells, will be conducted by the City.

The groundwater sampling described in this report was performed during the period of July 10 through July 27, 2006. Field work performed during that period included:

- Measurement of groundwater elevations in 30 regional monitoring wells and 2 regional piezometers; and
- Annual sampling and chemical analysis of groundwater from the same 32 monitoring wells and piezometers.

Data presented and discussed in this report were collected from selected regional wells during Third Quarter 2006. A summary of well construction data for regional wells, including the date the well was completed, the total depth of the well, and well construction details, are provided in Table 1. Regional monitoring well and regional piezometer locations are shown on Figures 1a and 1b.

Prior to sampling, each well was purged using a decontaminated submersible pump. During purging, field parameter measurements were obtained using a flow-through cell. Field parameter measurements are provided in Appendix A. Groundwater samples were collected using new disposable bailers. During the quarterly sampling, each of the 32 wells and piezometers was sampled for fuel constituents benzene, toluene, ethylbenzene, and xylenes (BTEX), fuel oxygenates, 1,2,4- and 1,3,5-trimethylbenzene (TMB), and total petroleum hydrocarbons reported as TPH-gasoline (C₆–C₁₂ range) and TPH-gasoline (C₄–C₁₂ range). Samples were also collected for natural attenuation parameter testing from 26 designated wells and piezometers.

In addition, July 2006 groundwater elevations, methyl tert-butyl ether (MTBE) concentration data, and tertiary-butyl alcohol (TBA) concentration data from CTAG company sites available from the January 2007 Charnock database are posted on the appropriate figures in this report. The locations of fuel leak sites within the Charnock Sub-Basin are shown on Figure 1c. According to information in the state Geotracker database, eight sites have been closed recently, and groundwater monitoring has been initiated at one new site (PodMall 1578). The sites that have been closed are labeled on Figure 1c.

2.0 GROUNDWATER OCCURRENCE

2.1 HYDROGEOLOGY

Perched groundwater zones are present above the regional aquifer in many parts of the Charnock Sub-Basin. The depth to regional groundwater currently ranges between approximately 38 and 90 feet below ground surface. Quarterly water level data from regional wells indicate that regional groundwater elevations have been rising at average rates of about 0.4 - 2 feet per quarter as the Charnock Sub-Basin refills following shut down of the Charnock well fields in 1996.

The Shallow Aquifer ranges from approximately 15 to 80 feet thick. It consists of predominantly fine to medium grained sands and silty sands of marine origin, with localized intervals of coarse sand and gravelly sand. This zone is an aquifer when and where saturated. At Sepulveda/Venice, the Shallow Aquifer currently extends up into the Recent alluvium that overlies the marine sands. However, during periods of relatively high groundwater extraction, the Shallow Aquifer has likely been dewatered in the vicinity of the City of Santa Monica (COSM) and Southern California Water Company (SCWC) Charnock well fields. In the absence of well field pumping, the overall direction of groundwater flow is to the southeast. Calculated average bulk horizontal seepage velocities range from approximately 110 feet/year north of Venice to approximately 145 feet/year north of the COSM Charnock well field, and approximately 30 feet/year in the vicinity of the Sepulveda/Washington where the groundwater gradient flattens.

The Shallow Aquifer is underlain by the Shallow Aquitard. Where present, the Shallow Aquitard consists of predominantly fine-grained sediment, but in some areas contains interbeds of silty sand. At some locations, transitional silts and silty sands are present above or below the aquitard unit.

The deeper Silverado Aquifer is comprised of the Upper Silverado Aquifer and the Lower Silverado Aquifer. The Silverado Aquitard separates the Upper Silverado and the Lower Silverado Aquifers. Calculated average bulk horizontal seepage velocities in the Upper Silverado Aquifer range between approximately 100 and 110 feet/year north of Venice, and approximately 30 feet/year in the vicinity of the Sepulveda/Washington where the groundwater gradient flattens. Overall, the Silverado Aquifer consists primarily of fine to medium-grained sand, silty sand, and sandy silt with some localized intervals of coarse sand. It ranges from about 70 to 270 feet thick and is offset by the Charnock and Overland Avenue Faults. It is generally the uppermost water-producing zone within the Charnock Sub-Basin during periods of relatively heavy groundwater extraction. Most deep water supply wells are screened in the Silverado Aquifer, and many wells are terminated at its base.

2.2 WATER LEVEL MEASUREMENTS

In general, water levels were measured in a 24-hour period on July 19, 2006 (30 regional groundwater monitoring wells and 2 regional piezometers). A Solinst water level indicator was used to obtain the water level measurements. Measurements at each well were made twice from a referenced survey point on the well casing, and recorded on the Water Level Measurements Log. Water level field procedures are provided in Appendix B.

2.2.1 Shallow Aquifer

Tabulated water level measurement data for Shallow Aquifer wells are listed in Table 2a. During the Third Quarter 2006, the general groundwater flow direction in the area monitored by the regional Shallow Aquifer wells was to the southeast. Between April 2006 and July 2006, water levels in Shallow Aquifer wells rose an average of 0.38 feet. The groundwater elevations for regional wells are shown along with data for source site wells on Figures 2a-2d.

2.2.2 Silverado Aquifer

Tabulated water level measurement data for Upper Silverado and Lower Silverado Aquifer wells are listed in Tables 2b and 2c, respectively. During the Third Quarter 2006, the general groundwater flow direction in the area monitored by the regional Silverado Aquifer wells was to the southeast. Between April 2006 and July 2006, water levels in Silverado Aquifer wells rose an average of 0.35 feet. The groundwater elevations for regional wells are shown along with data for source site wells on Figures 3a-3c.

3.0 GROUNDWATER ANALYTICAL RESULTS

Groundwater samples were collected from 32 regional monitoring wells and piezometers during Third Quarter 2006. Groundwater sampling field procedures are described in Appendix C. Groundwater samples were collected, stored, and shipped in accordance with chain-of-custody protocol. Purge water generated was stored temporarily in polyethylene tanks and disposed of in accordance with local, state, and federal waste disposal regulations.

3.1 GROUNDWATER SAMPLES

During the quarterly sampling event, groundwater samples were delivered within 24 hours of collection to Calscience Environmental Laboratories, Inc., a California State-certified laboratory located in Garden Grove, California. For the quarterly sampling program, groundwater samples, including two duplicates, were analyzed in accordance with EPA Method 8260B for fuel constituents including BTEX and the fuel oxygenates MTBE, TBA, tert-amyl methyl ether (TAME), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), ethanol, 1,2,4-TMB, and 1,3,5-TMB; and the DHS LUFT method for total petroleum hydrocarbons reported as TPH-gasoline (C₆–C₁₂ range), and TPH-gasoline (C₄–C₁₂ range). Primary and secondary Maximum Contaminant Levels (MCLs) for drinking water and other criteria established by the California Department of Health Services (DHS) for these compounds are shown in Table 3, where available. MCLs or other criteria have not been established for DIPE, ETBE, TAME, ethanol, TPH-gasoline, and many VOCs.

Groundwater analytical results for the quarterly sampling event, including duplicates, are summarized in Table 4a (fuel constituents).

In addition to the above analyses, samples were collected for natural attenuation parameters from 26 wells and piezometers, and the analytical results are presented in Tables 5a and 5b. Complete laboratory reports and Quality Assurance/Quality Control (QA/QC) reports for the Third Quarter 2006 are attached in Appendix D.

Calscience met the project-specific laboratory reporting limits, or Estimated Quantitation Limits (EQLs) (as specified in Del Mar Analytical's Quality Assurance Project Plan [QAPP] [see Table 2, revised 9/21/00, of the Del Mar QAPP included in ENVIRON 2000b]). The EQLs for each compound are shown in the data tables. Detected concentrations that are below the EQLs but above the Method Detection Limits (MDLs) are considered semi-quantitative by the laboratory. These concentrations are therefore flagged "J" in Tables 4a, 4b, 5a, 5b, 6a, and 6b, meaning that the data are estimated. Concentrations above the EQLs may also be qualified with a "J" flag based on the data validation review of the laboratory calibration and quality control samples.

3.1.1 Shallow Aquifer

MTBE concentrations in the Shallow Aquifer wells are presented in Table 4a and shown on Figure 4a. MTBE was detected at concentrations above the EQL of 2.0 micrograms per liter (µg/l) in 7 of the 13 Shallow Aquifer wells sampled. Concentrations ranged from 5.1 µg/l in RMW-48 to 560 µg/l in RMW-12. The primary MCL for MTBE is 13 µg/l, and the secondary

MCL (based on taste and odor) is 5 µg/l. TBA was not detected above the EQL in any of the 13 Shallow Aquifer wells sampled.

TPH-gasoline (C₄-C₁₂) was detected above the associated EQL in Shallow Aquifer wells RMW-12, RMW-20, RMW-25, and RMW-55 at concentrations of 330, 57, 110, and 87 µg/l, respectively. TPH-gasoline (C₆-C₁₂) was detected above the associated EQL in Shallow Aquifer well RMW-25 at a concentration of 92 µg/l. No MCLs or other criteria have been established for TPH-gasoline.

No other fuel oxygenates (TAME, DIPE, ETBE, or ethanol), 1,2,4-TMB, 1,3,5-TMB, ethylbenzene, toluene, or xylenes were detected above their respective EQLs in the Shallow Aquifer wells.

3.1.2 Upper Silverado Aquifer

MTBE concentrations in the Upper Silverado Aquifer wells are presented in Table 4a and shown on Figure 4b. MTBE was detected above the EQL in 12 of the 18 Upper Silverado Aquifer wells sampled. In ten of these wells, MTBE concentrations were above the secondary MCL of 5 µg/l. Concentrations above the secondary MCL ranged from 5.5 µg/l at RMW-21 to 2,400 µg/l (“J” qualified) at RMW-19.

TBA was detected in four wells at concentrations ranging from 55 µg/l at MWM-2 to 1,300 µg/l (“J” qualified) at RMW-6. There is one available criterion for TBA, a California DHS NL of 12 µg/l.

TPH-gasoline (C₄-C₁₂) was detected above the associated EQL in Shallow Aquifer wells RMW-11, RMW-19, and RMW-54 at concentrations of 60, 820, and 56 µg/l, respectively. TPH-gasoline (C₆-C₁₂) was not detected above the associated EQL in the Upper Silverado Aquifer wells. No MCLs or other criteria have been established for TPH-gasoline.

Ethanol was detected in one Upper Silverado Aquifer Well above the laboratory EQL of 150 µg/l. Ethanol was detected at a concentration of 170 µg/l in RMW-49. No other fuel oxygenates, 1,2,4-TMB, 1,3,5-TMB, or BTEX were detected above their respective EQLs in the Upper Silverado Aquifer wells.

3.1.3 Lower Silverado Aquifer

No MTBE, BTEX, fuel oxygenates (MTBE, TBA, TAME, DIPE, ETBE, or ethanol), 1,2,4-TMB, 1,3,5-TMB, or TPH-gasoline were detected above the respective EQLs (see Tables 4a and Figure 4c) in the sampled Lower Silverado Aquifer well RMW-15.

3.1.4 Summary of Unusual Data Trends

There were no unusual data trends observed in the Third Quarter 2006 data.

3.2 FIELD QUALITY CONTROL SAMPLES

3.2.1 Duplicate Samples

Duplicate groundwater samples were collected to evaluate the precision of the overall sampling and analytical procedures. Table 7 presents the duplicate sample results for compounds that were detected in both the primary and duplicate samples. For each compound, the relative percent difference (RPD) was calculated for each duplicate pair and compound to illustrate the precision achieved. The RPDs in Table 7 were calculated by dividing the difference between the results by the average of the results.

The RPDs shown in Table 7 indicate that overall precision between duplicate pairs is good. For both MTBE and TBA, one duplicate pair each with positive results above the EQL for both samples had RPDs of 0 percent. For other compounds, the RPDs ranged from 0 to 18 percent.

3.2.2 Field Blank Samples

QC field blank samples collected during the quarterly sampling, including 10 trip blanks, 19 atmospheric blanks, and 32 equipment rinsate blanks, were delivered to the laboratory along with the groundwater samples for analysis. All QC samples collected were analyzed in accordance with EPA Method 8260B. Equipment rinsate blanks were also analyzed by the DHS LUFT method for TPH-gasoline at the locations where the primary sample (the well sample) was being analyzed for those compounds. QC sample analytical results are summarized in Table 4b.

Benzene was detected in five equipment blanks above the laboratory EQL of 0.50 µg/l. Benzene concentrations ranged from 0.59 µg/l to 2.1 µg/l. Ethylbenzene was detected in one equipment blank above the laboratory EQL of 1.0 µg/l at a concentration of 1.3 µg/l. No other BTEX, MTBE, other oxygenates, 1,2,4-TMB, 1,3,5-TMB, or TPH-gasoline were detected in any of the equipment blanks, atmospheric blanks, or trip blanks at concentrations above laboratory EQLs.

3.3 DATA QUALITY REVIEW

Data validation under USEPA Level II and Level IV guidelines was performed by Laboratory Data Consultants, Inc. of Carlsbad, California. Level IV data validation was performed on the samples collected from the following wells: RMW-6, RMW-50, and RMW-51. Overall, QA/QC criteria established in ENVIRON's QAPP (ENVIRON 2000a) were met for the quarterly sampling conducted in Third Quarter 2006.

4.0 REFERENCES

- ENVIRON International Corporation. 2000a. Appendix A.2, Quality Assurance Project Plan in Task 1.1 Work Plan and Project Schedule, Charnock Initial Regional Response Activities (CIRRA), Charnock Sub-Basin, Los Angeles, California. August 17.
- ENVIRON International Corporation. 2000b. Errata, Task 1.1 Work Plan and Project Schedule, Charnock Initial Regional Response Activities (CIRRA), Charnock Sub-Basin, Los Angeles, California. September 22.

T A B L E S

TABLE 1. SUMMARY OF WELL CONSTRUCTION DATA FOR REGIONAL MONITORING WELLS AND PIEZOMETERS
Third Quarter (July - September) 2006
Charnock Sub-Basin; Los Angeles, California

Well Number	Date Construction Completed	Depth of Well Elevation (ft msl)	Depth of Well* (ft bgs)	Screened Elevation (ft msl)	Screened Interval* (ft bgs)	Well Casing Nominal Diameter (inches)	Well Casing Material	Well Screen Material	Screen Slot Size (inches)	Filter Pack Elevation (ft msl)	Filter Pack Interval* (ft bgs)
<u>Thrifty site (Sepulveda & Palms)</u>											
RMW-1	3/7/1997	-33.0	158.5	-5.5 to -31.5	131.0 - 157.0	5	Sch. 80 PVC	Type 304 SS	0.01	0.5 to -33.0	125.0 - 158.5
RMW-2A	3/26/1997	-130.2	255.0	-110.2 to -130.2	235.0 - 255.0	5	Sch. 80 PVC	Type 304 SS	0.02	-105.2 to -130.2	230.0 - 255.0
<u>Mar Vista Park</u>											
RMW-3	4/4/1997	-96.9	202.0	-74.4 to -94.4	179.5 - 199.5	5	Sch. 80 PVC	Type 304 SS	0.02	-65.9 to -96.9	171.0 - 202.0
RMW-4A	4/25/1997	-42.8	148.5	-2.3 to -42.3	108.0 - 148.0	4	Sch. 40 PVC	Type 304 SS	0.02	1.2 to -42.8	104.5 - 148.5
PZ-1	4/10/1997	50.8	54.0	66.8 to 51.8	38.0 - 53.0	2	Sch. 40 PVC	Sch. 40 PVC	0.02	68.8 to 50.8	36.0 - 54.0
PZ-2	4/16/1997	32.6	72.0	42.6 to 32.6	62.0 - 72.0	2	Sch. 40 PVC	Sch. 40 PVC	0.02	44.6 to 32.6	60.0 - 72.0
PZ-3	4/22/1997	15.5	89.5	26.0 to 16.0	79.0 - 89.0	2	Sch. 40 PVC	Sch. 40 PVC	0.02	29.0 to 15.5	76.0 - 89.5
<u>Tuller Avenue north of Venice</u>											
RMW-5	4/11/1997	-87.1	147.0	-74.1 to -84.1	134.0 - 144.0	5	Sch. 80 PVC	Type 304 SS	0.01	-71.1 to -87.1	131.0 - 147.0
RMW-6	4/18/1997	-64.3	124.4	-52.4 to -61.9	112.5 - 122.0	5	Sch. 80 PVC	Type 304 SS	0.02	-49.9 to -64.3	110.0 - 124.4
RMW-7	4/30/1997	-43.2	103.0	-11.7 to -41.7	71.5 - 101.5	4	Sch. 40 PVC	Type 304 SS	0.02	-10.2 to -43.2	70.0 - 103.0
<u>Corinth Avenue</u>											
RMW-8	07/09/1997	-178.9	271.5	-147.4 to -176.9	240.0 - 269.5	5	Sch. 80 PVC	Type 304 SS	0.02	-142.4 to -178.9	235.0 - 271.5
RMW-9	07/14/1997	-93.4	186.0	-71.4 to -91.4	164.0 - 184.0	5	Sch. 80 PVC	Type 304 SS	0.03	-66.4 to -93.4	159.0 - 186.0
RMW-10	06/30/1997	-45.0	137.5	-24.0 to -44.0	116.5 - 136.5	4	Sch. 40 PVC	Type 304 SS	0.01	-21.5 to -45.0	114.0 - 137.5
<u>Globe & Regent</u>											
RMW-11	12/9/1997	-72.1	181.5	-56.6 to -71.1	166.0 - 180.5	5	Sch. 80 PVC	Type 304 SS	0.02	-53.6 to -72.1	163.0 - 181.5
RMW-12	12/18/1997	-36.9	146.0	-5.9 to -35.4	115.0 - 144.5	4	Sch. 40 PVC	Type 304 SS	0.02	-2.9 to -36.9	112.0 - 146.0
<u>Globe between Regent and Charnock</u>											
RMW-48	3/29/2001	-49.3	157.5	-32.8 to -47.8	141.0 - 156.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-31.8 to -49.3	140.0 - 157.5
RMW-49	3/27/2001	-71.2	179.5	-54.7 to -69.7	163.0 - 178.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-54.2 to -71.2	162.5 - 179.5
<u>Globe between Regent and Venice</u>											
RMW-19	10/4/2000	-69.1	131.1	-53.0 to -68.0	115.0 - 130.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-50.4 to -69.1	112.4 - 131.1
RMW-20	10/10/2000	-80.9	111.2	-33.0 to -48.0	95.0 - 110.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-30.8 to -49.2	92.8 - 111.2
<u>Globe & Charnock</u>											
RMW-23	11/9/2000	-78.8	186.5	-62.4 to -77.4	170.1 - 185.1	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-59.33 to -78.83	167.0 - 186.5
RMW-24	11/7/2000	-43.2	151.0	-27.5 to -42.5	135.3 - 150.3	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-25.2 to -43.2	133.0 - 151.0

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<u>Alleyway bordered by Sawtelle, Globe, and Regent</u>											
RMW-25	7/16/2001	-51.01	113.6	-21.0 to -51.0	83.5 - 113.5	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-19.0 to -51.0	81.5 - 113.6
<u>Sawtelle between Tabor and Charnock</u>											
RMW-13	5/13/1998	-86.3	188.0	-63.3 to -82.3	165.0 - 184.0	5	Sch. 80 PVC	Type 304 SS	0.02	-60.3 to -86.3	162.0 - 188.0
RMW-27	1/23/2001	-56.5	158.0	-40.0 to -55.0	141.5 - 156.5	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-37.6 to -56.5	139.0 - 158.0
<u>Sawtelle between Charnock and Regent</u>											
RMW-21	12/12/2000	-73.2	179.0	-57.2 to -72.2	163.0 - 178.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-55.5 to -73.2	161.3 - 179.0
RMW-22	12/8/2000	-51.3	157.0	-35.3 to -50.3	141.0 - 156.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-32.3 to -51.3	138.0 - 157.0
<u>Sawtelle & Tabor</u>											
RMW-14	7/7/1998	-73.6	176.0	-60.6 to -70.6	163.0 - 173.0	5	Sch. 80 PVC	Type 304 SS	0.02	-58.6 to -73.6	161.0 - 176.0
RMW-15	7/30/1998	-149.6	252.0	-133.6 to -148.1	236.0 - 250.5	5	Sch. 80 PVC	Type 304 SS	0.02	-129.6 to -149.6	232.0 - 252.0
RMW-16A	8/10/1998	-51.7	154.0	-35.7 to -50.7	138.0 - 153.0	4	Sch. 40 PVC	Type 304 SS	0.02	-33.2 to -51.7	135.5 - 154.0
<u>Sawtelle & Westminster</u>											
RMW-17	7/29/1999	-78.6	182.0	-64.6 to -73.6	168.0 - 177.0	5	Sch. 80 PVC	Type 304 SS	0.02	-60.1 to -78.6	163.5 - 182.0
RMW-18	8/4/1999	-37.4	141.0	-24.9 to -34.4	128.5 - 138.0	5	Sch. 80 PVC	Type 304 SS	0.02	-20.9 to -37.4	124.5 - 141.0
<u>Sawtelle & Tabor</u>											
RMW-28	12/15/2000	-71.2	174.0	-54.3 to -69.3	157.0 - 172.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-52.2 to -71.2	155.0 - 174.0
RMW-29	12/20/2000	-49.6	152.0	-33.4 to -48.4	136.0 - 151.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-31.2 to -49.6	134.0 - 152.0
<u>Charnock & Tuller</u>											
RMW-30	7/6/2001	-73.9	185.0	-56.9 to -71.9	168.0 - 183.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-53.9 to -73.9	165.0 - 185.0
RMW-31	7/3/2001	-21.9	133.0	-4.4 to -14.4	115.0 - 125.5	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-1.4 to -21.9	112.5 - 133.0
<u>Butler between Charnock and Westminster</u>											
RMW-32	4/3/2001	-107.7	200.0	-90.7 to -105.7	183.0 - 198.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-89.7 to -107.7	182.0 - 200.0
RMW-33	4/5/2001	-62.2	154.5	-45.7 to -60.7	138.0 - 153.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-44.2 to -62.2	136.5 - 154.5
<u>Tuller between Charnock and Regent</u>											
RMW-50	4/10/2001	-81.3	193.0	-63.8 to -78.3	175.5 - 190.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-61.1 to -81.3	173.0 - 193.0
RMW-51	4/12/2001	-33.8	145.5	-16.8 to -31.3	128.5 - 143.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-14.3 to -33.8	126.0 - 145.5
<u>Sepulveda between Venice & Regent</u>											
RMW-52	7/27/2001	-52.8	121.5	-36.3 to -51.3	105.0 - 120.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-35.3 to -52.8	104.0 - 121.5
RMW-53	7/26/2001	-27.9	96.0	3.1 to -26.9	65.0 - 95.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	6.1 to -27.9	62.0 - 96.0

TABLE 1. SUMMARY OF WELL CONSTRUCTION DATA FOR REGIONAL MONITORING WELLS AND PIEZOMETERS
Third Quarter (July - September) 2006
Charnock Sub-Basin; Los Angeles, California

Well Number	Date Construction Completed	Depth of Well Elevation (ft msl)	Depth of Well* (ft bgs)	Screened Elevation (ft msl)	Screened Interval* (ft bgs)	Well Casing Nominal Diameter (inches)	Well Casing Material	Well Screen Material	Screen Slot Size (inches)	Filter Pack Elevation (ft msl)	Filter Pack Interval* (ft bgs)
<u>Corinth between Charnock and Victoria</u>											
RMW-54	2/1/2006	-71.2	169.0	-56.2 to -70.7	154.0 - 168.5	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-54.2 to -74.2	152.0 - 172.0
RMW-55	2/3/2006	-47.7	145.5	-32.2 to -47.2	130.0 - 145.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-30.2 to -48.2	128.0 - 146.0
<u>Purdue Avenue near Regent</u>											
RMW-58	2/17/2006	-79.8	168.5	-64.3 to -79.3	153.0 - 168.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-61.3 to -81.3	150.0 - 170.0
RMW-59	2/21/2006	-54.8	143.5	-39.3 to -54.3	128.0 - 143.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-37.3 to -56.3	126.0 - 145.0
<u>Venice & Sepulveda</u>											
MWM-1	1/12/2000	-55.9	114.0	-44.9 to -54.9	103.0 - 113.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-41.9 to -55.9	100.0 - 114.0
MWM-2	1/20/2000	-62.0	123.0	-48.0 to -58.0	109.0 - 119.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-46.0 to -62.0	107.0 - 123.0
MWM-3	2/9/2000	-52.0	111.0	-41.0 to -51.0	100.0 to 110.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-39.0 to -52.0	98.0 - 111.0
<u>Regent</u>											
RPZ-4	11/9/2000	-9.4	79.0	6.6 to -8.4	63.0 - 78.0	4	Sch. 80 PVC	Sch. 80 PVC	0.02	9.6 to -9.4	60.0 - 79.0
RPZ-5	11/21/2000	-41.1	110.5	-24.6 to -39.6	94.0 - 109.0	4	Sch. 80 PVC	Sch. 80 PVC	0.02	-22.4 to -41.1	92.0 - 110.5
<u>Queensland & Veteran</u>											
RPZ-6	12/19/2000	-61.3	212.0	-45.3 to -60.3	196.0 - 211.0	4	Sch. 80 PVC	Sch. 80 PVC	0.02	-43.3 to -61.3	194.0 - 212.0
RPZ-7	1/18/2001	-25.3	176.0	-8.8 to -24.8	159.5 - 175.5	4	Sch. 80 PVC	Sch. 80 PVC	0.02	-6.8 to -25.3	157.5 - 176.0
<u>Bently between Charnock and Venice</u>											
RPZ-8	5/23/2001	-54.0	113.0	-36.0 to -51.0	95.0 - 110.0	4	Sch. 80 PVC	Sch. 80 PVC	0.02	-33.5 to -54.0	92.5 - 113.0
RPZ-9	5/24/2001	-12.9	72.0	4.1 to -10.9	55.0 - 70.0	4	Sch. 80 PVC	Sch. 80 PVC	0.02	6.6 to -12.9	52.5 - 72.0

Notes:

ft bgs = feet below ground surface

ft msl = feet, mean sea level

PVC = polyvinyl chloride

SS = stainless steel

* Depths rounded to nearest 0.5 foot.

TABLE 2a. HISTORIC GROUNDWATER ELEVATIONS - SHALLOW AQUIFER
Regional Wells, 5/97 - 7/06; Charnock Sub-Basin; Los Angeles, California

Well ID	RMW-1		RMW-4A		RMW-7		RMW-10		RMW-12		RMW-16A		RMW-18		RMW-20	
TOC	124.52		105.01		59.22		91.78		108.41		101.7		102.75		61.56	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
05/21/97	146.19	-21.67	125.49	-20.48	82.55	-23.33	--	--	--	--	--	--	--	--	--	--
07/21/97	143.70	-19.18	123.16	-18.15	79.87	-20.65	111.51	-19.73	--	--	--	--	--	--	--	--
10/27/97	140.31	-15.79	119.94	-14.93	76.36	-17.14	108.17	-16.39	--	--	--	--	--	--	--	--
02/09/98	137.28	-12.76	117.09	-12.08	73.37	-14.15	105.32	-13.54	122.62	-14.21	--	--	--	--	--	--
04/20/98	135.54	-11.02	115.29	-10.28	71.14	-11.92	103.27	-11.49	120.59	-12.18	--	--	--	--	--	--
07/27/98	132.73	-8.21	112.61	-7.60	67.78	-8.56	100.44	-8.66	117.33	-8.92	--	--	--	--	--	--
10/26/98	131.13	-6.61	111.36	-6.35	65.97	-6.75	99.21	-7.43	115.59	-7.18	108.90	-7.20	--	--	--	--
01/25/99	129.21	-4.69	109.27	-4.26	64.43	-5.21	97.17	-5.39	113.95	-5.54	106.87	-5.17	--	--	--	--
04/26/99	127.35	-2.83	107.33	-2.32	62.91	-3.69	95.26	-3.48	112.30	-3.89	105.30	-3.60	--	--	--	--
07/26/99	125.45	-0.93	105.41	-0.40	61.35	-2.13	93.65	-1.87	110.67	-2.26	103.24	-1.54	--	--	--	--
10/26/99	123.88	0.64	103.92	1.09	59.98	-0.76	92.20	-0.42	109.20	-0.79	101.78	-0.08	102.50	0.25	--	--
02/22/00	122.36	2.16	102.44	2.57	59.28	-0.06	90.91	0.87	108.22	0.19	100.35	1.35	101.02	1.73	--	--
04/25/00	121.28	3.24	101.32	3.69	58.50	0.72	89.89	1.89	107.26	1.15	99.35	2.35	100.01	2.74	--	--
07/25/00	120.14	4.38	100.23	4.78	57.63	1.59	88.83	2.95	106.36	2.05	98.26	3.44	98.94	3.81	--	--
10/30/00	119.16	5.36	99.28	5.73	57.06	2.16	88.83	2.95	105.55	2.86	97.35	4.35	98.04	4.71	--	--
01/22/01	118.23	6.29	98.32	6.69	56.28	2.94	87.12	4.66	104.67	3.74	96.39	5.31	97.18	5.57	58.38	3.18
04/24/01	117.24	7.28	97.32	7.69	55.33	3.89	86.14	5.64	103.73	4.68	95.48	6.22	96.31	6.44	57.45	4.11
07/24/01	116.36	8.16	96.39	8.62	54.22	5.00	85.11	6.67	102.77	5.64	94.57	7.13	95.15	7.60	56.43	5.13
10/23/01	115.48	9.04	95.44	9.57	53.63	5.59	84.42	7.36	102.40	6.01(a)	93.75	7.95	94.41	8.34	55.90	5.66
01/22/02	114.66	9.86	94.69	10.32	53.09	6.13	83.63	8.15	101.43	6.98	92.95	8.75	93.73	9.02	55.21	6.35
04/23/02	113.95	10.57	94.04	10.97	52.50	6.72	83.10	8.68	100.86	7.55	92.38	9.32	92.95	9.80	54.60	6.96
07/23/02	113.15	11.37	93.20	11.81	51.77	7.45	82.24	9.54	99.96	8.45	91.51	10.19	92.08	10.67	53.70	7.86
10/15/02	112.5	12.02	92.55	12.46	51.30	7.92	81.81	9.97	99.65	8.76	91.00	10.70	91.52	11.23	53.45	8.11
01/14/03	111.82	12.70	91.96	13.05	50.65	8.57	81.27	10.51	99.08	9.33	90.41	11.29	90.98	11.77	52.92	8.64
04/15/03	111.31	13.21	91.28	13.73	49.52	9.70	80.42	11.36	98.23	10.18	89.63	12.07	90.15	12.60	51.96	9.60
07/15/03	110.17	14.35	90.15	14.86	48.25	10.97	79.40	12.38	97.02	11.39	88.53	13.17	89.10	13.65	50.75	10.81
10/15/03	109.41	15.11	89.49	15.52	48.12	11.10	78.89	12.89	96.59	11.82	87.96	13.74	88.51	14.24	50.40	11.16
01/13/04	108.53	15.99	88.65	16.36	46.92	12.30	78.12	13.66	95.75	12.66	87.17	14.53	87.75	15.00	49.49	12.07
04/13/04	107.71	16.81	87.73	17.28	46.67	12.55	77.35	14.43	95.15	13.26	86.36	15.34	86.87	15.88	49.00	12.56
01/11/05	--	--	--	--	--	--	75.22	16.56	93.26	15.15	84.04	17.66	--	--	47.11	14.45
04/12/05	103.73	20.79	83.67	21.34	42.85	16.37	73.41	18.37	91.25	17.16	82.38	19.32	82.88	19.87	45.15	16.41
07/12/05	--	--	--	--	--	--	72.22	19.56	89.89	18.52	81.16	20.54	--	--	43.55	18.01
10/19/05	--	--	--	--	--	--	71.66	20.12	89.56	18.85	80.45	21.25	--	--	43.53	18.03
01/18/06	--	--	--	--	--	--	70.94	20.84	89.03	19.38	79.62	22.08	--	--	43.04	18.52
04/19/06	99.77	24.75	79.71	25.30	40.23	18.99	70.31	21.47	88.51	19.90	78.90	22.80	79.26	23.49	42.65	18.91
07/19/06	--	--	--	--	--	--	69.82	21.96	88.13	20.28	78.42	23.28	--	--	42.34	19.22
Change*		--		--		--		+0.49		+0.38		+0.48		--		+0.31

NOTES: TOC indicates top of casing elevation; Depth to groundwater is in feet below top of casing.
Elevation is in feet above or below Mean Sea Level datum (msl).
(a) Groundwater elevation appears anomalous, possibly due to measurement error.

* Difference between two most recent measurements.

TABLE 2a. HISTORIC GROUNDWATER ELEVATIONS - SHALLOW AQUIFER
Regional Wells, 5/97 - 7/06; Charnock Sub-Basin; Los Angeles, California

Well ID	RMW-22		RMW-24		RMW-25		RMW-27		RMW-29		RMW-31		RMW-33		RMW-48	
TOC	105.44		107.43(c)		62.03		101.05		102.34		110.84		91.87		107.65	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
05/21/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/21/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/27/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/09/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/20/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/27/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/26/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/22/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/25/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/22/01	101.09	4.35	103.25	4.16	--	--	--	--	97.37	4.97	--	--	--	--	--	--
04/24/01	100.19	5.25	102.27	5.14	--	--	95.26	5.79	96.44	5.90	--	--	86.21	5.66	102.50	5.15
07/24/01	99.24	6.20	101.34	6.07	57.03	5.00	94.42	6.63	95.50	6.84	104.20	6.64	85.18	6.69	101.67	5.98
10/23/01	98.52	6.92	99.61	7.80(a)	56.43	5.60	93.76	7.29	94.75	7.59	104.55	6.29(a)	84.31	7.56	100.98	6.67
01/22/02	97.77	7.67	99.05	8.36	55.85	6.18	92.88	8.17	93.96	8.38	102.86	7.98	84.38	7.49(b)	100.25	7.40
04/23/02	97.23	8.21	99.30	8.11(a)	55.26	6.77	92.34	8.71	93.37	8.97	102.28	8.56	83.76	8.11(b)	99.68	7.97
07/23/02	96.37	9.07	98.21	9.22	54.38	7.65	91.48	9.57	92.49	9.85	101.4	9.44	82.11	9.76	98.79	8.86
10/15/02	95.97	9.47	97.83	9.60	54.17	7.86	91.01	10.04	92.03	10.31	100.97	9.87	81.65	10.22	98.45	9.20
01/14/03	95.42	10.02	97.23	10.20	53.63	8.40	90.41	10.64	91.49	10.85	100.38	10.46	81.26	10.61	97.85	9.80
04/15/03	94.6	10.84	96.45	10.98	52.63	9.40	89.6	11.45	90.73	11.61	99.69	11.15	80.31	11.56	97.03	10.62
07/15/03	93.44	12.00	95.27	12.16	51.41	10.62	88.55	12.50	89.57	12.77	98.45	12.39	79.46	12.41	95.87	11.78
10/15/03	92.98	12.46	94.75	12.68	51.10	10.93	88.00	13.05	89.00	13.34	97.88	12.96	78.85	13.02	95.38	12.27
01/13/04	92.20	13.24	93.95	13.48	50.16	11.87	87.21	13.84	88.21	14.13	97.06	13.78	78.15	13.72	94.59	13.06
04/13/04	91.50	13.94	93.27	14.16	49.72	12.31	86.44	14.61	87.47	14.87	96.37	14.47	77.38	14.49	93.93	13.72
01/11/05	89.47	15.97	--	--	--	--	--	--	--	--	--	--	--	--	91.95	15.70
04/12/05	87.58	17.86	89.32	18.11	45.80	16.23	82.49	18.56	83.43	18.91	92.47	18.37	73.66	18.21	89.99	17.66
07/12/05	86.30	19.14	88.07	19.36	--	--	--	--	--	--	--	--	--	--	88.56	19.09
10/19/05	85.84	19.60	87.50	19.93	--	--	--	--	--	--	--	--	--	--	88.19	19.46
01/18/06	85.15	20.29	86.81	20.62	--	--	--	--	--	--	--	--	--	--	87.58	20.07
04/19/06	84.57	20.87	86.19	21.24	43.46	18.57	79.27	21.78	80.11	22.23	88.96	21.88	69.99	21.88	86.78	20.87
07/19/06	84.19	21.25	85.76	21.67	43.16	18.87	--	--	--	--	--	--	--	--	86.65	21.00
Change*		+0.38		+0.43		+0.30		--		--		--		--		+0.13

NOTES: TOC indicates top of casing elevation; Depth to groundwater is in feet below top of casing.

(a) Groundwater elevation appears anomalous, possibly due to measurement error.

(b) Groundwater elevation appears anomalously low, possibly due to slow recovery following sampling.

(c) TOC was resurveyed. Water elevations prior to July 2002 were calculated using a TOC elevation of 107.41.

* Difference between two most recent measurements.

TABLE 2a. HISTORIC GROUNDWATER ELEVATIONS - SHALLOW AQUIFER
Regional Wells, 5/97 - 7/06; Charnock Sub-Basin; Los Angeles, California

Well ID	RMW-51		RMW-53		RMW-55		RMW-57		RMW-59		RPZ-4		RPZ-7		RPZ-9	
TOC	111.17		67.63		97.4		96.16		90.97		68.99		150.09		58.75	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
05/21/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/21/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/27/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/09/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/20/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/27/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/26/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/22/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/25/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/22/01	--	--	--	--	--	--	--	--	--	--	66.20	2.79	--	--	--	--
04/24/01	106.06	5.11	--	--	--	--	--	--	--	--	65.24	3.75	142.85	7.24	--	--
07/24/01	105.00	6.17	--	--	--	--	--	--	--	--	64.15	4.84	141.91	8.18	52.77	5.98
10/23/01	104.31	6.86	61.41	6.22	--	--	--	--	--	--	63.12	5.87	139.85	10.24(a)	52.69	6.06(a)
01/22/02	103.61	7.56	60.80	6.83	--	--	--	--	--	--	62.22	6.77	139.82	10.27	51.81	6.94
04/23/02	103.03	8.14	60.21	7.42	--	--	--	--	--	--	61.39	7.60	138.94	11.15	51.24	7.51
07/23/02	102.15	9.02	59.31	8.32	--	--	--	--	--	--	NM	NM	137.91	12.18	50.41	8.34
10/15/02	101.77	9.40	59.03	8.60	--	--	--	--	--	--	NM	NM	136.97	13.12	50.12	8.63
01/14/03	101.15	10.02	58.38	9.25	--	--	--	--	--	--	59.24	9.75	136.13	13.96	49.47	9.28
04/15/03	100.45	10.72	57.51	10.12	--	--	--	--	--	--	58.66	10.33	135.48	14.61	48.49	10.26
07/15/03	99.17	12.00	56.23	11.40	--	--	--	--	--	--	57.75	11.24	134.3	15.79	47.23	11.52
10/15/03	98.64	12.53	55.77	11.86	--	--	--	--	--	--	56.98	12.01	133.38	16.71	46.66	12.09
01/13/04	97.85	13.32	54.93	12.70	--	--	--	--	--	--	56.26	12.73	132.43	17.66	46.05	12.70
04/13/04	97.19	13.98	54.41	13.22	--	--	--	--	--	--	55.57	13.42	131.45	18.64	45.5	13.25
01/11/05	95.16	16.01	52.59	15.04	--	--	--	--	--	--	--	--	--	--	--	--
04/12/05	93.21	17.96	50.44	17.19	--	--	--	--	--	--	52.10	16.89	127.41	22.68	41.15	17.60
07/12/05	91.96	19.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/05	91.41	19.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/18/06	90.74	20.43	--	--	--	--	--	--	--	--	--	--	--	--	39.09	19.66
04/19/06	90.04	21.13	47.66	19.97	77.32	20.08	74.02	19.65	68.04	20.44	48.67	20.32	122.91	27.18	38.72	20.03
07/19/06	89.80	21.37	--	--	76.69	20.71	73.65	20.02	67.70	20.78	--	--	--	--	38.30	20.45
Change*		+0.24		--		+0.63		+0.37		+0.34		--		--		+0.42

NOTES: TOC indicates top of casing elevation; Depth to groundwater is in feet below top of casing.

(a) Groundwater elevation appears anomalous, possibly due to measurement error.

NM - Water level could not be measured due to new asphalt pavement over well box.

TABLE 2b. HISTORIC GROUNDWATER ELEVATIONS - UPPER SILVERADO AQUIFER
Regional Wells, 5/97 - 7/06; Charnock Sub-Basin, Los Angeles, California

Well ID	RMW-3		RMW-5		RMW-6		RMW-9		RMW-11		RMW-13		RMW-14		RMW-17	
TOC	104.61		59.41		59.58		91.83		108.85		101.02		101.49		102.44	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
05/21/97	124.99	-20.38	82.61	-23.20	82.88	-23.30	--	--	--	--	--	--	--	--	--	--
07/21/97	122.68	-18.07	79.99	-20.58	80.23	-20.65	111.41	-19.58	--	--	--	--	--	--	--	--
10/27/97	119.48	-14.87	76.46	-17.05	76.62	-17.04	108.05	-16.22	--	--	--	--	--	--	--	--
02/09/98	116.75	-12.14	73.43	-14.02	73.67	-14.09	105.29	-13.46	122.74	-13.89	--	--	--	--	--	--
04/20/98	114.83	-10.22	71.31	-11.90	71.52	-11.94	103.22	-11.39	120.67	-11.82	--	--	--	--	--	--
07/27/98	112.13	-7.52	68.25	-8.84	68.35	-8.77	100.40	-8.57	117.61	-8.76	109.61	-8.59	--	--	--	--
10/26/98	110.96	-6.35	66.57	-7.16	66.67	-7.09	99.17	-7.34	116.06	-7.21	108.27	-7.25	108.68	-7.19	--	--
01/25/99	108.86	-4.25	64.83	-5.42	64.98	-5.40	97.13	-5.30	114.30	-5.45	106.28	-5.26	106.66	-5.17	--	--
04/26/99	106.87	-2.26	63.33	-3.92	63.44	-3.86	95.32	-3.49	112.67	-3.82	104.45	-3.43	104.76	-3.27	--	--
07/26/99	105.01	-0.40	62.72	-3.31	61.84	-2.26	93.55	-1.72	111.00	-2.15	102.72	-1.70	103.01	-1.52	--	--
10/26/99	103.51	1.10	60.38	-0.97	60.48	-0.90	92.19	-0.36	109.60	-0.75	101.21	-0.19	101.54	-0.05	102.07	0.37
02/22/00	102.04	2.57	59.39	0.02	59.57	0.01	90.88	0.95	108.53	0.32	100.04	0.98	100.13	1.36	100.92	1.52
04/25/00	100.95	3.66	58.62	0.79	58.82	0.76	89.87	1.96	107.57	1.28	98.92	2.10	99.13	2.36	99.81	2.63
07/25/00	99.86	4.75	57.52	1.89	57.72	1.86	88.83	3.00	106.60	2.25	97.92	3.10	98.60	2.89	98.81	3.63
10/30/00	98.89	5.72	56.85	2.56	57.11	2.47	88.01	3.82	105.82	3.03	87.02	14.00 (a)	97.17	4.32	98.00	4.44
01/22/01	97.96	6.65	56.07	3.34	56.39	3.19	87.11	4.72	104.93	3.92	96.09	4.93	96.22	5.27	96.81	5.63
04/24/01	96.99	7.62	55.34	4.07	55.42	4.16	86.15	5.68	104.03	4.82	95.17	5.85	95.29	6.20	95.86	6.58
07/24/01	96.03	8.59	54.23	5.18	54.58	5.00	85.15	6.68	103.08	5.77	94.22	6.80	94.34	7.15	94.99	7.45
10/23/01	95.71	8.91(a)	53.65	5.76	53.99	5.59	84.43	7.40	102.35	6.50	93.50	7.52	93.58	7.91	94.13	8.31
01/22/02	93.35	11.26	53.04	6.37	53.45	6.13	83.68	8.15	101.71	7.14	92.70	8.32	92.78	8.71	93.33	9.11
04/23/02	93.71	10.90	52.37	7.04	52.65	6.93	83.13	8.70	101.12	7.73	92.14	8.88	92.22	9.27	92.74	9.70
07/23/02	92.85	11.76	51.78	7.63	52.17	7.41	82.28	9.55	100.28	8.57	91.30	9.72	91.37	10.12	91.90	10.54
10/15/02	92.22	12.39	51.29	8.12	51.66	7.92	81.84	9.99	99.90	8.95	90.83	10.19	90.86	10.63	91.35	11.09
01/14/03	91.63	12.98	50.74	8.67	51.10	8.48	81.30	10.53	99.38	9.47	90.24	10.78	90.30	11.19	90.78	11.66
04/15/03	90.95	13.66	49.60	9.81	49.80	9.78	80.47	11.36	98.53	10.32	89.42	11.60	89.52	11.97	90.19	12.25
07/15/03	89.83	14.78	48.48	10.93	48.55	11.03	79.42	12.41	97.38	11.47	88.36	12.66	88.44	13.05	88.93	13.51
10/15/03	89.16	15.45	48.33	11.08	48.62	10.96	78.92	12.91	96.92	11.93	87.84	13.18	87.96	13.53	88.33	14.11
01/13/04	88.33	16.28	47.16	12.25	47.31	12.27	78.15	13.68	96.11	12.74	87.08	13.94	87.10	14.39	87.55	14.89
04/13/04	87.41	17.20	46.82	12.59	47.09	12.49	77.38	14.45	95.47	13.38	86.29	14.73	86.29	15.20	86.72	15.72
01/11/05	84.91	19.70	--	--	--	--	75.24	16.59	93.46	15.39	--	--	84.16	17.33	--	--
04/12/05	83.36	21.25	42.99	16.42	43.21	16.37	73.43	18.40	91.61	17.24	82.34	18.68	82.28	19.21	82.70	19.74
07/12/05	82.15	22.46	--	--	41.52	18.06	72.25	19.58	90.21	18.64	--	--	81.08	20.41	--	--
10/19/05	81.25	23.36	--	--	41.63	17.95	71.69	20.14	89.97	18.88	--	--	80.43	21.06	--	--
01/18/06	80.29	24.32	--	--	41.39	18.19	70.93	20.90	89.32	19.53	--	--	79.63	21.86	--	--
04/16/06	79.47	25.14	40.65	18.76	40.81	18.77	70.36	21.47	88.87	19.98	79.15	21.87	78.95	22.54	79.20	23.24
07/19/06	79.80	24.81(a)	--	--	40.45	19.13	69.88	21.95	88.49	20.36	--	--	78.44	23.05	--	--
Change*		-0.33		--		+0.36		+0.48		+0.38		--		+0.51		--

NOTES: TOC indicates top of casing elevation; Depth to groundwater is in feet below top of casing.
Elevation is in feet above or below Mean Sea Level datum (msl).
(a) Groundwater elevation appears anomalous, possibly due to measurement error.

* Difference between two most recent measurements.

TABLE 2b. HISTORIC GROUNDWATER ELEVATIONS - UPPER SILVERADO AQUIFER
Regional Wells, 5/97 - 7/06; Charnock Sub-Basin, Los Angeles, California

Well ID	RMW-19		RMW-21		RMW-23		RMW-28		RMW-30		RMW-32		RMW-49		RMW-50	
TOC	61.56		105.32		107.25(b)		102.43		110.65		92.09		107.84		111.19	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
05/21/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/21/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/27/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/09/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/20/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/27/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/26/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/22/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/25/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/22/01	58.33	3.23	101.88	3.44	103.05	4.44	97.39	5.04	--	--	--	--	--	--	--	--
04/24/01	57.43	4.13	100.01	5.31	102.07	5.42	96.47	5.96	--	--	85.80	6.29	102.75	5.09	105.98	5.21
07/24/01	56.41	5.15	99.10	6.22	101.13	6.36	95.01	7.42	104.00	6.65	84.83	7.26	101.80	6.04	104.97	6.22
10/23/01	55.77	5.79	98.41	6.91	100.41	7.08	94.76	7.67(a)	103.53	7.12	84.08	8.01	101.50	6.34(a)	104.26	6.93
01/22/02	55.19	6.37	97.65	7.67	99.65	7.84	93.98	8.45	102.61	8.04	83.32	8.77	100.38	7.46	103.59	7.60
04/23/02	54.58	6.98	97.10	8.22	99.06	8.43	93.38	9.05	102.03	8.62	82.75	9.34	99.77	8.07	103.01	8.18
07/23/02	53.71	7.85	96.27	9.05	97.93	9.32	92.51	9.92	101.18	9.47	81.93	10.16	98.92	8.92	102.16	9.03
10/15/02	53.38	8.18	95.83	9.49	97.51	9.74	92.04	10.39	100.73	9.92	81.44	10.65	98.54	9.30	101.73	9.46
01/14/03	52.91	8.65	95.30	10.02	96.95	10.30	91.51	10.92	100.15	10.50	80.90	11.19	97.97	9.87	101.18	10.01
04/15/03	51.97	9.59	94.44	10.88	96.15	11.10	90.74	11.69	99.43	11.22	80.05	12.04	97.16	10.68	100.44	10.75
07/15/03	50.75	10.81	93.34	11.98	95.06	12.19	89.61	12.82	98.25	12.40	79.06	13.03	96.04	11.80	99.23	11.96
10/15/03	50.41	11.15	92.86	12.46	94.52	12.73	89.03	13.40	97.73	12.92	78.50	13.59	95.58	12.26	98.72	12.47
01/13/04	49.52	12.04	92.10	13.22	93.74	13.51	88.21	14.22	96.78	13.87	77.75	14.34	94.77	13.07	97.90	13.29
04/13/04	49.01	12.55	91.36	13.96	93.03	14.22	87.48	14.95	96.18	14.47	76.95	15.14	94.1	13.74	97.24	13.95
01/11/05	47.00	14.56	89.29	16.03	--	--	--	--	--	--	--	--	92.06	15.78	95.18	16.01
04/12/05	45.18	16.38	87.47	17.85	89.14	18.11	83.47	18.96	92.28	18.37	72.99	19.10	90.21	17.63	93.38	17.81
07/12/05	43.54	18.02	86.20	19.12	87.83	19.42	--	--	--	--	--	--	88.81	19.03	92.05	19.14
10/19/05	43.61	17.95	85.80	19.52	87.40	19.85	--	--	--	--	--	--	88.54	19.30	91.86	19.33
01/18/06	43.14	18.42	85.16	20.16	86.75	20.50	--	--	--	--	--	--	87.89	19.95	91.04	20.15
04/16/06	42.73	18.83	84.59	20.73	86.11	21.14	80.17	22.26	89.01	21.64	69.81	22.28	87.12	20.72	90.27	20.92
07/19/06	42.41	19.15	84.19	21.13	85.67	21.58	--	--	--	--	--	--	86.94	20.90	90.03	21.16
Change*		+0.32		+0.40		+0.44		--		--		--		+0.18		+0.24

NOTES: TOC indicates top of casing elevation; Depth to groundwater is in feet below top of casing.
Elevation is in feet above or below Mean Sea Level datum (msl).
(a) Groundwater elevation appears anomalous, possibly due to measurement error.

* Difference between two most recent measurements.
(b) TOC was resurveyed after well casing was cut during well box maintenance.
Water elevations prior to July 2002 were calculated using a TOC elevation of 107.49.

TABLE 2b. HISTORIC GROUNDWATER ELEVATIONS - UPPER SILVERADO AQUIFER
Regional Wells, 5/97 - 7/06; Charnock Sub-Basin, Los Angeles, California

Well ID	RMW-52		RMW-54		RMW-56		RMW-58		MWM-1		MWM-2		MWM-3		RPZ-5	
TOC	68.36		97.43		93.51		88.44		58.13		60.99		58.98		69.07	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
05/21/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/21/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/27/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/09/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/20/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/27/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/26/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/22/00	--	--	--	--	--	--	--	--	58.15	-0.03	60.59	0.40	58.76	0.22	--	--
04/25/00	--	--	--	--	--	--	--	--	51.68	0.44	56.74	4.25	58.47	0.49	--	--
07/25/00	--	--	--	--	--	--	--	--	56.40	1.72	59.03	1.96	57.22	1.74	--	--
10/30/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/22/01	--	--	--	--	--	--	--	--	55.37	2.76	57.57	3.42	56.08	2.90	--	--
04/24/01	--	--	--	--	--	--	--	--	54.73	3.40	56.74	4.25	55.40	3.58	65.40	3.67
07/24/01	--	--	--	--	--	--	--	--	53.61	4.52	55.67	5.32	54.37	4.61	64.25	4.82
10/23/01	62.25	6.11	--	--	--	--	--	--	52.80	5.33	55.11	5.88	53.71	5.27	63.32	5.75
01/22/02	61.61	6.75	--	--	--	--	--	--	52.43	5.70	54.55	6.44	53.18	5.80	62.33	6.74
04/23/02	61.04	7.32	--	--	--	--	--	--	51.77	6.36	53.85	7.14	52.51	6.47	61.10	7.97
07/23/02	60.18	8.18	--	--	--	--	--	--	51.01	7.12	53.16	7.83	51.73	7.25	NM	NM
10/15/02	59.79	8.57	--	--	--	--	--	--	50.45	7.68	52.67	8.32	51.20	7.78	NM	NM
01/14/03	59.30	9.06	--	--	--	--	--	--	50.21(a)	7.92	52.10	8.89	50.92	8.06	59.19	9.88
04/15/03	58.53	9.83	--	--	--	--	--	--	49.32	8.81	51.01	9.98	50.03	8.95	58.83	10.24
07/15/03	57.30	11.06	--	--	--	--	--	--	47.87	10.26	49.80	11.19	48.66	10.32	57.81	11.26
10/15/03	56.86	11.50	--	--	--	--	--	--	47.77	10.36	49.68	11.31	48.51	10.47	57.02	12.05
01/13/04	55.97	12.39	--	--	--	--	--	--	46.88	11.25	48.45	12.54	47.58	11.40	56.31	12.76
04/13/04	55.36	13.00	--	--	--	--	--	--	46.30	11.83	48.14	12.85	46.98	12.00	55.61	13.46
01/11/05	53.38	14.98	--	--	--	--	--	--	44.06	14.07	46.20	14.79	44.85	14.13	--	--
04/12/05	51.55	16.81	--	--	--	--	--	--	42.55	15.58	44.36	16.63	43.18	15.80	52.15	16.92
07/12/05	50.03	18.33	--	--	--	--	--	--	40.49	17.64	42.76	18.23	41.24	17.74	--	--
10/19/05	49.92	18.44	--	--	--	--	--	--	41.07	17.06	42.74	18.25	41.71	17.27	--	--
01/18/06	49.38	18.98	--	--	--	--	--	--	40.90	17.23	42.24	18.75	41.46	17.52	--	--
04/16/06	48.87	19.49	77.32	20.11	73.89	19.62	68.02	20.42	40.30	17.83	41.82	19.17	40.83	18.15	48.48	20.59
07/19/06	48.46	19.90	76.91	20.52	73.48	20.03	67.60	20.84	39.88	18.25	41.36	19.63	40.51	18.47	--	--
Change*		+0.41		+0.41		+0.41		+0.42		+0.42		+0.46		+0.32		--

NOTES: Elevation is in feet above or below Mean Sea Level datum (msl).
TOC indicates top of casing elevation; Depth to groundwater is in feet below top of casing.
(a) Groundwater elevation appears anomalous, possibly due to measurement error.

* Difference between two most recent measurements.
NM -Water level could not be measured due to new asphalt pavement over well box.

TABLE 2b. HISTORIC GROUNDWATER ELEVATIONS - UPPER SILVERADO AQUIFER
Regional Wells, 5/97 - 7/06; Charnock Sub-Basin, Los Angeles, California

Well ID	RPZ-6		RPZ-8	
TOC	150.3		58.52	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
05/21/97	--	--	--	--
07/21/97	--	--	--	--
10/27/97	--	--	--	--
02/09/98	--	--	--	--
04/20/98	--	--	--	--
07/27/98	--	--	--	--
10/26/98	--	--	--	--
01/25/99	--	--	--	--
04/26/99	--	--	--	--
07/26/99	--	--	--	--
10/26/99	--	--	--	--
02/22/00	--	--	--	--
04/25/00	--	--	--	--
07/25/00	--	--	--	--
10/30/00	--	--	--	--
01/22/01	--	--	--	--
04/24/01	143.12	7.18	--	--
07/24/01	142.16	8.14	52.38	6.14
10/23/01	141.12	9.18	52.35	6.17(a)
01/22/02	140.09	10.21	51.98	6.54
04/23/02	139.20	11.10	51.42	7.10
07/23/02	138.15	12.15	50.57	7.95
10/15/02	137.23	13.07	50.25	8.27
01/14/03	136.35	13.95	49.74	8.78
04/15/03	135.74	14.56	49.01	9.51
07/15/03	134.54	15.76	47.78	10.74
10/15/03	133.63	16.67	47.36	11.16
01/13/04	132.67	17.63	46.50	12.02
04/13/04	131.64	18.66	45.86	12.66
01/11/05	--	--	--	--
04/12/05	127.62	22.68	42.07	16.45
07/12/05	--	--	--	--
10/19/05	--	--	--	--
01/18/06	--	--	39.97	18.55
04/16/06	123.19	27.11	39.49	19.03
07/19/06	--	--	39.12	19.40
Change*		--		+0.48

NOTES: TOC indicates top of casing elevation; Depth to groundwater is in feet below top of casing.
Elevation is in feet above or below Mean Sea Level datum (msl).
(a) Groundwater elevation appears anomalous, possibly due to measurement error.

* Difference between two most recent measurements.

TABLE 2c. HISTORIC GROUNDWATER ELEVATIONS - LOWER SILVERADO AQUIFER
Regional Wells, 5/97 - 7/06; Charnock Sub-Basin, Los Angeles, California

Well ID	RMW-2A		RMW-8		RMW-15	
TOC	124.09		91.92		101.53	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
05/21/97	145.63	-21.54	--	--	--	--
07/21/97	143.27	-19.18	111.31	-19.39	--	--
10/27/97	140.00	-15.91	108.05	-16.13	--	--
02/09/98	137.19	-13.10	105.28	-13.36	--	--
04/20/98	135.24	-11.15	103.25	-11.33	--	--
07/27/98	132.70	-8.61	100.46	-8.54	--	--
10/26/98	131.26	-7.17	99.31	-7.39	108.81	-7.28
01/25/99	129.23	-5.14	97.27	-5.35	106.75	-5.22
04/26/99	127.37	-3.28	95.30	-3.38	104.64	-3.11
07/26/99	125.49	-1.40	93.71	-1.79	102.99	-1.46
10/26/99	124.10	-0.01	92.30	-0.38	101.47	0.06
02/22/00	122.56	1.53	90.95	0.97	100.06	1.47
04/25/00	121.50	2.59	89.95	1.97	99.18	2.35
07/25/00	120.38	3.71	88.88	3.04	98.13	3.40
10/30/00	119.40	4.69	88.07	3.85	97.24	4.29
01/22/01	118.42	5.67	87.21	4.71	96.33	5.20
04/24/01	117.44	6.65	86.20	5.72	95.27	6.26
07/24/01	116.43	7.66	85.26	6.66	94.46	7.07
10/23/01	115.57	8.52	84.51	7.41	93.63	7.90
01/22/02	114.73	9.36	83.71	8.21	92.86	8.67
04/23/02	114.04	10.05	83.18	8.74	92.31	9.22
07/23/02	113.21	10.88	82.37	9.55	91.50	10.03
10/15/02	112.57	11.52	81.89	10.03	91.00	10.53
01/14/03	111.92	12.17	81.34	10.58	90.30	11.23
04/15/03	111.19	12.90	80.48	11.44	89.42	12.11
07/15/03	110.14	13.95	79.47	12.45	88.52	13.01
10/15/03	109.46	14.63	78.94	12.98	88.01	13.52
01/13/04	108.61	15.48	78.20	13.72	87.21	14.32
04/13/04	107.80	16.29	77.41	14.51	86.32	15.21
01/11/05	--	--	--	--	84.02(a)	17.51
04/12/05	103.83	20.26	73.45	18.47	82.35	19.18
07/12/05	--	--	--	--	81.22	20.31
10/19/05	--	--	--	--	80.62	20.91
01/18/06	--	--	--	--	79.88	21.65
04/19/06	100.11	23.98	70.36	21.56	79.19	22.34
07/19/06	--	--	--	--	78.68	22.85
Change*		--		--		+0.51

NOTES: TOC indicates top of casing elevation; Depth to groundwater is in feet below top of casing.
Elevation is in feet above or below Mean Sea Level datum (msl).
LSA indicates Lower Silverado Aquifer

* Difference between two most recent measurements.
(a) Water level measured on 1/31/05.

TABLE 3. SUMMARY OF DRINKING WATER QUALITY CRITERIA
Charnock Sub-Basin; Los Angeles, California

PARAMETER	EQL (µg/l)	California DHS			
		Primary MCL ¹ (µg/l)	Secondary MCL ¹ (µg/l)	NL ² (µg/l)	PHG ³ (µg/l)
Fuel Constituents					
Methyl-tert-Butyl Ether (MTBE)	2.0	13	5	--	13
tert-Butyl Alcohol (TBA)	25	--	--	12	--
tert-Amyl Methyl Ether (TAME)	2.0	--	--	--	--
Di-isopropyl Ether (DIPE)	2.0	--	--	--	--
Ethyl-tert-Butyl Ether (ETBE)	2.0	--	--	--	--
1,2,4-Trimethylbenzene (1,2,4-TMB)	1.0	--	--	330	--
1,3,5-Trimethylbenzene (1,3,5-TMB)	1.0	--	--	330	--
Ethanol	150	--	--	--	--
Benzene	0.5	1	--	--	0.15
Ethylbenzene	1.0	300	--	--	300
Toluene	1.0	150	--	--	150
m,p-Xylenes	1.0	1,750	--	--	1,800
o-Xylene	1.0	1,750	--	--	1,800
Total Xylenes	2.0	1,750	--	--	1,800
TPH-gasoline (C6-C12)	50	--	--	--	--
TPH-gasoline (C4-C12)	100	--	--	--	--

Notes:

"--" means None Available

µg/l = micrograms per liter

DHS = California Department of Health Services

EQL = Laboratory Estimated Quantitation Limit

MCL = Maximum Contaminant Level

NL = Notification Level

PHG = Public Health Goal

Sources:

- 1 California Code of Regulations. 2003. Title 22, Chapter 15: Domestic Water Quality and Monitoring. September 12.
- 2 California Department of Health Services. 2005. Drinking Water Program. May 9.
- 3 CalEPA. 2004. Office of Environmental Health Hazard Assessment (OEHHA) Public Health Goals. April 23.

TABLE 4a. SUMMARY OF PRELIMINARY GROUNDWATER ANALYTICAL RESULTS, Third Quarter 2006 - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Well No.	Aquifer	Sample Date	MTBE	TBA	TAME	DIPE	ETBE	1,2,4-TMB	1,3,5-TMB	Ethanol	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Volatile Fuel Hydrocarbons		
			EPA Method 8260B														C6-C12	C4-C12
			EQL (µg/l):	2.0	25.0	2.0	2.0	2.0	1.0	1.0	150	0.5	1.0	1.0	1.0	1.0	50	50
MWM-1	Upper Silverado	7/21/06	11	130	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
MWM-2	Upper Silverado	7/20/06	14	55	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
MWM-3	Upper Silverado	7/20/06	14	<3.9	<0.33	<0.33	<0.39	0.34J	<0.19	<54	0.5X	<0.17	0.72J	0.59J	0.54J	<48	<48	
RMW-3	Upper Silverado	7/11/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-6	Upper Silverado	7/24/06	1.2J	1,300J	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-6 fd		7/24/06	1.2J	1,300J	<0.33	0.42J	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-9	Upper Silverado	7/11/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-10	Shallow	7/11/06	11	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-11	Upper Silverado	7/17/06	95	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	100J	<0.26	<0.17	<0.35	<0.38	<0.21	<48	60	
RMW-12	Shallow	7/17/06	560	<20	<1.6	<1.6	<1.9	<1.3	<0.94	<270	<1.3	<0.87	<1.7	<1.9	<1.0	<48	330	
RMW-14	Upper Silverado	7/10/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-15	Lower Silverado	7/10/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-15 fd		7/10/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-16A	Shallow	7/10/06	0.39J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-19	Upper Silverado	7/17/06	2,400J	740	0.41J	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	820	
RMW-20	Shallow	7/17/06	92	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	57	
RMW-21	Upper Silverado	7/14/06	5.5	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-22	Shallow	7/14/06	32	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-23	Upper Silverado	7/13/06	1.2J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	150V	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-24	Shallow	7/13/06	1.1J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-25	Shallow	7/14/06	260J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	92	110	
RMW-48	Shallow	7/13/06	5.1	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-49	Upper Silverado	7/13/06	17	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	170	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-50	Upper Silverado	7/12/06	3.3	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-51	Shallow	7/12/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-52	Upper Silverado	7/21/06	38	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-54	Upper Silverado	7/12/06	57	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	56	
RMW-55	Shallow	7/12/06	120	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	87	
RMW-56	Upper Silverado	7/18/06	11	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-57	Shallow	7/18/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-58	Upper Silverado	7/18/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RMW-59	Shallow	7/18/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	

TABLE 4a. SUMMARY OF PRELIMINARY GROUNDWATER ANALYTICAL RESULTS, Third Quarter 2006 - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Well No.	Aquifer	Sample Date	MTBE	TBA	TAME	DIPE	ETBE	1,2,4-TMB	1,3,5-TMB	Ethanol	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Volatile Fuel Hydrocarbons		
			EPA Method 8260B														C6-C12	C4-C12
			EQL (µg/l):			2.0	25.0	2.0	2.0	2.0	1.0	1.0	150	0.5	1.0	1.0	1.0	50
RPZ-8	Upper Silverado	7/27/06	2.5	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	
RPZ-9	Shallow	7/27/06	0.95J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48	

Notes:

All units are in micrograms per liter (µg/l), or parts per billion

EQL = Estimated Quantitation Limit

fd = duplicate sample

<xx = Analyte not detected above the indicated detection limit

J = Estimated value

U, V, or X = Data are qualified due to a detection in an associated equipment blank, trip blank, method blank, or other QC issue (1.3U, 1.3V, or 1.3X means <1.3 µg/l).

"V" indicates that the detection limit for the qualified data is higher than the instrument detection limit for the analyte.

"X" indicates that the detection limit for the qualified data was raised to the EQL for the analyte.

Volatile fuel hydrocarbons are analyzed using the California Department of Health Services (DHS) LUFT method.

TABLE 4b. SUMMARY OF PRELIMINARY QC SAMPLE RESULTS, Third Quarter 2006 - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Sample ID No.	Sample Type	Sample Date	MTBE	TBA	TAME	DIPE	ETBE	1,2,4-TMB	1,3,5-TMB	Ethanol	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Volatile Fuel Hydrocarbons	
			EPA Method 8260B													C6-C12	C4-C12
			EQL (µg/l):			2.0	25	2.0	2.0	2.0	1.0	1.0	150	0.50	1.0	1.0	1.0
mwm1-060721-eb	eb	7/21/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	0.87	0.68J	<0.35	<0.38	<0.21	<48	<48
mwm1-060721-ab	ab	7/21/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
mwm2-060720-tb	tb	7/20/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
mwm2-060720-eb	eb	7/20/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	0.59	0.28J	<0.35	<0.38	<0.21	<48	<48
mwm2-060720-ab	ab	7/20/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
mwm3-060720-eb	eb	7/20/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	2.1	0.92J	<0.35	<0.38	<0.21	<48	<48
mwm3-060720-ab	ab	7/20/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw3-060711-eb	eb	7/11/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw3-060711-ab	ab	7/11/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw6-060724-tb	tb	7/24/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	0.19UJ	<54	<0.26	<0.17	<0.35	0.38UJ	<0.21		
rmw6-060724-eb	eb	7/24/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	0.76	0.58J	<0.35	<0.38	<0.21	<48	<48
rmw6-060724-ab	ab	7/24/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw9-060711-tb	tb	7/11/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw9-060711-eb	eb	7/11/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw9-060711-ab	ab	7/11/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw10-060711-eb	eb	7/11/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw11-060717-eb	eb	7/17/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw11-060717-ab	ab	7/17/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw12-060717-eb	eb	7/17/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw14-060710-eb	eb	7/10/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw15-060710-tb	tb	7/10/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw15-060710-eb	eb	7/10/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw15-060710-ab	ab	7/10/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw16a-060710-eb	eb	7/10/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw19-060717-tb	tb	7/17/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw19-060717-eb	eb	7/17/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw19-060717-ab	ab	7/17/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw20-060717-eb	eb	7/17/06	0.61J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw21-060714-tb	tb	7/14/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw21-060714-eb	eb	7/14/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	59J	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw21-060714-ab	ab	7/14/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw22-060714-eb	eb	7/14/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw23-060713-eb	eb	7/13/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	74J	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw23-060713-ab	ab	7/13/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		

TABLE 4b. SUMMARY OF PRELIMINARY QC SAMPLE RESULTS, Third Quarter 2006 - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Sample ID No.	Sample Type	Sample Date	MTBE	TBA	TAME	DIPE	ETBE	1,2,4-TMB	1,3,5-TMB	Ethanol	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Volatile Fuel Hydrocarbons	
			EPA Method 8260B													C6-C12	C4-C12
			EQL (µg/l):	2.0	25	2.0	2.0	2.0	1.0	1.0	150	0.50	1.0	1.0	1.0	1.0	50
rmw24-060713-eb	eb	7/13/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw25-060714-eb	eb	7/14/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw25-060714-ab	ab	7/14/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw48-060713-eb	eb	7/13/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw49-060713-tb	tb	7/13/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw49-060713-eb	eb	7/13/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw49-060713-ab	ab	7/13/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw50-060712-eb	eb	7/12/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw50-060712-ab	ab	7/12/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw51-060712-eb	eb	7/12/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw52-060721-tb	tb	7/21/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw52-060721-eb	eb	7/21/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	1.5	1.3	<0.35	<0.38	<0.21	<48	<48
rmw52-060721-ab	ab	7/21/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw54-060712-tb	tb	7/12/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw54-060712-eb	eb	7/12/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw54-060712-ab	ab	7/12/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw55-060712-eb	eb	7/12/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw56-060718-tb	tb	7/18/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21		
rmw56-060718-eb	eb	7/18/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw56-060718-ab	ab	7/18/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw57-060718-eb	eb	7/18/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw58-060718-eb	eb	7/18/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw58-060718-ab	ab	7/18/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rmw59-060718-eb	eb	7/18/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rpz8-060727-eb	eb	7/27/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	0.18J	<0.35	<0.38	<0.21	<48	<48
rpz8-060727-ab	ab	7/27/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	<0.17	<0.35	<0.38	<0.21	<48	<48
rpz9-060727-eb	eb	7/27/06	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.19	<54	<0.26	0.26J	<0.35	<0.38	<0.21	<48	<48

TABLE 4b. SUMMARY OF PRELIMINARY QC SAMPLE RESULTS, Third Quarter 2006 - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Sample ID No.	Sample Type	Sample Date	MTBE	TBA	TAME	DIPE	ETBE	1,2,4-TMB	1,3,5-TMB	Ethanol	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Volatile Fuel Hydrocarbons	
			EPA Method 8260B													C6-C12	C4-C12
			EQL (µg/l):														
			2.0	25	2.0	2.0	2.0	1.0	1.0	150	0.50	1.0	1.0	1.0	1.0	50	50

Notes:

ab =	Atmospheric blank	TBA =	Tert-Butyl Alcohol
eb =	Equipment blank	TAME =	Tert-Amyl Methyl Ether
tb =	Trip blank	DIPE =	Di-isopropyl Ether
na =	Not analyzed	ETBE =	Ethyl tert-Butyl Ether
J =	Estimated value		
UJ =	The analyte was analyzed for, but it was not detected and the sample detection limit is an estimated quantity.		
X=	The analyte was analyzed for, but it was not detected and the sample detection limit was raised to the EQL for the analyte.		

TABLE 5a. SUMMARY OF NATURAL ATTENUATION PARAMETER TESTING RESULTS - SHALLOW AQUIFER
Third Quarter 2006
Charnock Sub-Basin; Los Angeles, California

WELL NAME		RMW-10	RMW-12	RMW-20	RMW-22	RMW-24	RMW-25	RMW-48
Sample Date		7/11/06	7/17/06	7/17/06	7/14/06	7/13/06	7/14/06	7/13/06
Fuel Constituents								
	<i>Units</i>							
MTBE	µg/l	11	560	92	32	1.1 J	260 J	5.1
TBA	µg/l	<3.9	<20	<3.9	<3.9	<3.9	<3.9	<3.9
Natural Attenuation Parameters								
Dissolved Oxygen*	mg/l	1.86	1.71	1.34	0.96	1.22	2.63	1.82
Oxidation Reduction Potential*	mV	-44	18	23	-39	-8	-79	-21
Nitrate as N	mg/l	0.04 J	2.2	2.0	4.9	4.7	<0.028	4.6
Nitrite as N	mg/l	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Ferrous Iron	mg/l	0.275	<0.00784	0.00895 J	0.049 J	<0.00784	4.04	<0.00784
Sulfate	mg/l	290	200	430	160	280	370	210
Sulfide	mg/l	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042
Total Alkalinity	mg/l	360	370	310	350	280	350	250
Total Organic Carbon	mg/l	1.7V	1.6V	1.9V	1.8V	1.4V	1.8V	1.3V
Carbon Dioxide	mg/l	23.8	17.0	43.4	2.14V	2.65V	4.76	5.59
Methane	µg/l	6.74	0.03V	<0.00784	0.32 J	3.42	1.26	17.3

Notes:

* Measured in the field using a flow-through-cell.

µg/l = micrograms per liter (parts per billion)

mg/l = milligrams per liter (parts per million)

mV = millivolts

J = Estimated value

U, V, or X = Data are qualified due to a detection in an associated equipment blank, trip blank, method blank, or other QC issue (1.3U, 1.3V, or 1.3 X mean <1.3).

"V" indicates that the detection limit for the qualified data is higher than the instrument detection limit for the analyte.

"X" indicates that the detection limit for the qualified data was raised to the Estimated Quantitation Limit (EQL) for the analyte.

TABLE 5a. SUMMARY OF NATURAL ATTENUATION PARAMETER TESTING RESULTS - SHALLOW AQUIFER
Third Quarter 2006
Charnock Sub-Basin; Los Angeles, California

WELL NAME		RMW-51	RMW-55	RMW-57	RMW-59	RPZ-9
Sample Date		7/12/06	7/12/06	7/18/06	7/18/06	7/27/06
<i>Fuel Constituents</i>		<i>Units</i>				
MTBE	µg/l	<0.29	120	<0.29	<0.29	0.95 J
TBA	µg/l	<3.9	<3.9	<3.9	<3.9	<3.9
<i>Natural Attenuation Parameters</i>						
Dissolved Oxygen*	mg/l	2.80	2.26	1.33	1.15	3.95
Oxidation Reduction Potential*	mV	-20	-47	-16	-79	38
Nitrate as N	mg/l	5.0	0.041 J	<0.028	<0.028	5.4
Nitrite as N	mg/l	<0.015	<0.015	<0.015	<0.015	<0.015
Ferrous Iron	mg/l	<0.00784	<0.00784	0.052 J	0.718	<0.00784
Sulfate	mg/l	320	380	520	630	140
Sulfide	mg/l	<0.042	<0.042	<0.042	<0.042	<0.042
Total Alkalinity	mg/l	280	380	430	450	270
Total Organic Carbon	mg/l	1.5V	2.3V	2.3	2.5V	1.8V
Carbon Dioxide	mg/l	25.9	23.4	26	39	34.3
Methane	µg/l	1X	6.28	8.22	7.19	0.39V

Notes:

* Measured in the field using a flow-through-cell.

µg/l = micrograms per liter (parts per billion)

mg/l = milligrams per liter (parts per million)

mV = millivolts

J = Estimated value

U, V, or X = Data are qualified due to a detection in an associated equipment blank, trip blank, method blank, or other QC issue (1.3U, 1.3V, or 1.3 X mean <1.3).

"V" indicates that the detection limit for the qualified data is higher than the instrument detection limit for the analyte.

"X" indicates that the detection limit for the qualified data was raised to the Estimated Quantitation Limit (EQL) for the analyte.

TABLE 5b. SUMMARY OF NATURAL ATTENUATION PARAMETER TESTING RESULTS - UPPER SILVERADO AQUIFER
Third Quarter 2006
Charnock Sub-Basin; Los Angeles, California

WELL NAME Sample Date		MWM-1	MWM-2	MWM-3	RMW-6	RMW-6	RMW-9	RMW-19	RMW-21	RMW-23
		7/21/06	7/20/06	7/20/06	7/24/06	FD 7/24/06	7/11/06	7/17/06	7/14/06	7/13/06
Fuel Constituents	<i>Units</i>									
MTBE	µg/l	11	14	14	1.2 J	1.2 J	<0.29	2,400 J	5.5	1.2 J
TBA	µg/l	130	55	<3.9	1,300 J	1,300 J	<3.9	740	<3.9	<3.9
Natural Attenuation Parameters										
Dissolved Oxygen*	mg/l	1.29	0.63 (1.49)	0.71	1.22	--	2.62	2.21	2.33	2.00
Oxidation Reduction Potential*	mV	-127	-73 (-90)	-124	-71	--	47	-52	31	-11
Nitrate as N	mg/l	<0.028	0.12V	0.077V	<0.028	<0.028	1.4	0.47	4.4	4.7
Nitrite as N	mg/l	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Ferrous Iron	mg/l	<0.00784	0.928B	0.00925V	1.62	1.95	0.0477V	1.1	<0.00784	<0.00784
Sulfate	mg/l	210	190	200	200	180	290	370	140	190
Sulfide	mg/l	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042
Total Alkalinity	mg/l	320	320	320	310	310	380	360	270	300
Total Organic Carbon	mg/l	2V	2.3V	2.2V	2.2V	2.3V	1.8V	2.2V	2V	1.3V
Carbon Dioxide	mg/l	14.3	17.9	8.39	72.4	76.2	25.4	2.1V	1.22V	3.48V
Methane	µg/l	129	5.91	12.5	1.0	1.1	1.36	1.35	0.13V	0.15V

Notes:

* Measured in the field using a flow-through-cell. Values shown in parentheses were measured during low flow purge test.

µg/l = micrograms per liter (parts per billion)

mg/l = milligrams per liter (parts per million)

mV = millivolts

J = Estimated value

U, V, or X = Data are qualified due to a detection in an associated equipment blank, trip blank, method blank, or other QC issue (1.3U, 1.3V, or 1.3 X mean <1.3).

"V" indicates that the detection limit for the qualified data is higher than the instrument detection limit for the analyte.

"X" indicates that the detection limit for the qualified data was raised to the Estimated Quantitation Limit (EQL) for the analyte.

TABLE 5b. SUMMARY OF NATURAL ATTENUATION PARAMETER TESTING RESULTS - UPPER SILVERADO AQUIFER
Third Quarter 2006
Charnock Sub-Basin; Los Angeles, California

WELL NAME Sample Date		RMW-50 7/12/06	RMW-52 7/21/2006	RMW-54 7/12/2006	RMW-56 7/18/2006	RMW-58 7/18/2006	RPZ-8 7/27/2006
Fuel Constituents	<i>Units</i>						
MTBE	µg/l	3.3	38	57	11	<0.29	2.5
TBA	µg/l	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9
Natural Attenuation Parameters							
Dissolved Oxygen*	mg/l	1.71	1.18 (1.67)	3.29	1.48	1.77	1.24
Oxidation Reduction Potential*	mV	-99	-109 (-100)	-59	-51	-49	-101
Nitrate as N	mg/l	<0.028	<0.028	0.14V	<0.028	<0.028	0.076V
Nitrite as N	mg/l	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Ferrous Iron	mg/l	0.0427 J	<0.00784	0.233	0.092 J	0.22	0.0373 J
Sulfate	mg/l	160	160	320	410	490	300
Sulfide	mg/l	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042
Total Alkalinity	mg/l	290	290	310	400	410	260
Total Organic Carbon	mg/l	1.4V	1.7V	1.9V	2.3	2.3V	2.3
Carbon Dioxide	mg/l	4.95	12.0	16.7	17.0	38.6	12.9
Methane	µg/l	1X	10.6	3.34	17.4	7.7	12.4

Notes:

* Measured in the field using a flow-through-cell. Values shown in parentheses were measured during low flow purge test.

µg/l = micrograms per liter (parts per billion)

mg/l = milligrams per liter (parts per million)

mV = millivolts

J = Estimated value

U, V, or X = Data are qualified due to a detection in an associated equipment blank, trip blank, method blank, or other QC issue (1.3U, 1.3V, or 1.3 X mean <1.3).

"V" indicates that the detection limit for the qualified data is higher than the instrument detection limit for the analyte.

"X" indicates that the detection limit for the qualified data was raised to the Estimated Quantitation Limit (EQL) for the analyte.

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
MWM-1	Upper Silverado	1/18/00	8260a	220	5.0J	<2	<2	<2								
MWM-1	Upper Silverado	1/18/00	8020	230					<1	1.4J	<1			16	53	
MWM-1	Upper Silverado	1/27/00	8260a	200	54	<2	<2	<2								
MWM-1	Upper Silverado	1/27/00	8020	150					<1	6.6	<1			25	150	
MWM-1	Upper Silverado	4/26/00	8260a	240	14J	<2	<2	<2								
MWM-1	Upper Silverado	4/26/00	8020	240					<1	1.8J	<1			14	69	
MWM-1	Upper Silverado	12/12/00	8260b	120J	<5	<0.68	<0.5	<2	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	13U	
MWM-1	Upper Silverado	1/26/01	8260b	120	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
MWM-1	Upper Silverado	5/3/01	8260b	150	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	59J
MWM-1	Upper Silverado	7/27/01	8260b	140	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		59J
MWM-1	Upper Silverado	10/26/01	8260b	140	6.8J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	63J
MWM-1 (dup)	Upper Silverado	10/26/01	8260b	170	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	64J
MWM-1	Upper Silverado	1/15/02	8260b	180	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	68J
MWM-1	Upper Silverado	4/16/02	8260b	330	38	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	99J
MWM-1	Upper Silverado	7/18/02	8260b	410	7.4J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	19J	170
MWM-1	Upper Silverado	9/30/02	8260b	270J	8.8J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-1	Upper Silverado	10/17/02	8260b	320	6.1J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	13J	130
MWM-1 (dup)	Upper Silverado	10/17/02	8260b	290	6.1J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	16	<50
MWM-1	Upper Silverado	12/19/02	8260b	330J	23J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
MWM-1	Upper Silverado	1/16/03	8260b	490	100J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	120
MWM-1	Upper Silverado	3/11/03	8260b	350	33J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-1	Upper Silverado	3/27/03	8260b	390	77J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-1	Upper Silverado	4/17/03	8260b	380	35J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	160
MWM-1	Upper Silverado	5/29/03	8260b	280	53	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-1	Upper Silverado	6/26/03	8260b	500	70	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32		
MWM-1	Upper Silverado	7/17/03	8260b	420	120J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	<44
MWM-1	Upper Silverado	8/28/03	8260b	410	100J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
MWM-1	Upper Silverado	10/2/03	8260b	450	93J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
MWM-1	Upper Silverado	10/16/03	8260b	490	69J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	140
MWM-1	Upper Silverado	1/15/04	8260b	380	160J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	<44
MWM-1 (dup)	Upper Silverado	1/15/04	8260b	350	160J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	<44
MWM-1	Upper Silverado	4/15/04	8260b	290	110J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	140
MWM-1 (dup)	Upper Silverado	4/15/04	8260b	270	110J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	140

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
MWM-1	Upper Silverado	1/13/05	8260b	58	290	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
MWM-1 (dup)	Upper Silverado	1/13/05	8260b	77	340	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
MWM-1	Upper Silverado	4/14/05	524.2	110	260	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
MWM-1	Upper Silverado	7/14/05	8260b	120	220	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	86
MWM-1 (dup)	Upper Silverado	7/14/05	8260b	110	250	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	73
MWM-1	Upper Silverado	10/19/05	8260b	42	230	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
MWM-1	Upper Silverado	4/19/06	524.2	13J	76J	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
MWM-1	Upper Silverado	7/21/06	8260b	11	230	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
MWM-2	Upper Silverado	1/25/00	8260a	86	<5	<2	<2	<2								
MWM-2	Upper Silverado	1/25/00	8020	56					<1	<1	<1			12	49	
MWM-2	Upper Silverado	1/27/00	8260a	64	15	<2	<2	<2								
MWM-2	Upper Silverado	1/27/00	8020	65					<1	5.9	<1			23	140	
MWM-2	Upper Silverado	4/28/00	8260a	31	<5	<2	<2	<2								
MWM-2	Upper Silverado	4/28/00	8020	28					<1	2.7	<1			9.0	91	
MWM-2	Upper Silverado	12/12/00	8260b	99J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	12U	
MWM-2	Upper Silverado	1/16/01	8260b	140	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
MWM-2	Upper Silverado	4/18/01	8260b	100	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
MWM-2	Upper Silverado	5/30/01	8260b	1,000	30	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	6/27/01	8260b	1,300	130	<0.68	<0.5	<0.57	<0.11	<0.18	0.11J	<0.69	<0.14	<0.82		
MWM-2 (dup)	Upper Silverado	6/27/01	8260b	1,300	150	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	7/25/01	8260b	1,000	28	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		450
MWM-2	Upper Silverado	10/31/01	8260b	620	48	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	110
MWM-2	Upper Silverado	11/28/01	8260b	670J	8.8J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2 (dup)	Upper Silverado	11/28/01	8260b	650J	9.3J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	12/26/01	8260b	480	22J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2 (dup)	Upper Silverado	12/26/01	8260b	330	16J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	1/30/02	8260b	580	26	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	110J
MWM-2	Upper Silverado	2/27/02	8260b	560	23J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	3/27/02	8260b	460	66	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	4/24/02	8260b	520	58	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	90J
MWM-2	Upper Silverado	5/29/02	8260b	400	76	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	6/26/02	8260b	410	100	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	7/31/02	8260b	220	66	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
MWM-2	Upper Silverado	8/28/02	8260b	240	120	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
MWM-2	Upper Silverado	9/25/02	8260b	150J	50	0.68UJ	0.5UJ	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	10/30/02	8260b	140J	61	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	58J
MWM-2	Upper Silverado	11/27/02	8260b	220	70	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
MWM-2	Upper Silverado	12/18/02	8260b	130	65J	0.33UJ	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
MWM-2	Upper Silverado	1/29/03	8260b	72	51J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
MWM-2	Upper Silverado	2/26/03	8260b	110	47J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2 (dup)	Upper Silverado	2/26/03	8260b	110	43J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	3/26/03	8260b	93	110J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	4/30/03	8260b	39	78J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2 (dup)	Upper Silverado	4/30/03	8260b	36	55J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2	Upper Silverado	5/28/03	8260b	46	41J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2 (dup)	Upper Silverado	5/28/03	8260b	46	42J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	6/25/03	8260b	47	80	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	7/30/03	8260b	25	60	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2	Upper Silverado	8/27/03	8260b	32	44	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2 (dup)	Upper Silverado	8/27/03	8260b	32	50	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	9/24/03	8260b	31	87	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	10/29/03	8260b	30	91	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2 (dup)	Upper Silverado	10/29/03	8260b	32	94	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2	Upper Silverado	1/28/04	8260b	5.5	17J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	0.26J	0.17J	0.43J	<44	<44
MWM-2	Upper Silverado	4/28/04	8260b	1.6J	15J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2	Upper Silverado	1/26/05	8260b	13	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
MWM-2	Upper Silverado	4/27/05	524.2	8.4	30	<0.32	<0.27	<0.33	<0.049	<0.029	0.053J	<0.069	<0.034	--	<44	<44
MWM-2	Upper Silverado	7/27/05	8260b	7.7	74	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
MWM-2	Upper Silverado	10/19/05	8260b	2.3	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
MWM-2	Upper Silverado	4/19/06	524.2	0.61	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.11J	<0.03	<0.016	--	<44	<44
MWM-2	Upper Silverado	7/20/06	8260b	14	55	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
MWM-3	Upper Silverado	2/11/00	8260a	93	<5	<2	<2	<2	<1	<1	<1			<1	<10	
MWM-3	Upper Silverado	2/11/00	8020	50												
MWM-3	Upper Silverado	4/26/00	8260a	100	7.2J	<2	<2	<2	<1	1.5J	<1			11	58	
MWM-3	Upper Silverado	4/26/00	8020	120												
MWM-3	Upper Silverado	12/12/00	8260b	130J	9.4J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	13U	
MWM-3	Upper Silverado	1/26/01	8260b	87	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
MWM-3	Upper Silverado	5/3/01	8260b	140	13J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	63J

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)											VOLATILE FUEL HYDROCARBONS EPA Method 8015M		
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
MWM-3	Upper Silverado	7/27/01	8260b	200	5.6J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		79J
MWM-3	Upper Silverado	10/26/01	8260b	220	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	72J
MWM-3	Upper Silverado	1/15/02	8260b	290	48	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	93J
MWM-3	Upper Silverado	4/16/02	8260b	560	63	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	160V
MWM-3	Upper Silverado	7/18/02	8260b	130	30	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	69J
MWM-3	Upper Silverado	9/30/02	8260b	150	28	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-3 (dup)	Upper Silverado	9/30/02	8260b	160	26	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-3	Upper Silverado	10/17/02	8260b	200	43	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	10J	96J
MWM-3 (dup)	Upper Silverado	10/17/02	8260b	190	44	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	11J	99J
MWM-3	Upper Silverado	11/27/02	8260b	190	51	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
MWM-3	Upper Silverado	12/19/02	8260b	470	160	0.33UJ	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
MWM-3	Upper Silverado	1/16/03	8260b	150J	44	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	60J
MWM-3 (dup)	Upper Silverado	1/16/03	8260b	160J	43	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
MWM-3	Upper Silverado	3/11/03	8260b	110	76J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	3/27/03	8260b	41	52J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	4/17/03	8260b	76	48J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3	Upper Silverado	5/29/03	8260b	170	180	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3 (dup)	Upper Silverado	5/29/03	8260b	170	170	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	6/26/03	8260b	190	230	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	7/17/03	8260b	180J	240	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3 (dup)	Upper Silverado	7/17/03	8260b	190	230	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3	Upper Silverado	8/28/03	8260b	110	210	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	9/25/03	8260b	150	230	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	10/16/03	8260b	130	240	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	54
MWM-3	Upper Silverado	1/15/04	8260b	18	59J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3	Upper Silverado	4/15/04	8260b	2.2	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3 (dup)	Upper Silverado	4/15/04	8260b	2.3	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3	Upper Silverado	1/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
MWM-3 (dup)	Upper Silverado	1/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
MWM-3	Upper Silverado	4/14/05	524.2	5.9	72	<0.32	<0.27	<0.33	<0.049	<0.029	0.053J	<0.069	<0.034	--	<44	<44
MWM-3	Upper Silverado	7/14/05	8260b	11	90	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
MWM-3	Upper Silverado	10/19/05	8260b	10	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
MWM-3	Upper Silverado	4/19/06	524.2	0.21J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--	<44	<44
MWM-3	Upper Silverado	7/20/06	8260b	14	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	0.72J	0.59J	0.54J	--	<48	<48

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl- benzene	Toluene	m,p- Xylenes	o- Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-1	Shallow	4/15/97	8020-conf	<2					<0.3	<0.2	0.51J	<0.8	<0.3	<0.5		
RMW-1	Shallow	4/15/97	8020	<2					<0.3	<0.2	0.74J	<0.8	<0.3	<0.5		
RMW-1	Shallow	7/2/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	7/2/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	9/18/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	9/18/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	10/29/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	10/29/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	2/10/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	2/10/98	8020	2.7					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	2/10/98	8260a	<2	<3	<2	<0.4	<2								
RMW-1	Shallow	4/22/98	8020	<2					<1	<1	<1			<1		
RMW-1	Shallow	4/22/98	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	7/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-1	Shallow	7/28/98	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	10/26/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-1	Shallow	10/26/98	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	1/25/99	8020	3J					<1	<1	<1	<2	<1	<2		
RMW-1	Shallow	1/25/99	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	4/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-1	Shallow	4/26/99	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	7/26/99	8020	160					<1	<1	<1	<1	<1	<1		
RMW-1	Shallow	7/26/99	8260a	150	<50	<2	<2	<2								
RMW-1	Shallow	8/6/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-1	Shallow	8/6/99	8260a	3.4J	<50	<2	<2	<2								
RMW-1 (dup)	Shallow	8/6/99	8020	5.3					<1	<1	<1	<1	<1	<1		
RMW-1 (dup)	Shallow	8/6/99	8260a	3.8J												
RMW-1	Shallow	9/21/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-1	Shallow	9/21/99	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	10/27/99	8260a	41	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-1 (dup)	Shallow	10/27/99	8260a	110	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-1	Shallow	4/26/00	8260a	27	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-1 (dup)	Shallow	4/26/00	8260a	22	12J	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-1	Shallow	7/26/00	8260b	5.9	11J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-1	Shallow	10/31/00	8260b	11	8.2J	<0.68	<0.5	<0.57	0.95	0.18J	2.8	1.3	0.65J	1.9J	20J	
RMW-1	Shallow	3/5/01	8260b	490	56J	<3.4	<2.5	<2.8	<0.55	<0.9	<0.47	<3.4	<0.7	<4.1		190
RMW-1	Shallow	5/1/01	8260b	74	91	<0.68	<0.5	<0.57	<0.11	<0.18	0.1VJ	<0.69	<0.14	<0.82	<10	<50
RMW-1	Shallow	7/17/01	8260b	5.3	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-1	Shallow	11/28/01	8260b	57	29	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-1 (dup)	Shallow	11/28/01	8260b	52	29	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-1	Shallow	1/24/02	8260b	30	6.5J	<0.68	0.5UJ	<0.57	0.37J	0.56J	2.1V	3	0.86J	3.9	10J	<50
RMW-1 (dup)	Shallow	1/24/02	8260b	74	13J	<0.68	0.5UJ	<0.57	0.19J	0.3J	1XJ	1.5	0.47J	2	<10	<50
RMW-1	Shallow	4/25/02	8260b	20	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-1	Shallow	7/25/02	8260b	5.9	<5	<0.68	<0.5	<0.57	0.13J	<0.18	0.13J	<0.69	<0.14	<0.82	50XJ	<50
RMW-1	Shallow	10/23/02	8260b	0.99J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-1 (dup)	Shallow	10/23/02	8260b	0.48J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-1	Shallow	1/23/03	8260b	2.4	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-1	Shallow	4/22/03	8260b	3.9	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1	Shallow	7/22/03	8260b	0.74J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1 (dup)	Shallow	7/22/03	8260b	0.66J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1	Shallow	10/21/03	8260b	0.73J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1	Shallow	1/20/04	8260b	2.3	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1	Shallow	4/20/04	8260b	3.1	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1	Shallow	4/19/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-1	Shallow	4/12/06	524.2	3.9	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.1J	0.22J	<0.016	--	<48	<48
RMW-2A	Lower Silverado	4/15/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	4/15/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A (dup)	Lower Silverado	4/15/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A (dup)	Lower Silverado	4/15/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	7/2/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	7/2/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	9/18/97	8020-conf	<2					<0.3	<0.2	0.31J	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	9/18/97	8020	<2					<0.3	<0.2	0.39J	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	10/29/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	10/29/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	2/10/98	8020-conf	8.6					<0.3	<0.2	0.4	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	2/10/98	8020	6.7					<0.3	<0.2	0.42	<0.8	<0.3	<0.5		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-2A	Lower Silverado	4/22/98	8020	<2					<1	<1	<1			<1		
RMW-2A	Lower Silverado	4/22/98	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	7/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-2A	Lower Silverado	7/28/98	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	10/26/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-2A	Lower Silverado	10/26/98	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	1/25/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-2A	Lower Silverado	1/25/99	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	4/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-2A	Lower Silverado	4/26/99	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	7/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-2A	Lower Silverado	7/26/99	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	10/27/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-2A	Lower Silverado	2/23/00	8260a	<2	<5	<2	<2	<2	1.0J	<1	2.6	<2	<1	<2		
RMW-2A	Lower Silverado	4/26/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-2A	Lower Silverado	7/26/00	8260a	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-2A (dup)	Lower Silverado	7/26/00	8260a	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-2A	Lower Silverado	10/31/00	8260b	0.61J	<5	<0.68	<0.5	<0.57	1.1	<0.18	3.3	1.1	0.52J	1.6J	24J	
RMW-2A	Lower Silverado	3/5/01	8260b	5.3	<5	<0.68	<0.5	<0.57	0.15J	<0.18	<0.093	<0.69	<0.14	<0.82		200
RMW-2A	Lower Silverado	5/1/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-2A	Lower Silverado	7/17/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-2A	Lower Silverado	10/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-2A (dup)	Lower Silverado	10/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-2A	Lower Silverado	1/24/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	1XJ	1XJ	2XJ	<10	<50
RMW-2A	Lower Silverado	4/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.28J	<0.69	<0.14	<0.82	50XJ	<50
RMW-2A (dup)	Lower Silverado	4/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.2J	<0.69	<0.14	<0.82	50XJ	<50
RMW-2A	Lower Silverado	7/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-2A	Lower Silverado	10/23/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.5	<0.14	<0.82	<10	<50
RMW-2A	Lower Silverado	1/23/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-2A	Lower Silverado	4/22/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-2A	Lower Silverado	7/22/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-2A	Lower Silverado	10/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-2A	Lower Silverado	1/20/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-2A	Lower Silverado	4/20/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-2A	Lower Silverado	4/19/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	-	<44	<44
RMW-2A	Lower Silverado	4/12/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	0.091J	<0.016	--	<48	<48
RMW-3	Upper Silverado	5/7/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	5/7/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	7/1/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	7/1/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	9/17/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	9/17/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	10/28/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	10/28/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	10/28/97	8260a	<2	<3	<2	<0.4	<2								
RMW-3	Upper Silverado	2/10/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	2/10/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	2/10/98	8260a	<2	<3	<2	<0.4	<2								
RMW-3	Upper Silverado	4/21/98	8020	<2					<1	<1	<1			<1		
RMW-3	Upper Silverado	4/21/98	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	7/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-3	Upper Silverado	7/28/98	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	10/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-3	Upper Silverado	10/27/98	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	1/26/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-3	Upper Silverado	1/26/99	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	4/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-3	Upper Silverado	4/27/99	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	7/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-3	Upper Silverado	7/27/99	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	10/28/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-3	Upper Silverado	2/22/00	8260a	<2	<5	<2	<2	<2	<1	<1	1.8J	<2	<1	<2		
RMW-3	Upper Silverado	4/26/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-3	Upper Silverado	7/25/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	16J	
RMW-3	Upper Silverado	10/31/00	8260b	9.6	<5	<0.68	<0.5	<0.57	9.2	2.5	33	18	9.8	28	100	
RMW-3	Upper Silverado	1/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-3 (dup)	Upper Silverado	1/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-3	Upper Silverado	6/8/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.13J	<0.18	0.39J	<0.69	0.19J	<0.82		
RMW-3 (dup)	Upper Silverado	6/8/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.15J	<0.18	0.39J	<0.69	0.22J	<0.82		
RMW-3	Upper Silverado	7/17/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-3	Upper Silverado	10/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	14J	<50
RMW-3	Upper Silverado	1/31/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.23J	<0.69	<0.14	<0.82	15J	<50
RMW-3	Upper Silverado	4/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.19J	1XJ	<0.69	<0.14	<0.82	39J	<50
RMW-3 (dup)	Upper Silverado	4/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.2J	1XJ	<0.69	<0.14	<0.82	46J	<50
RMW-3	Upper Silverado	7/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	14J	<50
RMW-3	Upper Silverado	11/6/02	8260b	0.28UJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-3	Upper Silverado	2/3/03	8260b	0.33UJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	50UJ
RMW-3	Upper Silverado	4/21/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-3	Upper Silverado	7/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-3	Upper Silverado	10/20/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-3	Upper Silverado	2/10/04	8260b	0.5J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	0.41J	0.27J	<0.16	0.27J	<44	<44
RMW-3	Upper Silverado	4/19/04	8260b	0.63J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-3 (dup)	Upper Silverado	4/19/04	8260b	0.57J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-3	Upper Silverado	4/18/05	524.2	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-3	Upper Silverado	7/19/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	44J
RMW-3	Upper Silverado	10/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-3 (dup)	Upper Silverado	10/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-3	Upper Silverado	4/11/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.12J	0.091J	<0.016	--	<44	<44
RMW-3 (dup)	Upper Silverado	4/11/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.091J	<0.03	<0.016	--	<44	<44
RMW-3	Upper Silverado	7/21/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-4A	Shallow	5/7/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	5/7/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	7/1/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	7/1/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	9/17/97	8020-conf	<2					<0.3	<0.2	0.3J	<0.8	<0.3	<0.5		
RMW-4A	Shallow	9/17/97	8020	<2					<0.3	<0.2	0.31J	<0.8	<0.3	<0.5		
RMW-4A	Shallow	10/29/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	10/29/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-4A	Shallow	2/10/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	2/10/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	2/10/98	8260a	<2	<3	<2	<0.4	<2								
RMW-4A	Shallow	4/21/98	8020	<2					<1	<1	<1			<1		
RMW-4A	Shallow	4/21/98	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	7/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-4A	Shallow	7/28/98	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	10/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-4A	Shallow	10/27/98	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	1/26/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-4A	Shallow	1/26/99	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	4/27/99	8020	2J					<1	<1	<1	<1	<1	<1		
RMW-4A	Shallow	4/27/99	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	7/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-4A	Shallow	7/27/99	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	10/28/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-4A	Shallow	2/22/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-4A	Shallow	4/26/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-4A	Shallow	7/26/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-4A	Shallow	10/31/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-4A	Shallow	1/23/01	8260b	<0.28	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-4A	Shallow	4/17/01	8260b	<0.28	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	<50
RMW-4A (dup)	Shallow	4/17/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-4A	Shallow	7/17/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-4A (dup)	Shallow	7/17/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-4A	Shallow	11/7/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.1J	<0.69	<0.14	<0.82	<10	<50
RMW-4A	Shallow	1/31/02	8260b	<0.28	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-4A	Shallow	4/18/02	8260b	<0.28	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-4A	Shallow	7/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-4A	Shallow	11/6/02	8260b	0.28UJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-4A	Shallow	2/3/03	8260b	0.33UJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-4A	Shallow	4/21/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-4A	Shallow	7/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-4A (dup)	Shallow	7/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-4A	Shallow	10/20/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-4A	Shallow	2/10/04	8260b	1.7J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	0.75J	0.54J	0.19J	0.73J	<44	<44
RMW-4A	Shallow	4/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-4A	Shallow	4/18/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-4A	Shallow	4/11/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-4A (dup)	Shallow	4/11/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--		
RMW-5	Upper Silverado	4/24/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	4/24/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	5/7/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	5/7/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	7/2/97	8260a	<2					<0.2	<0.3	<0.3	<0.8	<0.3	<2		
RMW-5	Upper Silverado	9/18/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	9/18/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	10/29/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	10/29/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	2/10/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	2/10/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	2/10/98	8260a	<2	<3	<2	<0.4	<2								
RMW-5	Upper Silverado	4/22/98	8020	<2					<1	<1	<1			<1		
RMW-5	Upper Silverado	4/22/98	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	7/30/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-5	Upper Silverado	7/30/98	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	10/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-5	Upper Silverado	10/27/98	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	1/26/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-5	Upper Silverado	1/26/99	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	4/29/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-5	Upper Silverado	4/29/99	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	7/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-5	Upper Silverado	7/27/99	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	10/29/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-5	Upper Silverado	2/23/00	8260a	<2	<5	<2	<2	<2	1.4J	<1	4	<2	<1	<2		
RMW-5	Upper Silverado	4/26/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-5	Upper Silverado	7/26/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl- benzene	Toluene	m,p- Xylenes	o- Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-5	Upper Silverado	11/3/00	8260b	0.91UJ	<5	<0.68	<0.5	<0.57	1.1	<0.18	4.0	1.9	0.91J	2.8	31U	
RMW-5	Upper Silverado	1/26/01	8260b	0.52J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	0.83J	<10	
RMW-5	Upper Silverado	4/18/01	8260b	0.38J	<5	<0.68	<0.5	<0.57	0.24J	<0.18	0.46J	<0.69	<0.14	<0.82	<10	<50
RMW-5	Upper Silverado	7/25/01	8260b	0.34J	<5	<0.68	<0.5	<0.57	0.31J	<0.18	0.2J	<0.69	<0.14	<0.82		<50
RMW-5	Upper Silverado	11/7/01	8260b	<0.28	<5	0.68UJ	<0.5	<0.57	0.2J	<0.18	0.16J	<0.69	<0.14	<0.82	<10	<50
RMW-5	Upper Silverado	1/30/02	8260b	1.1J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.28VJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-5	Upper Silverado	4/24/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	0.14J	1XJ	1.3V	2.3V	1XJ	3V	50XJ	<50
RMW-5	Upper Silverado	7/31/02	8260b	0.75J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-5	Upper Silverado	10/30/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-5	Upper Silverado	1/29/03	8260b	0.79J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-5	Upper Silverado	4/30/03	8260b	0.55J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-5	Upper Silverado	7/30/03	8260b	0.55J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-5	Upper Silverado	10/29/03	8260b	1.8J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-5	Upper Silverado	1/28/04	8260b	2.1	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-5	Upper Silverado	4/28/04	8260b	4.3	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-5	Upper Silverado	6/1/05	524.2	1X	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	0.053J	<0.069	<0.034	--	<44	<44
RMW-6	Upper Silverado	4/24/97	8260a	41					<0.2	<0.3	<0.3	<0.8	1J	<2		
RMW-6	Upper Silverado	4/24/97	8020-conf	36					<0.3	0.55J	<0.3	<0.8	1.1J	1.1J		
RMW-6	Upper Silverado	4/24/97	8020	40					<0.3	0.8J	<0.3	<0.8	1.6J	1.6J		
RMW-6	Upper Silverado	5/8/97	8260a	10					<0.2	<0.3	<0.3	<0.8	<0.3	<2		
RMW-6	Upper Silverado	5/8/97	8020-conf	36					<0.3	<0.2	<0.3	<0.8	<0.3			
RMW-6	Upper Silverado	5/8/97	8020	42					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	7/2/97	8260a	26					0.39J	<0.3	<0.3	<0.8	<0.3	<2		
RMW-6	Upper Silverado	7/2/97	8020-conf	30					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	7/2/97	8020	32					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	7/2/97	8020-conf	28					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	7/2/97	8020	30					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	9/18/97	8020-conf	36					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	9/18/97	8020	30					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.		Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)											VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
				EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl- benzene	Toluene	m,p- Xylenes	o- Xylene	Total Xylenes	
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-6 (dup)	Upper Silverado	9/18/97	8020-conf	41					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	9/18/97	8020	48					0.39J	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	9/18/97	8260a	34					0.28J	<0.3	<0.3	<0.8	<0.3	<2		
RMW-6	Upper Silverado	10/29/97	8260a	32					0.2J	<0.3	<0.3	<0.8	<0.3	<2		
RMW-6	Upper Silverado	10/29/97	8020-conf	38					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	10/29/97	8020	40					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	10/29/97	8020-conf	38					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	10/29/97	8020	39					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	2/11/98	8020-conf	46					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	2/11/98	8020	47					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	2/11/98	8260a	69	250	<2	<0.4	<2								
RMW-6 (dup)	Upper Silverado	2/11/98	8020-conf	44					<0.3	<0.2	<0.3	<0.8	<0.8	<0.5		
RMW-6 (dup)	Upper Silverado	2/11/98	8020	46					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	2/11/98	8260a	26	5	<2	<0.4	<2								
RMW-6	Upper Silverado	4/23/98	8020	35					<1	<1	<1			<1		
RMW-6	Upper Silverado	4/23/98	8020	22					<1	<1	<1			<1		
RMW-6	Upper Silverado	4/23/98	8260a	36	<50	<2	<2	<2								
RMW-6	Upper Silverado	4/23/98	8260a	19	<50	<2	<2	<2								
RMW-6 (dup)	Upper Silverado	4/23/98	8020	33					<1	<1	<1			<1		
RMW-6 (dup)	Upper Silverado	4/23/98	8260a	41	<50	<2	<2	<2								
RMW-6	Upper Silverado	7/30/98	8020	24					<1	<1	<1	<2	<1	<1		
RMW-6	Upper Silverado	7/30/98	8260a	27	<50	<2	<2	<2								
RMW-6 (dup)	Upper Silverado	7/30/98	8020	23					<1	<1	<1	<2	<1	<1		
RMW-6 (dup)	Upper Silverado	7/30/98	8260a	29	<50	<2	<2	<2								
RMW-6	Upper Silverado	10/27/98	8020	15					<1	<1	<1	<2	<1	<1		
RMW-6	Upper Silverado	10/27/98	8260a	21	<50	<2	<2	<2								
RMW-6 (dup)	Upper Silverado	10/27/98	8020	14					<1	<1	<1	<2	<1	<1		
RMW-6 (dup)	Upper Silverado	10/27/98	8260a	20	<50	<2	<2	<2								
RMW-6	Upper Silverado	1/26/99	8020	16					<1	<1	<1	<2	<1	<2		
RMW-6	Upper Silverado	1/26/99	8260a	9.7	<50	<2	<2	<2								
RMW-6	Upper Silverado	4/29/99	8020	15					<1	<1	<1	<1	<1	<1		
RMW-6	Upper Silverado	4/29/99	8260a	12	<50	<2	<2	<2								

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-6	Upper Silverado	7/27/99	8020	8.9					<1	<1	<1	<1	<1	<1		
RMW-6	Upper Silverado	7/27/99	8260a	14	<50	<2	<2	<2								
RMW-6 (dup)	Upper Silverado	7/27/99	8020	10					<1	<1	<1	<1	<1	<1		
RMW-6 (dup)	Upper Silverado	7/27/99	8260a	13	<50	<2	<2	<2								
RMW-6	Upper Silverado	10/29/99	8260a	11	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-6	Upper Silverado	2/23/00	8260a	39	<5	<2	<2	<2	1.0J	<1	2.6	<2	<1	<2		
RMW-6	Upper Silverado	4/27/00	8260a	70	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-6	Upper Silverado	7/27/00	8260a	52	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-6 (dup)	Upper Silverado	7/27/00	8260a	58	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	
RMW-6	Upper Silverado	11/3/00	8260b	46	<5	<0.68	<0.5	<0.57	1.2	<0.18	4.6	1.9	0.94J	2.9	23U	
RMW-6	Upper Silverado	1/16/01	8260b	33	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	0.88J	<0.14	1.4J	<10	
RMW-6	Upper Silverado	4/18/01	8260b	130	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.28J	<0.69	<0.14	<0.82	<10	<50
RMW-6	Upper Silverado	7/25/01	8260b	340	9.8J	<0.68	<0.5	<0.57	<0.11	<0.18	0.17J	<0.69	<0.14	<0.82		170
RMW-6	Upper Silverado	10/31/01	8260b	750	49	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	140
RMW-6	Upper Silverado	12/26/01	8260b	190	63	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	1/30/02	8260b	1,000	130	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	210J
RMW-6	Upper Silverado	2/27/02	8260b	790	110	<0.68	0.55J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	3/27/02	8260b	470	110	<0.68	0.54J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	4/24/02	8260b	600	96	<0.68	0.54J	<0.57	<0.11	<0.18	0.16J	<0.69	<0.14	<0.82	50XJ	87J
RMW-6	Upper Silverado	5/29/02	8260b	680	290	<0.68	0.77J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	6/26/02	8260b	880	350	<0.68	0.93J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	7/31/02	8260b	420	170	0.68UJ	0.84J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	170
RMW-6	Upper Silverado	8/28/02	8260b	630	440	<0.68	0.88J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	9/25/02	8260b	370	400	0.68UJ	0.76J	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6 (dup)	Upper Silverado	9/25/02	8260b	360	400	0.68UJ	0.80J	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	10/30/02	8260b	440J	540	<0.68	0.85J	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	130
RMW-6	Upper Silverado	11/27/02	8260b	250	900	<0.33	0.93J	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-6	Upper Silverado	12/18/02	8260b	110	2,900	0.33UJ	0.93J	0.61UJ	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-6 (dup)	Upper Silverado	12/18/02	8260b	130J	2,600	0.33UJ	0.93J	0.61UJ	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-6	Upper Silverado	1/29/03	8260b	51	3,700	<0.33	1.0J	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	50J
RMW-6	Upper Silverado	2/26/03	8260b	56	3,900J	<0.32	0.96J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-6 (dup)	Upper Silverado	2/26/03	8260b	55	3,900J	<0.32	0.96J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-6	Upper Silverado	3/26/03	8260b	19	5,100J	<0.32	0.92J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-6	Upper Silverado	4/30/03	8260b	14	4,600	<0.32	0.83J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-6	Upper Silverado	5/28/03	8260b	9.2	2,900J	<0.32	0.88J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-6	Upper Silverado	6/25/03	8260b	6.2J	4,100	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
RMW-6	Upper Silverado	7/30/03	8260b	9.6J	3,300	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	91
RMW-6	Upper Silverado	8/27/03	8260b	5.3J	2,200	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
RMW-6	Upper Silverado	9/24/03	8260b	5.5J	1,800	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
RMW-6 (dup)		9/24/03	8260b	6.1J	1,800	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
RMW-6	Upper Silverado	10/29/03	8260b	9.2J	1,900	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	69
RMW-6	Upper Silverado	1/28/04	8260b	1.8J	2,100J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	52
RMW-6	Upper Silverado	4/28/04	8260b	2.7J	2,800	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	<44
RMW-6	Upper Silverado	4/27/05	524.2	<1.4	1,400	<1.6	<1.3	<1.6	<0.25	<0.15	<0.19	<0.35	<0.17	--	<44	<44
RMW-6	Upper Silverado	7/27/05	8260b	<1.5	760	<1.6	<1.6	<1.9	<1.3	<0.87	<1.7	<1.9	<1.0	--	<44	<44
RMW-6	Upper Silverado	10/19/05	8260b	0.47J	980	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	58
RMW-6	Upper Silverado	4/19/06	524.2	<0.027	900J	<0.015	0.59J	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	48J
RMW-6	Upper Silverado	7/24/06	8260b	1.2J	1,300J	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-6 (dup)		7/24/06	8260b	1.2J	1,300J	<0.33	0.42J	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-7	Shallow	5/8/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	5/8/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	7/1/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	7/1/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	9/18/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	9/18/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	10/29/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	10/29/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	2/10/98	8020-conf						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	2/10/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	2/10/98	8260a	<2	<3	<2	<0.4	<2								
RMW-7	Shallow	4/22/98	8020	<2					<1	<1	<1			<1		
RMW-7	Shallow	4/22/98	8260a	<2	<50	<2	<2	<2								
RMW-7	Shallow	7/30/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-7	Shallow	7/30/98	8260a	<2	<50	<2	<2	<2								
RMW-7	Shallow	10/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-7	Shallow	10/27/98	8260a	<2	<50	<2	<2	<2								

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-7	Shallow	1/26/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-7	Shallow	1/26/99	8260a	<2	<50	<2	<2	<2								
RMW-7	Shallow	4/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-7	Shallow	4/27/99	8260a	<2	<50	<2	<2	<2								
RMW-7	Shallow	7/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-7	Shallow	7/27/99	8260a	<2	<50	<2	<2	<2								
RMW-7	Shallow	10/29/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-7	Shallow	2/23/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-7	Shallow	4/26/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-7	Shallow	7/26/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-7	Shallow	11/3/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-7	Shallow	1/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-7	Shallow	4/18/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	14J	<50
RMW-7	Shallow	7/25/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-7	Shallow	10/31/01	8260b	<0.28	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-7	Shallow	1/30/02	8260b	0.8J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.24VJ	<0.69	<0.14	<0.82	<10	<50
RMW-7	Shallow	4/24/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-7	Shallow	7/31/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-7	Shallow	10/30/02	8260b	<0.28	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-7	Shallow	1/29/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-7	Shallow	4/30/03	8260b	0.67J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-7	Shallow	7/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-7	Shallow	10/29/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-7	Shallow	1/28/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-7	Shallow	4/28/04	8260b	0.4J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-7	Shallow	6/1/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	0.055J	<0.069	<0.034	--	<44	<44
RMW-7	Shallow	4/26/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-8	Lower Silverado	7/22/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	7/22/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	9/17/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	9/17/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	10/28/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	10/28/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	10/28/97	8260a	<2	<3	<2	<0.4	<2								

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-8	Lower Silverado	2/9/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	2/9/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	2/9/98	8260a	<2	<3	<2	<0.4	<2								
RMW-8	Lower Silverado	4/21/98	8020	<2					<1	<1	<1			<1		
RMW-8	Lower Silverado	4/21/98	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	7/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-8	Lower Silverado	7/27/98	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	10/26/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-8	Lower Silverado	10/26/98	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	1/25/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-8	Lower Silverado	1/25/99	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	4/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-8	Lower Silverado	4/26/99	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	7/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-8	Lower Silverado	7/26/99	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	10/28/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-8	Lower Silverado	2/22/00	8260a	<2	<5	<2	<2	<2	<1	<1	2.8	<2	<1	<2		
RMW-8	Lower Silverado	4/25/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-8	Lower Silverado	7/25/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-8	Lower Silverado	10/30/00	8260b	5.1	<5	<0.68	<0.5	<0.57	5.5	1.5	21	11	5.3	16	66	
RMW-8 (dup)	Lower Silverado	10/30/00	8260b	5.2	<5	<0.68	<0.5	<0.57	5.9	1.6	23	12	5.8	17	73	
RMW-8	Lower Silverado	1/22/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-8	Lower Silverado	4/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.18UJ	0.27VJ	0.69UJ	0.14UJ	0.82UJ	14VJ	<50
RMW-8 (dup)	Lower Silverado	4/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.18UJ	0.29VJ	0.69UJ	0.14UJ	0.82UJ	1VJ	<50
RMW-8	Lower Silverado	7/16/01	8260b	13	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-8 (dup)	Lower Silverado	7/16/01	8260b	12	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-8	Lower Silverado	10/31/01	8260b	18	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50R
RMW-8 (dup)	Lower Silverado	10/31/01	8260b	20	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50R
RMW-8	Lower Silverado	1/14/02	8260b	11	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	52V	58J
RMW-8 (dup)	Lower Silverado	1/14/02	8260b	11	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50X	<50
RMW-8	Lower Silverado	4/15/02	8260b	7J	5UJ	<0.68	<0.5	<0.57	<0.11	0.21J	1XJ	<0.69	<0.14	<0.82	57	54J
RMW-8	Lower Silverado	7/15/02	8260b	11	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-8	Lower Silverado	10/14/02	8260b	10	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	11J	<50
RMW-8 (dup)	Lower Silverado	10/14/02	8260b	9.9	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-8	Lower Silverado	1/13/03	8260b	6.3	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-8 (dup)	Lower Silverado	1/13/03	8260b	7.4	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	11J	<50
RMW-8	Lower Silverado	4/14/03	8260b	6.8	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8	Lower Silverado	7/14/03	8260b	3.3	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8 (dup)	Lower Silverado	7/14/03	8260b	3.2	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8	Lower Silverado	10/13/03	8260b	1.5J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8 (dup)	Lower Silverado	10/13/03	8260b	1.5J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8	Lower Silverado	1/12/04	8260b	1.2J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8	Lower Silverado	5/20/04	8260b	3.5	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8	Lower Silverado	4/29/05	524.2	0.81J	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-8	Lower Silverado	4/10/06	524.2	0.25J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--	<48	<48
RMW-8 (dup)	Lower Silverado	4/10/06	524.2	0.24J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	0.24J	<0.016	--		
RMW-9	Upper Silverado	7/22/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	7/22/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9 (dup)	Upper Silverado	7/22/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9 (dup)	Upper Silverado	7/22/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	9/17/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	9/17/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	10/28/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	10/28/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	10/28/97	8260a	<2	<3	<2	<0.4	<2								
RMW-9	Upper Silverado	2/9/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	2/9/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	2/9/98	8260a	<2	<3	<2	<0.4	<2								
RMW-9	Upper Silverado	4/21/98	8020	<2					<1	<1	<1			<1		
RMW-9	Upper Silverado	4/21/98	8260a	<2	<50	<2	<2	<2								
RMW-9	Upper Silverado	7/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-9	Upper Silverado	7/27/98	8260a	<2	<50	<2	<2	<2								
RMW-9	Upper Silverado	10/26/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-9	Upper Silverado	10/26/98	8260a	<2	<50	<2	<2	<2								
RMW-9	Upper Silverado	1/25/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-9	Upper Silverado	1/25/99	8260a	<2	<50	<2	<2	<2								
RMW-9	Upper Silverado	4/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-9	Upper Silverado	4/26/99	8260a	<2	<50	<2	<2	<2								

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-9	Upper Silverado	7/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-9	Upper Silverado	7/26/99	8260a	<2	<50	<2	<2	<2								
RMW-9	Upper Silverado	10/28/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-9	Upper Silverado	2/22/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-9	Upper Silverado	4/25/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-9	Upper Silverado	7/25/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-9	Upper Silverado	10/30/00	8260b	0.62J	<5	<0.68	<0.5	<0.57	0.91	<0.18	3.6	1.9	0.93J	2.8	21J	
RMW-9	Upper Silverado	1/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-9	Upper Silverado	4/16/01	8260b	0.39J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.11J	<0.69	<0.14	<0.82	<10	<50
RMW-9	Upper Silverado	7/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-9	Upper Silverado	10/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-9	Upper Silverado	1/14/02	8260b	2.8	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-9	Upper Silverado	4/15/02	8260b	14	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	62	60J
RMW-9 (dup)	Upper Silverado	4/15/02	8260b	11J	<5	<0.68	<0.5	<0.57	<0.11	0.18J	1XJ	<0.69	<0.14	<0.82	76	72J
RMW-9	Upper Silverado	7/15/02	8260b	18	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.16J	<0.69	<0.14	<0.82	<10	<50
RMW-9	Upper Silverado	10/14/02	8260b	2.7	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-9	Upper Silverado	1/13/03	8260b	6.4	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-9 (dup)	Upper Silverado	1/13/03	8260b	6.8	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-9	Upper Silverado	4/14/03	8260b	2.1	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-9	Upper Silverado	7/14/03	8260b	2.8	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-9	Upper Silverado	10/13/03	8260b	2.7	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-9	Upper Silverado	1/12/04	8260b	6.9	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-9	Upper Silverado	4/12/04	8260b	2.9	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-9	Upper Silverado	1/10/05	8260b	1.5J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-9 (dup)	Upper Silverado	1/10/05	8260b	2.1	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-9	Upper Silverado	4/29/05	524.2	0.76J	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-9	Upper Silverado	7/19/05	8260b	2.3VJ	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-9	Upper Silverado	10/26/05	8260b	3.9	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-9	Upper Silverado	4/10/06	524.2	5.7	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.13J	<0.03	<0.016	--	<44	<44
RMW-9	Upper Silverado	7/11/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-10	Shallow	7/22/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	7/22/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	9/17/97	8020-conf	<2					<0.3	<0.2	0.73J	<0.8	0.4J	1.2J		
RMW-10	Shallow	9/17/97	8020	<2					<0.3	<0.2	0.67J	0.9J	0.47J	1.4J		
RMW-10	Shallow	10/28/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	10/28/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	10/28/97	8260a	<2	<3	<2	<0.4	<2								
RMW-10	Shallow	2/9/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	2/9/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	2/9/98	8260a	<2	<3	<2	<0.4	<2								
RMW-10	Shallow	4/21/98	8020	<2					<1	<1	<1			<1		
RMW-10	Shallow	4/21/98	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	7/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-10	Shallow	7/27/98	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	10/26/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-10	Shallow	10/26/98	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	1/25/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-10	Shallow	1/25/99	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	4/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-10	Shallow	4/26/99	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	7/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-10	Shallow	7/26/99	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	10/28/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-10	Shallow	2/22/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-10	Shallow	4/25/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-10	Shallow	7/25/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-10	Shallow	10/30/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-10	Shallow	1/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-10	Shallow	4/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.24J	4.7J	11J	28J	9.6J	37J	<10	<50
RMW-10	Shallow	7/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-10 (dup)	Shallow	7/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-10	Shallow	10/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50R
RMW-10	Shallow	1/14/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-10	Shallow	4/15/02	8260b	12J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	69V	100XJ

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-10	Shallow	7/15/02	8260b	160	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	59J
RMW-10	Shallow	10/14/02	8260b	610	94	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	120
RMW-10	Shallow	11/22/02	8260b	870	130	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-10	Shallow	12/19/02	8260b	1,100	11J	0.66UJ	<1.6	<1.2	<0.56	<0.50	<0.98	<1	<0.48	<1		
RMW-10 (dup)	Shallow	12/19/02	8260b	900	27J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-10	Shallow	1/13/03	8260b	1,000	25	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	270
RMW-10	Shallow	3/11/03	8260b	1,000	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-10	Shallow	3/27/03	8260b	1,100	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-10	Shallow	4/14/03	8260b	1,100	17J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	560
RMW-10	Shallow	5/29/03	8260b	1,000	5.9J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-10	Shallow	6/26/03	8260b	1,100	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-10	Shallow	7/14/03	8260b	1,300	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	560
RMW-10	Shallow	9/25/03	8260b	1,200	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-10 (dup)	Shallow	9/25/03	8260b	1,200	130J	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-10	Shallow	10/13/03	8260b	1,200	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	710
RMW-10	Shallow	1/12/04	8260b	2,500	830J	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	380
RMW-10 (dup)	Shallow	1/12/04	8260b	2,600	440J	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	380
RMW-10	Shallow	4/12/04	8260b	2,700	430J	<6.4	<5.3	<6.6	<5.8	<3.9	<7	<3.4	<3.2	<3.2	<44	1,400
RMW-10	Shallow	1/10/05	8260b	2,000	910	<6.6	<6.5	<7.8	<5.1	<3.5	<6.9	<7.6	<4.2	<4.2	<44	620
RMW-10 (dup)	Shallow	1/10/05	8260b	2,000	910	<6.6	<6.5	<7.8	<5.1	<3.5	<6.9	<7.6	<4.2	<4.2	<44	630
RMW-10	Shallow	4/29/05	524.2	1,400	890	<6.4	<5.3	<6.6	<0.98	<0.59	<0.76	<1.4	<0.68	--	<44	490
RMW-10	Shallow	7/19/05	8260b	570J	700	<0.33	0.34J	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	71	350
RMW-10	Shallow	10/26/05	8260b	270	470	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-10	Shallow	4/10/06	524.2	160	210	<0.015	<0.011	<0.025	<0.014	<0.021	0.11J	<0.03	<0.016	--	<44	140
RMW-10	Shallow	7/11/06	8260b	11	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-11	Upper Silverado	1/6/98	8020-conf	33					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11	Upper Silverado	1/6/98	8020	35					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11	Upper Silverado	1/6/98	8260a	34												
RMW-11 (dup)	Upper Silverado	1/6/98	8020-conf	30					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11 (dup)	Upper Silverado	1/6/98	8020	32					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11	Upper Silverado	2/11/98	8020-conf	31					0.75J	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11	Upper Silverado	2/11/98	8020	33					0.75J	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11	Upper Silverado	2/11/98	8260a	38	150	<2	<0.4	<2								

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-11	Upper Silverado	4/23/98	8020	35					<1	<1	<1			<1		
RMW-11	Upper Silverado	4/23/98	8020	5.8					<1	<1	<1			<1		
RMW-11	Upper Silverado	4/23/98	8260a	45	<50	<2	<2	<2								
RMW-11	Upper Silverado	4/23/98	8260a	7.5	<50	<2	<2	<2								
RMW-11 (dup)	Upper Silverado	4/23/98	8020	39					<1	<1	<1			<1		
RMW-11 (dup)	Upper Silverado	4/23/98	8260a	46	<50	<2	<2	<2								
RMW-11	Upper Silverado	7/29/98	8020	25					<1	<1	<1	<2	<1	<1		
RMW-11	Upper Silverado	7/29/98	8260a	30	<50	<2	<2	<2								
RMW-11 (dup)	Upper Silverado	7/29/98	8020	20					<1	<1	<1	<2	<1	<1		
RMW-11 (dup)	Upper Silverado	7/29/98	8260a	28	<50	<2	<2	<2								
RMW-11	Upper Silverado	10/29/98	8020	26					<1	<1	<1	<1	<1	<1		
RMW-11	Upper Silverado	10/29/98	8260a	32	<50	<2	<2	<2								
RMW-11 (dup)	Upper Silverado	10/29/98	8020	28					<1	<1	<1	<1	<1	<1		
RMW-11 (dup)	Upper Silverado	10/29/98	8260a	31	<50	<2	<2	<2								
RMW-11	Upper Silverado	1/26/99	8020	16					<1	<1	<1	<2	<1	<2		
RMW-11	Upper Silverado	1/26/99	8260a	27	<50	<2	<2	<2								
RMW-11	Upper Silverado	4/27/99	8020	66					<1	<1	<1	<1	<1	<1		
RMW-11	Upper Silverado	4/27/99	8260a	57	<50	<2	<2	<2								
RMW-11	Upper Silverado	7/29/99	8020	70					<1	<1	<1	<1	<1	<1		
RMW-11	Upper Silverado	7/29/99	8260a	57	<50	<2	<2	<2								
RMW-11 (dup)	Upper Silverado	7/29/99	8020	69					<1	<1	<1	<1	<1	<1		
RMW-11 (dup)	Upper Silverado	7/29/99	8260a	67	<50	<2	<2	<2								
RMW-11	Upper Silverado	10/29/99	8260a	54	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-11	Upper Silverado	2/24/00	8260a	35	<5	<2	<2	<2	<1	<1	1.5J	<2	<1	<2		
RMW-11	Upper Silverado	4/27/00	8260a	26	<5	<2	<2	<2	<1	<1	1	<2	<1	<2		
RMW-11	Upper Silverado	7/27/00	8260b	27	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.12J	<0.69	<0.14	<0.82	15J	
RMW-11	Upper Silverado	11/1/00	8260b	26	<5	<0.68	<0.5	<0.57	1.8U	0.47J	6.6U	3.3U	1.7U	4.9U	30U	
RMW-11 (dup)	Upper Silverado	11/1/00	8260b	28	<5	<0.68	<0.5	<0.57	1.7U	0.46J	6.3U	<3.0	1.5U	4.6U	29U	
RMW-11	Upper Silverado	1/23/01	8260b	34	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		17J
RMW-11	Upper Silverado	4/19/01	8260b	73	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.23J	<0.69	<0.14	<0.82	12J	<50
RMW-11	Upper Silverado	5/30/01	8260b	54J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.43J	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	6/26/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	7/18/01	8260b	11	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-11	Upper Silverado	10/15/01	8260b	22	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-11	Upper Silverado	11/26/01	8260b	20	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	12/28/01	8260b	62	11J	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	2/1/02	8260b	88J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-11	Upper Silverado	2/22/02	8260b	140	15J	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	4/8/02	8260b	160	18J	<0.68	0.53J	<0.57	<0.11	<0.18	1XJ	<0.69	0.21J	0.88J		
RMW-11	Upper Silverado	4/30/02	8260b	350	6.5J	<0.68	0.55J	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	86J
RMW-11	Upper Silverado	5/28/02	8260b	570	22J	<0.68	0.73J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	6/28/02	8260b	700	<5	<0.68	0.73J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	8/7/02	8260b	530	<5	<0.68	0.67J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	210
RMW-11	Upper Silverado	8/23/02	8260b	530	21J	<1.4	<1	<1.1	<0.22	<0.36	<0.19	<1.4	<0.28	<1.6		
RMW-11 (dup)	Upper Silverado	8/23/02	8260b	480	<5	<0.68	0.68J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	9/26/02	8260b	360	13J	<0.68	0.59J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11 (dup)	Upper Silverado	9/26/02	8260b	420J	11J	<0.68	0.61J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	10/24/02	8260b	330	<5	<0.68	0.64J	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	140
RMW-11	Upper Silverado	11/26/02	8260b	280	<5	<0.68	0.53J	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-11	Upper Silverado	12/20/02	8260b	470J	11J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-11	Upper Silverado	1/24/03	8260b	400	8.2J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	110
RMW-11	Upper Silverado	2/28/03	8260b	440	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-11	Upper Silverado	3/25/03	8260b	390	32J	<0.32	0.38J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-11	Upper Silverado	4/29/03	8260b	750	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	320
RMW-11 (dup)	Upper Silverado	4/29/03	8260b	720	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	280
RMW-11	Upper Silverado	5/30/03	8260b	1,100	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-11 (dup)	Upper Silverado	5/30/03	8260b	1,100	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-11	Upper Silverado	6/24/03	8260b	1,500	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-11 (dup)	Upper Silverado	6/24/03	8260b	1,700	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	1.9J	<1.6	1.9J		
RMW-11	Upper Silverado	7/25/03	8260b	1,200	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	840
RMW-11	Upper Silverado	8/26/03	8260b	1,700	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-11	Upper Silverado	9/26/03	8260b	2,200	650	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-11	Upper Silverado	10/24/03	8260b	2,600	<99	<6.4	<5.3	<6.6	<5.8	<3.9	<7	<3.4	<3.2	<3.2	<44	1,200
RMW-11 (dup)	Upper Silverado	10/24/03	8260b	2,700	<99	<6.4	<5.3	<6.6	<5.8	<3.9	<7	<3.4	<3.2	<3.2	<44	1,200

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-11	Upper Silverado	1/23/04	8260b	1,600	260J	<6.4	<5.3	<6.6	<5.8	<3.9	<7	<3.4	<3.2	<3.2	<44	1,100
RMW-11	Upper Silverado	4/23/04	8260b	1,200	310	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	730
RMW-11	Upper Silverado	1/11/05	8260b	540	120J	<3.3	<3.3	<3.9	<2.6	<1.7	<3.5	<3.8	<2.1	<2.1	<44	70J
RMW-11	Upper Silverado	4/22/05	524.2	140	29	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	110
RMW-11	Upper Silverado	7/18/05	8260b	190J	41	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-11	Upper Silverado	11/11/05	8260b	96	48	<0.33	<0.33	<0.39	<0.26	<0.17	0.35J	<0.38	<0.21	--	<44	98
RMW-11	Upper Silverado	4/20/06	524.2	77	9.5J	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	61
RMW-11	Upper Silverado	7/17/06	8260b	95	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	60
RMW-12	Shallow	1/6/98	8020-conf	29					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12	Shallow	1/6/98	8020	31					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12 (dup)	Shallow	1/6/98	8020-conf	33					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12 (dup)	Shallow	1/6/98	8020	32					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12	Shallow	2/11/98	8020-conf	44					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12	Shallow	2/11/98	8020	36					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12	Shallow	2/11/98	8260a	15	<3	<2	<0.4	<2								
RMW-12 (dup)	Shallow	2/11/98	8020-conf	32					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12 (dup)	Shallow	2/11/98	8020	29					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12 (dup)	Shallow	2/11/98	8260a	31	<3	<2	<0.4	<2								
RMW-12	Shallow	4/23/98	8020	34					<1	<1	<1			<1		
RMW-12	Shallow	4/23/98	8020	28					<1	<1	<1			<1		
RMW-12	Shallow	4/23/98	8260a	40	<50	<2	<2	<2								
RMW-12	Shallow	4/23/98	8260a	39	<50	<2	<2	<2								
RMW-12	Shallow	7/29/98	8020	15					<1	<1	<1	<2	<1	<1		
RMW-12	Shallow	7/29/98	8260a	15	<50	<2	<2	<2								
RMW-12 (dup)	Shallow	7/29/98	8020	16					<1	<1	<1	<2	<1	<1		
RMW-12 (dup)	Shallow	7/29/98	8260a	16	<50	<2	<2	<2								
RMW-12	Shallow	10/28/98	8020	9.7					<1	<1	<1	<2	<1	<1		
RMW-12	Shallow	10/28/98	8260a	11	<50	<2	<2	<2								
RMW-12	Shallow	1/26/99	8020	4.7J					<1	<1	<1	<2	<1	<2		
RMW-12	Shallow	1/26/99	8260a	<2	<50	<2	<2	<2								
RMW-12	Shallow	4/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-12	Shallow	4/27/99	8260a	<2	<50	<2	<2	<2								
RMW-12 (dup)	Shallow	4/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-12 (dup)	Shallow	4/27/99	8260a	<2	<50	<2	<2	<2								

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-12	Shallow	7/29/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-12	Shallow	7/29/99	8260a	<2	<50	<2	<2	<2								
RMW-12	Shallow	10/29/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-12	Shallow	2/24/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-12	Shallow	4/27/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-12	Shallow	7/27/00	8260b	260	25	<0.68	<0.5	<0.57	<0.11	<0.18	0.3J	<0.69	0.2J	<0.82	<10	
RMW-12	Shallow	11/1/00	8260b	71	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-12	Shallow	1/23/01	8260b	57	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		20J
RMW-12 (dup)	Shallow	1/23/01	8260b	86	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		24J
RMW-12	Shallow	4/19/01	8260b	93	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	11J	<50
RMW-12	Shallow	5/30/01	8260b	1,400J	56	<0.68	<0.5	<0.57	<0.11	<0.18	0.16J	<0.69	<0.14	<0.82		
RMW-12	Shallow	6/26/01	8260b	1,800	<25	<3.4	<2.5	<2.8	<0.55	<0.9	<0.46	<3.4	<0.7	<4.1		
RMW-12	Shallow	7/19/01	8260b	170	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		92J
RMW-12 (dup)	Shallow	7/19/01	8260b	170	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		70J
RMW-12	Shallow	10/19/01	8260b	150J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-12	Shallow	11/26/01	8260b	180	13J	<0.68	<0.5	<0.57	0.37J	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-12	Shallow	12/28/01	8260b	160	39	<0.68	<0.5	<0.57	0.5XJ	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-12	Shallow	2/1/02	8260b	500	14J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	120
RMW-12	Shallow	2/22/02	8260b	310	9.3J	<0.68	<0.5	<0.57	0.16J	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-12	Shallow	3/25/02	8260b	520	62	<0.68	<0.5	<0.57	0.23J	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-12	Shallow	4/30/02	8260b	580	26	<0.68	<0.5	<0.57	0.12J	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	150
RMW-12	Shallow	5/28/02	8260b	880	200	<0.68	<0.5	<0.57	0.32J	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-12	Shallow	6/28/02	8260b	770	5.1J	<0.68	<0.5	<0.57	0.19J	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-12	Shallow	8/7/02	8260b	700	<5	<0.68	<0.5	<0.57	0.42J	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	280
RMW-12	Shallow	8/23/02	8260b	700	<5	<0.68	<0.5	<0.57	0.79	1.1	<0.093	10	4.7	15		
RMW-12	Shallow	9/26/02	8260b	640J	17J	<0.68	<0.5	<0.57	0.24J	<0.18	<0.093	<0.69	0.52J	<0.82		
RMW-12	Shallow	10/24/02	8260b	610	<5	<0.68	<0.5	<0.57	0.54	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	190
RMW-12	Shallow	11/26/02	8260b	520	10J	<0.33	<0.78	<0.61	0.62	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-12	Shallow	12/20/02	8260b	370J	5.0J	0.33UJ	<0.78	0.61UJ	0.40J	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-12	Shallow	1/24/03	8260b	270	7.2J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	72J
RMW-12	Shallow	2/28/03	8260b	260	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-12	Shallow	3/25/03	8260b	210	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-12	Shallow	4/29/03	8260b	210	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	110
RMW-12 (dup)	Shallow	4/29/03	8260b	240	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	100

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-12	Shallow	5/30/03	8260b	170	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	1X	<0.16	2X		
RMW-12	Shallow	6/24/03	8260b	190	<4.9	<0.32	<0.27	<0.33	1.7	<0.19	0.57J	0.73J	0.24J	0.97J		
RMW-12	Shallow	7/25/03	8260b	140	<4.9	<0.32	<0.27	<0.33	0.32J	<0.19	<0.35	<0.17	<0.16	<0.16	<44	62
RMW-12	Shallow	8/26/03	8260b	140	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-12	Shallow	9/26/03	8260b	260	24J	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32		
RMW-12	Shallow	10/24/03	8260b	190	<9.9	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32	<44	110
RMW-12	Shallow	1/23/04	8260b	160	4.9UJ	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32	<44	110
RMW-12	Shallow	4/23/04	8260b	130	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	87
RMW-12	Shallow	1/11/05	8260b	37	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-12	Shallow	4/22/05	524.2	82	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	68
RMW-12	Shallow	7/18/05	8260b	180J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-12	Shallow	11/11/05	8260b	260	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	47J
RMW-12	Shallow	4/21/06	524.2	230	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	0.10J	<0.016	--	<44	<44
RMW-12	Shallow	7/17/06	8260b	560	<20	<1.6	<1.6	<1.9	<1.3	<0.87	<1.7	<1.9	<1.0	--	<48	330
RMW-13	Upper Silverado	5/18/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-13	Upper Silverado	7/28/98	8020	<2					<1	<1	<1	<2	<1	2J		
RMW-13	Upper Silverado	7/28/98	8260a	<2	<50	<2	<2	<2								
RMW-13	Upper Silverado	10/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-13	Upper Silverado	10/28/98	8260a	<2	<50	<2	<2	<2								
RMW-13	Upper Silverado	1/27/99	8020	15					<1	<1	<1	<2	<1	<2		
RMW-13	Upper Silverado	1/27/99	8260a	7.5	<50	<2	<2	<2								
RMW-13	Upper Silverado	4/28/99	8020	29					<1	<1	<1	<1	<1	<1		
RMW-13	Upper Silverado	4/28/99	8260a	38	<50	<2	<2	<2								
RMW-13	Upper Silverado	7/28/99	8020	290					<1	<1	<1	<1	<1	<1		
RMW-13	Upper Silverado	7/28/99	8260a	420	<50	<2	<2	<2								
RMW-13	Upper Silverado	10/26/99	8260a	6,300	250J	<20	<20	<20	<10	<10	<10	<20	<10	<20		
RMW-13	Upper Silverado	2/25/00	8260a	1,500	97J	<10	<10	<10	<5	<5	<5	<10	<5	<10		
RMW-13	Upper Silverado	4/28/00	8260a	200	26	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-13 (dup)	Upper Silverado	4/28/00	8260a	160	21J	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-13	Upper Silverado	7/27/00	8260b	640	59	<0.68	<0.5	<0.57	<0.11	<0.18	0.12J	<0.69	<0.14	<0.82	12J	
RMW-13	Upper Silverado	11/2/00	8260b	510	67J	<3.4	<2.5	<2.8	2.8	<0.9	11	5.5	2.9J	8.4J	89	
RMW-13	Upper Silverado	1/24/01	8260b	720	260	<3.4	<2.5	<2.8	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		300
RMW-13	Upper Silverado	2/20/01	8260b	250	58J	<2.7	<2	<2.3	<0.44	<0.72	<0.37	<2.8	0.56J	<3.3		
RMW-13	Upper Silverado	3/12/01	8260b	150	31	<0.68	<0.5	<0.57	0.16J	<0.18	0.45J	<0.69	0.15J	<0.82		75

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M		
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes			
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12	
RMW-13	Upper Silverado	5/31/01	8260b	150	13J	<0.68	<0.5	<0.57	<0.11	<0.18	0.29VJ	<0.69	<0.14	<0.82			
RMW-13	Upper Silverado	6/26/01	8260b	190	8.8J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82			
RMW-13	Upper Silverado	7/23/01	8260b	180	15J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		65J	
RMW-13 (dup)	Upper Silverado	7/23/01	8260b	190	14J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		65J	
RMW-13	Upper Silverado	10/19/01	8260b	64	10J	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50	
RMW-13 (dup)	Upper Silverado	10/22/01	8260b	74	9.4J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50	
RMW-13	Upper Silverado	11/20/01	8260b	65	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82			
RMW-13	Upper Silverado	12/19/01	8260b	21	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82			
RMW-13 (dup)	Upper Silverado	12/19/01	8260b	18	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82			
RMW-13	Upper Silverado	1/25/02	8260b		14V	<5	0.68UJ	<0.5	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	19J	<50
RMW-13	Upper Silverado	2/25/02	8260b	46	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82			
RMW-13	Upper Silverado	3/21/02	8260b	75	7.9J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82			
RMW-13 (dup)	Upper Silverado	3/21/02	8260b	74	8.9J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82			
RMW-13	Upper Silverado	4/26/02	8260b	43J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	52	53J	
RMW-13	Upper Silverado	5/23/02	8260b	41	11J	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82			
RMW-13	Upper Silverado	6/21/02	8260b	84J	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82			
RMW-13	Upper Silverado	7/26/02	8260b	60	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50	
RMW-13	Upper Silverado	8/26/02	8260b	48	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82			
RMW-13	Upper Silverado	10/25/02	8260b	13	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50	
RMW-13	Upper Silverado	1/22/03	8260b	6.0	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50	
RMW-13	Upper Silverado	4/23/03	8260b	68	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44	
RMW-13	Upper Silverado	7/23/03	8260b	24	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	51	
RMW-13 (dup)	Upper Silverado	7/23/03	8260b	23	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44	
RMW-13	Upper Silverado	10/31/03	8260b	28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44	
RMW-13	Upper Silverado	1/21/04	8260b	5.5	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44	
RMW-13	Upper Silverado	4/21/04	8260b		<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-13	Upper Silverado	4/20/05	524.2		<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034		<44	<44
RMW-13	Upper Silverado	4/18/06	524.2		<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016		<48	<48
RMW-14	Upper Silverado	7/15/98	8020	12,000					<1	<1	<1	<2	<1	<1			
RMW-14	Upper Silverado	7/15/98	8260a	16,000													
RMW-14	Upper Silverado	7/30/98	8020	10,000					<1	<1	<1	<2	<1	<1			
RMW-14	Upper Silverado	7/30/98	8260a	17,000	660	<5	<5	<5									
RMW-14 (dup)	Upper Silverado	7/30/98	8020	14,000					<1	<1	<1	<2	<1	<1			
RMW-14 (dup)	Upper Silverado	7/30/98	8260a	15,000	1,200	<5	<5	<5									

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-14	Upper Silverado	8/28/98	8020	12,000					<1	<1	<1	<2	<1	<1		
RMW-14	Upper Silverado	8/28/98	8260a	14,000	620	4.6J	2.5J	<2								
RMW-14 (dup)	Upper Silverado	8/28/98	8020	13,000					3.1	<1	<1	<2	<1	<1		
RMW-14 (dup)	Upper Silverado	8/28/98	8260a	14,000	560	4.4J	2.4J	<2								
RMW-14	Upper Silverado	10/29/98	8020	11,000					<1	<1	<1	<1	<1	<1		
RMW-14	Upper Silverado	10/29/98	8260a	13,000	3,400	<5	<5	<5								
RMW-14 (dup)	Upper Silverado	10/29/98	8020	16,000					<1	<1	<1	<1	<1	<1		
RMW-14 (dup)	Upper Silverado	10/29/98	8260a	13,000	3,300	<5	<5	<5								
RMW-14	Upper Silverado	1/27/99	8020	17,000					<1	<1	<1	<2	<1	<2		
RMW-14	Upper Silverado	1/27/99	8260a	11,000	390	<4	<4	<4								
RMW-14 (dup)	Upper Silverado	1/27/99	8020	16,000					<1	<1	<1	<2	<1	<2		
RMW-14 (dup)	Upper Silverado	1/27/99	8260a	15,000	360	4.0J	<4	<4								
RMW-14	Upper Silverado	4/28/99	8020	15,000					<1	<1	<1	<1	<1	<1		
RMW-14	Upper Silverado	4/28/99	8260a	14,000	220	4.2J	<2	<2								
RMW-14	Upper Silverado	7/28/99	8020	6,300					<1	<1	<1	<1	<1	<1		
RMW-14	Upper Silverado	7/28/99	8260a	7,900	420	<2	<2	<2								
RMW-14	Upper Silverado	10/26/99	8260a	2,400	140	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-14	Upper Silverado	2/25/00	8260a	530	40	<2	<2	<2	1J	<1	3	<2	<1	<2		
RMW-14	Upper Silverado	4/28/00	8260a	42	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-14	Upper Silverado	7/28/00	8260b	40	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-14	Upper Silverado	11/2/00	8260b	11	<5	<0.68	<0.5	<0.57	0.7	0.26J	3.3	1.8	0.99J	2.8	17J	
RMW-14	Upper Silverado	1/25/01	8260b	7.4	<5	<0.68	<0.5	<0.57	0.22J	<0.18	<0.093	<0.69	<0.14	<0.82		10J
RMW-14	Upper Silverado	2/20/01	8260b	9.8	<5	<0.68	<0.5	<0.57	0.18J	<0.18	1.0	0.78J	0.34J	1.1J		
RMW-14	Upper Silverado	3/12/01	8260b	9.7	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.3J	<0.69	<0.14	<0.82		10J
RMW-14	Upper Silverado	5/2/01	8260b	14	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-14	Upper Silverado	5/29/01	8260b	14J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.36J	<0.69	<0.14	<0.82		
RMW-14	Upper Silverado	6/25/01	8260b	8.6	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.21J	<0.69	<0.14	<0.82		
RMW-14	Upper Silverado	7/26/01	8260b	6.6	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	0.12J	<0.69	<0.14	<0.82		<50
RMW-14	Upper Silverado	10/22/01	8260b	6.4	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-14	Upper Silverado	1/18/02	8260b	2.4V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-14 (dup)	Upper Silverado	1/18/02	8260b	2.5V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-14	Upper Silverado	4/19/02	8260b	1.7J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-14	Upper Silverado	7/19/02	8260b	4.6	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-14 (dup)	Upper Silverado	7/19/02	8260b	4.6	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-14	Upper Silverado	10/18/02	8260b	0.60J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-14	Upper Silverado	1/17/03	8260b	0.41J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-14 (dup)	Upper Silverado	1/17/03	8260b	0.61J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-14	Upper Silverado	4/18/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14 (dup)	Upper Silverado	4/18/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14	Upper Silverado	7/18/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14	Upper Silverado	10/17/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14	Upper Silverado	1/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14 (dup)	Upper Silverado	1/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14	Upper Silverado	4/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14	Upper Silverado	1/14/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-14	Upper Silverado	4/15/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-14	Upper Silverado	7/15/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-14	Upper Silverado	10/14/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-14	Upper Silverado	4/14/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-14	Upper Silverado	7/10/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-15	Lower Silverado	8/28/98	8020	3.2J					<1	<1	<1	<2	<1	<1		
RMW-15	Lower Silverado	8/28/98	8260a	2.2J	<50	<2	<2	<2								
RMW-15	Lower Silverado	10/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-15	Lower Silverado	10/28/98	8260a	<2	<50	<2	<2	<2								
RMW-15	Lower Silverado	1/27/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-15	Lower Silverado	1/27/99	8260a	<2	<50	<2	<2	<2								
RMW-15	Lower Silverado	4/28/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-15	Lower Silverado	4/28/99	8260a	<2	<50	<2	<2	<2								
RMW-15	Lower Silverado	7/28/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-15	Lower Silverado	7/28/99	8260a	<2	<50	<2	<2	<2								
RMW-15	Lower Silverado	10/26/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-15	Lower Silverado	2/25/00	8260a	<2	<5	<2	<2	<2	<1	<1	2.5	<2	<1	<2		
RMW-15	Lower Silverado	4/28/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-15	Lower Silverado	7/28/00	8260b	1.3UJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.12J	<0.69	<0.14	<0.82	11J	
RMW-15	Lower Silverado	11/2/00	8260b	1.8J	<5	<0.68	<0.5	<0.57	2.1	0.46J	8.1	4	1.9	6	36U	
RMW-15	Lower Silverado	1/25/01	8260b	0.73J	<5	<0.68	<0.5	<0.57	0.19J	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-15	Lower Silverado	5/2/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-15 (dup)	Lower Silverado	5/2/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.		Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)											VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
				EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl- benzene	Toluene	m,p- Xylenes	o- Xylene	Total Xylenes	
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-15	Lower Silverado	7/26/01	8260b	<0.28	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	0.17J	<0.69	<0.14	<0.82		<50
RMW-15	Lower Silverado	10/24/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-15 (dup)	Lower Silverado	10/24/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-15	Lower Silverado	1/18/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-15	Lower Silverado	4/19/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1.3V	<0.69	<0.14	<0.82	99V	88J
RMW-15 (dup)	Lower Silverado	4/19/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1V	<0.69	<0.14	<0.82	64V	57J
RMW-15	Lower Silverado	7/19/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-15	Lower Silverado	10/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-15 (dup)	Lower Silverado	10/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-15	Lower Silverado	1/17/03	8260b	2XJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-15 (dup)	Lower Silverado	1/17/03	8260b	2XJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-15	Lower Silverado	4/18/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15 (dup)	Lower Silverado	4/18/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15	Lower Silverado	7/18/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15	Lower Silverado	10/17/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15 (dup)	Lower Silverado	10/17/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15	Lower Silverado	1/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15	Lower Silverado	4/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15 (dup)	Lower Silverado	4/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15	Lower Silverado	1/14/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-15	Lower Silverado	4/15/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-15 (dup)	Lower Silverado	4/15/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	0.051J	<0.029	0.5X	<0.069	<0.034	--	<44	<44
RMW-15	Lower Silverado	7/15/05	8260b	0.29UJ	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-15	Lower Silverado	10/14/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-15	Lower Silverado	4/14/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-15	Lower Silverado	7/10/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-15 (dup)	Lower Silverado	7/10/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-16A	Shallow	8/28/98	8020	240					<1	<1	<1	<2	<1	<1		
RMW-16A	Shallow	8/28/98	8260a	270	<50	<2	<2	<2								
RMW-16A	Shallow	10/28/98	8020	730					<1	<1	<1	<2	<1	<1		
RMW-16A	Shallow	10/28/98	8260a	700	<50	<2	<2	<2								
RMW-16A	Shallow	1/27/99	8020	1,200					<1	<1	<1	<2	<1	<2		
RMW-16A	Shallow	1/27/99	8260a	760	<50	<2	<2	<2								

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-16A	Shallow	4/28/99	8020	600					<1	<1	<1	<1	<1	<1		
RMW-16A	Shallow	4/28/99	8260a	560	<50	<2	<2	<2								
RMW-16A(dup)	Shallow	4/28/99	8020	460					<1	<1	<1	<1	<1	<1		
RMW-16A(dup)	Shallow	4/28/99	8260a	520	<50	<2	<2	<2								
RMW-16A	Shallow	7/28/99	8020	1,400					<1	<1	<1	<1	<1	<1		
RMW-16A	Shallow	7/28/99	8260a	2,000	170	<2	<2	<2								
RMW-16A	Shallow	10/26/99	8260a	2,600	120	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-16A	Shallow	2/25/00	8260a	4,900	520	<10	<10	<10	<5	<5	<5	<10	<5	<10		
RMW-16A	Shallow	4/28/00	8260a	3,500	900	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-16A	Shallow	7/28/00	8260b	7,600	510	2.5J	1.5J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	36J	
RMW-16A	Shallow	11/3/00	8260b	1,300	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	110	
RMW-16A	Shallow	1/25/01	8260b	4,000	420	1.7J	0.84J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		2,500
RMW-16A	Shallow	2/20/01	8260b	2,800	94J	<3.4	<2.5	<2.8	<0.55	<0.9	<0.47	<3.4	<0.7	<4.1		
RMW-16A	Shallow	3/12/01	8260b	1,800	140J	<6.8	<5	<5.7	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2		960
RMW-16A	Shallow	5/31/01	8260b	1,800	66J	<6.8	<5	<5.7	1.4UJ	<1.8	<0.93	<6.9	<1.4	<8.2		
RMW-16A	Shallow	6/26/01	8260b	1,600	44	0.76J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	7/26/01	8260b	1,200	50	<0.68	0.5UJ	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		450
RMW-16A	Shallow	10/24/01	8260b	320	8.6J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50X	170
RMW-16A	Shallow	11/26/01	8260b	140	6.1J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	12/19/01	8260b	51	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	1/18/02	8260b	40	5.5J	<0.68	<0.5	<0.57	<0.11	<0.18	0.1J	<0.69	<0.14	<0.82	<10	<50
RMW-16A	Shallow	2/26/02	8260b	28J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	3/26/02	8260b	9	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	4/19/02	8260b	14	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-16A	Shallow	5/23/02	8260b	22	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	6/21/02	8260b	11VJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	7/19/02	8260b	8.3J	7.9J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-16A	Shallow	8/27/02	8260b	6.7	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	10/18/02	8260b	3.5	<5	<0.68	<0.5	<0.57	0.12J	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-16A	Shallow	1/17/03	8260b	9.4	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-16A	Shallow	4/18/03	8260b	5.3	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-16A	Shallow	7/18/03	8260b	0.91J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-16A	Shallow	10/17/03	8260b	0.42J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-16A	Shallow	1/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-16A(dup)	Shallow	1/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-16A	Shallow	4/16/04	8260b	0.49J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-16A	Shallow	1/14/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-16A	Shallow	4/15/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-16A	Shallow	7/15/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-16A	Shallow	4/14/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	0.091J	<0.016	--	<44	<44
RMW-16A	Shallow	7/10/06	8260b	0.39J	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-17	Upper Silverado	8/24/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-17	Upper Silverado	8/24/99	8260a	<2	<50	<2	<2	<2								
RMW-17	Upper Silverado	10/27/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-17	Upper Silverado	2/24/00	8260a	<2	<5	<2	<2	<2	<1	<1	1.7J	<2	<1	<2		
RMW-17	Upper Silverado	4/27/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-17	Upper Silverado	7/27/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.1J	<0.69	<0.14	<0.82	<10	
RMW-17	Upper Silverado	11/2/00	8260b	0.42U	<5	<0.68	<0.5	<0.57	0.35J	<0.18	1.3	<0.69	0.34J	0.96J	15U	
RMW-17	Upper Silverado	1/25/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.18J	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-17	Upper Silverado	5/8/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.25J	0.69J	1.5	0.42J	1.9J	<10	<50
RMW-17	Upper Silverado	7/20/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-17	Upper Silverado	10/24/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-17	Upper Silverado	1/24/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-17	Upper Silverado	4/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-17	Upper Silverado	7/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-17	Upper Silverado	10/21/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-17	Upper Silverado	1/20/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-17	Upper Silverado	4/21/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17	Upper Silverado	7/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17	Upper Silverado	10/20/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17 (dup)	Upper Silverado	10/20/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17	Upper Silverado	1/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17 (dup)	Upper Silverado	1/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17	Upper Silverado	4/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17	Upper Silverado	4/18/05	524.2	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-17	Upper Silverado	4/17/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	0.083J	<0.021	0.5X	<0.03	<0.016	--	<48	<48

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-18	Shallow	8/24/99	8020	6.7					<1	<1	<1	<1	<1	<1		
RMW-18	Shallow	8/24/99	8260a	2.4J	<50	<2	<2	<2								
RMW-18	Shallow	10/27/99	8260a	2.3J	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-18 (dup)	Shallow	10/27/99	8260a	2.7J	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-18	Shallow	4/27/00	8260a		<2	<5	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-18	Shallow	7/28/00	8260b	1J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-18	Shallow	11/2/00	8260b	2.5	<5	<0.68	<0.5	<0.57	0.64	0.22J	2.6	1.5	0.78J	2.2	17J	
RMW-18	Shallow	1/25/01	8260b	1.8J	<5	<0.68	<0.5	<0.57	0.13J	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-18	Shallow	5/8/01	8260b	2.1	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-18	Shallow	7/20/01	8260b	2J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-18 (dup)	Shallow	7/20/01	8260b	1.9J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-18	Shallow	11/7/01	8260b	2	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-18	Shallow	1/24/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-18	Shallow	4/18/02	8260b	0.54J	<5	<0.68	<0.5	<0.57	<0.11	0.28J	1XJ	0.8J	<0.14	0.9J	92	88J
RMW-18	Shallow	7/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-18	Shallow	10/21/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-18	Shallow	1/20/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-18	Shallow	4/21/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-18	Shallow	7/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-18	Shallow	10/20/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-18	Shallow	1/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-18	Shallow	4/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-18	Shallow	4/18/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-18	Shallow	4/17/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--	<48	<48
RMW-19	Upper Silverado	11/1/00	8260b	0.91J	<5	<0.68	<0.5	<0.57	0.28J	<0.18	0.49J	<0.69	<0.14	<0.82	11J	
RMW-19	Upper Silverado	1/23/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-19	Upper Silverado	4/20/01	8260b	0.63VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.24VJ	<0.69	<0.14	<0.82	<10	<50
RMW-19 (dup)	Upper Silverado	4/20/01	8260b	0.51VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.19VJ	<0.69	<0.14	<0.82	<10	<50
RMW-19	Upper Silverado	7/19/01	8260b	0.31VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-19	Upper Silverado	11/7/01	8260b	2.6J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-19	Upper Silverado	1/17/02	8260b	4.2V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-19	Upper Silverado	2/22/02	8260b	2.2V	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-19 (dup)	Upper Silverado	2/22/02	8260b	2.3V	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-19	Upper Silverado	3/25/02	8260b	5.1	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-19	Upper Silverado	4/30/02	8260b	3.4	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-19	Upper Silverado	5/28/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-19	Upper Silverado	6/25/02	8260b	0.39J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.13J	<0.69	<0.14	<0.82		
RMW-19	Upper Silverado	7/30/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-19	Upper Silverado	8/28/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	3.4	2.7	6.1		
RMW-19	Upper Silverado	9/30/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-19	Upper Silverado	10/24/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.11J	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-19	Upper Silverado	11/26/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-19 (dup)	Upper Silverado	11/26/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-19	Upper Silverado	12/20/02	8260b	0.33UJ	<1.9	0.33UJ	<0.78	0.61UJ	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-19	Upper Silverado	1/23/03	8260b	0.44J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-19	Upper Silverado	2/28/03	8260b	2XJ	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	3/25/03	8260b	3.4	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	4/29/03	8260b	12	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-19 (dup)	Upper Silverado	4/29/03	8260b	12	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-19	Upper Silverado	5/30/03	8260b	17	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	6/27/03	8260b	28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	7/25/03	8260b	40	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-19	Upper Silverado	8/26/03	8260b	57	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19 (dup)	Upper Silverado	8/26/03	8260b	56	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	9/26/03	8260b	84	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19 (dup)	Upper Silverado	9/26/03	8260b	89	6.4J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	10/24/03	8260b	41	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-19	Upper Silverado	1/23/04	8260b	130	13J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	86
RMW-19	Upper Silverado	4/23/04	8260b	190	<4.9	<0.32	0.3J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	120
RMW-19	Upper Silverado	1/11/05	8260b	900	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	100
RMW-19	Upper Silverado	4/22/05	524.2	640	4.9UJ	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	290
RMW-19	Upper Silverado	7/18/05	8260b	760	<39	<3.3	<3.3	<3.9	<2.6	<1.7	<3.5	<3.8	<2.1	--	<44	66
RMW-19	Upper Silverado	11/11/05	8260b	320	<3.9	<0.33	0.35J	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	250
RMW-19	Upper Silverado	4/21/06	524.2	160	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--	<44	<44
RMW-19		7/17/06	8260b	2,400J	740	0.41J	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	820
RMW-20	Shallow	11/1/00	8260b	3	<5	<0.68	<0.5	<0.57	1.2	0.35J	4.8	2.5	1.3	3.8	29J	
RMW-20	Shallow	1/23/01	8260b	5 UJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		14J
RMW-20	Shallow	4/20/01	8260b	3.5	<5	<0.68	<0.5	<0.57	0.15J	<0.18	0.19VJ	<0.69	<0.14	<0.82	11J	<50

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)											VOLATILE FUEL HYDROCARBONS EPA Method 8015M		
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-20	Shallow	7/19/01	8260b	1.5J	<5	<0.68	<0.5	<0.57	0.11J	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-20	Shallow	10/19/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-20	Shallow	12/19/01	8260b	3.6V	<5	0.68UJ	<0.5	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20	Shallow	1/17/02	8260b	7V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-20 (dup)	Shallow	1/17/02	8260b	7.2V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-20	Shallow	2/22/02	8260b	3.8V	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20	Shallow	3/25/02	8260b	5.0	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20	Shallow	4/30/02	8260b	3.3	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	51V	<50
RMW-20	Shallow	5/28/02	8260b	4.1	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20 (dup)	Shallow	5/28/02	8260b	4.0	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-20	Shallow	6/25/02	8260b	7.3	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20	Shallow	7/30/02	8260b	2.9	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-20	Shallow	8/28/02	8260b	3.4	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	1.0	2.0	3.1		
RMW-20	Shallow	9/30/02	8260b	5.2J	<5	0.68UJ	0.5UJ	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20	Shallow	10/24/02	8260b	13	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-20	Shallow	11/26/02	8260b	5.5	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-20	Shallow	12/20/02	8260b	6.5J	1.9UJ	0.33UJ	<0.78	0.61UJ	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-20	Shallow	1/23/03	8260b	6.1	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-20	Shallow	2/28/03	8260b	3.1	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	3/25/03	8260b	2.2	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	4/29/03	8260b	1.8J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20 (dup)	Shallow	4/29/03	8260b	1.8J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20	Shallow	5/30/03	8260b	3.1	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	6/27/03	8260b	2.1	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	7/25/03	8260b	6.3	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20	Shallow	8/26/03	8260b	20	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	9/26/03	8260b	14	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	10/24/03	8260b	9.1	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20	Shallow	1/23/04	8260b	4.6	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20	Shallow	4/23/04	8260b	12	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20	Shallow	1/11/05	8260b	940	5.9J	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	110
RMW-20	Shallow	5/31/05	524.2	530J	5.1J	0.32UJ	0.27UJ	0.33UJ	0.049UJ	0.029UJ	0.09J	0.069UJ	0.034UJ	--	44UJ	240J
RMW-20 (dup)	Shallow	5/31/05	524.2	540J	4.9UJ	0.32UJ	0.27UJ	0.33UJ	0.049UJ	0.029UJ	0.079J	0.069UJ	0.034UJ	--	44UJ	240J
RMW-20	Shallow	7/18/05	8260b	670	<39	<3.3	<3.3	<3.9	<2.6	<1.7	<3.5	<3.8	<2.1	--	<44	63

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-20	Shallow	11/11/05	8260b	1,500	<3.9	0.33J	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	680
RMW-20	Shallow	4/21/06	524.2	130J	<0.79	0.015UJ	0.011UJ	0.025UJ	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-20	Shallow	7/17/06	8260b	92	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-21	Upper Silverado	1/24/01	8260b	2.3J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-21	Upper Silverado	2/21/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.16J	<0.18	<0.093	<0.69	<0.14	1.0J		
RMW-21 (dup)	Upper Silverado	2/21/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.12J	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	3/13/01	8260b	2.8J	<5	<0.68	<0.5	<0.57	0.21J	<0.18	0.60 UJ	<0.69	0.18J	<0.82		<10
RMW-21	Upper Silverado	4/30/01	8260b	6.8	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	<50
RMW-21	Upper Silverado	5/29/01	8260b	170	6.6J	<0.68	<0.5	<0.57	<0.11	<0.18	0.28J	<0.69	<0.14	<0.82		
RMW-21 (dup)	Upper Silverado	5/29/01	8260b	180	5.4J	<0.68	<0.5	<0.57	<0.11	<0.18	0.29J	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	6/25/01	8260b	760	56	<0.68	<0.5	<0.57	<0.11	<0.18	0.23J	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	7/23/01	8260b	52	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-21	Upper Silverado	10/22/01	8260b	190	9.1J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-21	Upper Silverado	11/30/01	8260b	160	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21 (dup)	Upper Silverado	11/30/01	8260b	170	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	12/28/01	8260b	2,100	360	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	1/25/02	8260b	3,200	280	6.8VJ	<5	5.7VJ	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2	50XJ	710
RMW-21	Upper Silverado	2/25/02	8260b	3,400J	100	0.68UJ	0.74J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	3/21/02	8260b	3,300	480	0.77J	0.7J	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-21 (dup)	Upper Silverado	3/21/02	8260b	3,200	340	0.81J	0.74J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	4/26/02	8260b	4,400J	290	1.2J	0.95J	<0.57	0.34J	<0.18	1XJ	<0.69	<0.14	<0.82	68J	590
RMW-21	Upper Silverado	5/30/02	8260b	3,900	240	1.1J	0.77J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	6/27/02	8260b	3,100	37	0.74J	0.63J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	7/26/02	8260b	3,100	69	0.81J	0.78J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	330
RMW-21	Upper Silverado	8/26/02	8260b	2,800	330	0.76J	0.56J	<0.57	<0.11	<0.18	<0.093	0.81J	0.73J	1.5J		
RMW-21	Upper Silverado	9/26/02	8260b	2,600	69J	<6.8	<5	<5.7	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2		
RMW-21 (dup)	Upper Silverado	9/26/02	8260b	2,500	62J	<6.8	<5	<5.7	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2		
RMW-21	Upper Silverado	10/25/02	8260b	2,300	12J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	740
RMW-21	Upper Silverado	11/22/02	8260b	1,800	99	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-21 (dup)	Upper Silverado	11/22/02	8260b	1,600	350	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-21	Upper Silverado	12/18/02	8260b	1,200J	30J	1.3UJ	<3.1	<2.4	<1.1	<1	<2	<2.1	<0.96	<2.1		
RMW-21 (dup)	Upper Silverado	12/18/02	8260b	1,400J	28J	1.3UJ	<3.1	<2.4	<1.1	<1	<2	<2.1	<0.96	<2.1		
RMW-21	Upper Silverado	1/22/03	8260b	910	70	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	470
RMW-21	Upper Silverado	2/26/03	8260b	25	10UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-21	Upper Silverado	3/26/03	8260b	8.0	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-21	Upper Silverado	4/23/03	8260b	12	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21 (dup)	Upper Silverado	4/23/03	8260b	12	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21	Upper Silverado	5/28/03	8260b	15	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-21	Upper Silverado	6/25/03	8260b	4.4	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-21	Upper Silverado	7/23/03	8260b	5.9	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21	Upper Silverado	8/27/03	8260b	1.7J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-21	Upper Silverado	9/24/03	8260b	5.9	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-21	Upper Silverado	10/31/03	8260b	6.2	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21	Upper Silverado	1/21/04	8260b	6.3	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21	Upper Silverado	4/21/04	8260b	1.9J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21	Upper Silverado	1/12/05	8260b	0.97J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-21	Upper Silverado	4/20/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-21	Upper Silverado	7/13/05	8260b	2.0	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-21	Upper Silverado	10/12/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-21	Upper Silverado	4/18/06	524.2	1.3	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016		<44	<44
RMW-21	Upper Silverado	7/14/06	8260b	5.5	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-22	Shallow	1/24/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-22 (dup)	Shallow	1/24/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-22	Shallow	2/21/01	8260b	0.36J	<5	<0.68	<0.5	<0.57	0.16J	0.27J	0.87J	1.6	0.65J	2.3		
RMW-22	Shallow	3/13/01	8260b	0.28U	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.34 UJ	<0.69	<0.14	<0.82		<10
RMW-22	Shallow	4/30/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-22	Shallow	5/29/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.18J	<0.69	<0.14	<0.82		
RMW-22	Shallow	6/25/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	7/23/01	8260b	<0.28	<5	<0.68	0.5UJ	<0.57	<0.11	0.42J	<0.093	1.2	0.14J	1.4J		<50
RMW-22	Shallow	10/22/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-22	Shallow	11/30/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	12/28/01	8260b	2XJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	1/25/02	8260b	<2.5	<5	0.68UJ	<0.5	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	12J	<50
RMW-22	Shallow	2/25/02	8260b	2.7	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	3/21/02	8260b	2XJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	4/26/02	8260b	5.6V	<5	<0.68	<0.5	<0.57	0.39J	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-22 (dup)	Shallow	4/26/02	8260b	9.4V	<5	<0.68	<0.5	<0.57	0.44J	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-22	Shallow	5/30/02	8260b	0.84J	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-22	Shallow	6/27/02	8260b	0.4J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	8/12/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.5XJ	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-22 (dup)	Shallow	8/12/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.5XJ	1XJ	1XJ	1.4V	1XJ	2XJ	50XJ	<50
RMW-22	Shallow	8/26/02	8260b	0.47J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	9/26/02	8260b	0.44J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	11/1/02	8260b	2XJ	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-22	Shallow	11/22/02	8260b	2V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-22	Shallow	12/18/02	8260b	6.6J	<1.9	0.33UJ	<0.78	0.61UJ	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-22	Shallow	1/22/03	8260b	16	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-22	Shallow	2/26/03	8260b	36	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	3/26/03	8260b	82	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	4/23/03	8260b	96	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	50J
RMW-22	Shallow	5/28/03	8260b	110	21J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	6/25/03	8260b	43	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	7/23/03	8260b	20	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	48J
RMW-22	Shallow	8/27/03	8260b	61	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	9/24/03	8260b	75	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	10/31/03	8260b	16	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-22	Shallow	1/21/04	8260b	12	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-22	Shallow	4/21/04	8260b	5.9	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-22	Shallow	1/12/05	8260b	10	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-22	Shallow	4/20/05	524.2	71	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-22	Shallow	7/13/05	8260b	6.3	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-22	Shallow	10/12/05	8260b	340	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	51
RMW-22	Shallow	4/18/06	524.2	0.095J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-22	Shallow	7/14/06	8260b	32	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-23	Upper Silverado	12/11/00	8260b	1,100J	<50	<0.68	<5	<5.7	<1.1	<1.8	1.4U	<6.9	<1.4	<8.2	18U	
RMW-23	Upper Silverado	1/22/01	8260b	1,700	30J	<2.7	<2	<2.3	<0.44	<0.72	<0.37	<2.8	<0.56	<3.3	<10	
RMW-23	Upper Silverado	2/21/01	8260b	1,700	280	<0.68	<0.5	<0.57	0.11J	<0.18	0.35J	<0.69	0.17J	<0.82		
RMW-23	Upper Silverado	3/13/01	8260b	1,600	38J	<1.4	<1	<1.1	<0.22	<0.36	<0.19	<1.4	<0.28	<1.6		530
RMW-23	Upper Silverado	4/19/01	8260b	1,800	<100	<14	<10	<11	<2.2	<3.6	4.6J	<14	<2.8	<16	130J	590
RMW-23	Upper Silverado	6/1/01	8260b	1,300	15J	<0.68	<0.5	<0.57	0.13J	<0.18	0.26J	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	6/28/01	8260b	1,200	150	<0.68	<0.5	<0.57	<0.11	<0.18	0.24J	<0.69	0.14J	<0.82		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)											VOLATILE FUEL HYDROCARBONS EPA Method 8015M		
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-23	Upper Silverado	7/18/01	8260b	1,400	220	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		510
RMW-23 (dup)	Upper Silverado	7/18/01	8260b	130	170	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		400
RMW-23	Upper Silverado	10/18/01	8260b	1,100	55	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<20	320
RMW-23 (dup)	Upper Silverado	10/18/01	8260b	1,100	64	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	260
RMW-23	Upper Silverado	11/21/01	8260b	1,100	23J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	12/20/01	8260b	1,400	31	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23 (dup)	Upper Silverado	12/20/01	8260b	1,600	25	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	1/16/02	8260b	2,200	270	<6.8	<5	<5.7	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2	50XJ	1,200
RMW-23	Upper Silverado	2/21/02	8260b	2,600J	19J	0.75J	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-23 (dup)	Upper Silverado	2/21/02	8260b	2,700J	29	0.71J	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	3/22/02	8260b	2,600	480	2.7V	2V	2.3V	0.44V	0.72V	0.37V	2.8V	0.56V	3.3V		
RMW-23 (dup)	Upper Silverado	3/22/02	8260b	1,700	140	3.4V	2.5V	2.8V	0.6J	0.9V	0.7J	3.4V	0.7V	4.1V		
RMW-23	Upper Silverado	4/29/02	8260b	920	76	<1.4	<1	<1.1	<0.22	<0.36	2XJ	<1.4	<0.28	<1.6	52V	410
RMW-23 (dup)	Upper Silverado	4/29/02	8260b	1,200	81	<1.4	<1	<1.1	<0.22	<0.36	<0.19	<1.4	<0.28	<1.6	50XJ	460
RMW-23	Upper Silverado	5/24/02	8260b	2,900	110J	0.94J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	6/24/02	8260b	2,900	12J	0.86J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	7/24/02	8260b	1,800	42	0.69J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	11J	340J
RMW-23 (dup)	Upper Silverado	7/24/02	8260b	1,900	36	0.71J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	11J	300J
RMW-23	Upper Silverado	8/22/02	8260b	1,200	<12	<1.7	<1.2	<1.4	<0.28	<0.45	<0.23	<1.7	<0.35	<2.0		
RMW-23	Upper Silverado	9/23/02	8260b	920	36	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23 (dup)	Upper Silverado	9/23/02	8260b	900	47	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	10/22/02	8260b	500	7.8J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	200
RMW-23	Upper Silverado	11/25/02	8260b	350	5.1J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-23	Upper Silverado	12/23/02	8260b	330J	5.6J	0.33UJ	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38		
RMW-23	Upper Silverado	1/21/03	8260b	190	6.6J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	65J
RMW-23	Upper Silverado	2/25/03	8260b	170J	12UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23	Upper Silverado	3/24/03	8260b	110	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23 (dup)	Upper Silverado	3/24/03	8260b	130	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23	Upper Silverado	4/25/03	8260b	36	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-23	Upper Silverado	5/27/03	8260b	39	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23	Upper Silverado	6/23/03	8260b	41	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23 (dup)	Upper Silverado	6/23/03	8260b	40	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23	Upper Silverado	7/24/03	8260b	27	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-23	Upper Silverado	8/25/03	8260b	5.3	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23 (dup)	Upper Silverado	8/25/03	8260b	4.3	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-23	Upper Silverado	9/29/03	8260b	83	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23	Upper Silverado	10/23/03	8260b	19	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-23	Upper Silverado	1/22/04	8260b	7.8	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-23	Upper Silverado	4/22/04	8260b	2.8	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-23	Upper Silverado	4/21/05	524.2	1.8	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-23	Upper Silverado	7/11/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-23	Upper Silverado	11/18/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-23	Upper Silverado	4/11/06	524.2	0.31J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-23	Upper Silverado	7/13/06	8260b	1.2J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-24	Shallow	12/11/00	8260b	2,200	<100	<14	<10	<11	<2.2	<3.6	<1.9	<14	<2.8	<16	22U	
RMW-24	Shallow	1/22/01	8260b	2,600	31J	<3.4	<2.5	<2.8	<0.55	<0.9	<0.47	<3.4	<0.7	<4.1	<10	
RMW-24 (dup)	Shallow	1/22/01	8260b	2,400	56	1.1J	<0.5	<0.57	<0.11	<0.18	<0.093	0.73J	<0.14	<0.82	<10	
RMW-24	Shallow	2/21/01	8260b	2,700	220	0.94J	<0.5	<0.57	0.11J	<0.18	0.48J	<0.69	0.21J	<0.82		
RMW-24	Shallow	3/13/01	8260b	2,700J	57J	<3.4	<2.5	<2.8	<0.55	<0.9	<0.47	<3.4	<0.7	<4.1		1,300
RMW-24	Shallow	4/19/01	8260b	4,600	<500	<68	<50	<57	<11	<18	<9.3	<69	<14	<82	470J	2,700
RMW-24	Shallow	6/1/01	8260b	<0.28	41	1.3J	<0.5	<0.57	0.19VJ	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	6/28/01	8260b	3,400	540	1.3J	<0.5	<0.57	<0.11	<0.18	0.28VJ	<0.69	0.15VJ	<0.82		
RMW-24	Shallow	7/18/01	8260b	3,700	6.1J	1.4J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		1,700
RMW-24	Shallow	10/18/01	8260b	3,500	170	1.1J	0.69J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	18J	1,700
RMW-24	Shallow	11/21/01	8260b	5,800	210	1.8J	0.8J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	12/20/01	8260b	5,700	220	1.7J	0.89J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	1/16/02	8260b	3,000	260	1J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	56V	1,900
RMW-24	Shallow	2/21/02	8260b	3,000J	19J	0.87J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	3/22/02	8260b	2,600	130J	6.8V	5V	5.7V	1.1V	1.8V	1.1J	6.9V	1.4V	8.2V		
RMW-24	Shallow	4/29/02	8260b	1,900	110	<2.7	<2	<2.3	<0.44	<0.72	<0.37	<2.8	<0.56	<3.3	50XJ	820
RMW-24	Shallow	5/24/02	8260b	1,100	46J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24 (dup)	Shallow	5/24/02	8260b	1,100	54J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	6/24/02	8260b	780	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	7/24/02	8260b	1,100	24J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	190J
RMW-24	Shallow	8/22/02	8260b	1,200	56J	<1.7	<1.2	<1.4	0.60J	<0.45	<0.23	<1.7	<0.35	<2.0		
RMW-24 (dup)	Shallow	8/22/02	8260b	950	45J	<1.7	<1.2	<1.4	<0.28	<0.45	<0.23	<1.7	<0.35	<2.0		
RMW-24	Shallow	9/23/02	8260b	960	51	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	10/22/02	8260b	810	18J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	310
RMW-24 (dup)	Shallow	10/22/02	8260b	810	17J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	310

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)											VOLATILE FUEL HYDROCARBONS EPA Method 8015M		
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-24	Shallow	11/25/02	8260b	790	8.0J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-24	Shallow	12/23/02	8260b	470J	14J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38		
RMW-24	Shallow	1/21/03	8260b	240	8.8J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	100XJ
RMW-24	Shallow	2/25/03	8260b	320J	42J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24	Shallow	3/24/03	8260b	480	7.4J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24 (dup)	Shallow	3/24/03	8260b	460	5.5J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24	Shallow	4/25/03	8260b	280	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-24	Shallow	5/27/03	8260b	160	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24	Shallow	6/23/03	8260b	180	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24	Shallow	7/24/03	8260b	110	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	64
RMW-24 (dup)	Shallow	7/24/03	8260b	120	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	90
RMW-24	Shallow	8/25/03	8260b	82	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24	Shallow	9/29/03	8260b	230	<25	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
RMW-24	Shallow	10/23/03	8260b	92	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	57
RMW-24	Shallow	1/22/04	8260b	6.7	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-24	Shallow	4/22/04	8260b	0.64J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-24	Shallow	4/21/05	524.2	22	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-24	Shallow	7/27/05	8260b	0.52J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-24	Shallow	10/17/05	8260b	0.53J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-24	Shallow	4/20/06	524.2	0.56	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-24	Shallow	7/13/06	8260b	1.1J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-25	Shallow	8/6/01	8260b	0.51J	<5	<0.68	1.2J	<0.57	0.17J	<0.18	1X	<0.69	0.15J	<0.82		90J
RMW-25	Shallow	11/8/01	8260b	0.48J	<5	<0.68	1J	<0.57	0.12J	<0.18	1XJ	<0.69	<0.14	<0.82	85	99J
RMW-25	Shallow	1/21/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-25	Shallow	4/22/02	8260b	0.62J	<5	<0.68	0.75J	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	51V	50J
RMW-25	Shallow	7/22/02	8260b	2XJ	<5	<0.68	0.69J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	39J	<50
RMW-25	Shallow	10/31/02	8260b	0.78J	<5	<0.68	0.59J	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	33J	<50
RMW-25	Shallow	1/30/03	8260b	0.71J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	27J	<50
RMW-25	Shallow	4/22/03	8260b	0.43J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-25	Shallow	7/22/03	8260b	0.46J	<4.9	<0.32	0.33J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-25	Shallow	10/21/03	8260b	0.52J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-25	Shallow	1/20/04	8260b	0.41J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-25	Shallow	4/20/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-25	Shallow	4/19/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-25	Shallow	4/17/06	524.2	31	<0.79	<0.015	0.21J	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-25	Shallow	7/14/06	8260b	260J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	92	110
RMW-27	Shallow	2/20/01	8260b	2,000	76J	<6.8	<5	<5.7	<1.1	<1.8	1.2J	<6.9	<1.4	<8.2		
RMW-27	Shallow	3/12/01	8260b	1,400	54	<0.68	<0.5	<0.57	0.11J	<0.18	0.30J	<0.69	<0.14	<0.82		720
RMW-27 (dup)	Shallow	3/12/01	8260b	1,500J	100	<0.68	<0.5	<0.57	0.12J	<0.18	0.38J	<0.69	0.14J	<0.82		670
RMW-27	Shallow	4/30/01	8260b	1,300	97	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	15J	540
RMW-27 (dup)	Shallow	4/30/01	8260b	1,400	95	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	16J	510
RMW-27	Shallow	5/29/01	8260b	1,300	57J	<2.7	<2	<2.3	<0.44	<0.72	0.68VJ	<2.8	<0.56	<3.3		
RMW-27	Shallow	6/25/01	8260b	1,600	30J	<1.4	<1	<1.1	<0.22	<0.36	0.36J	<1.4	<0.28	<1.6		
RMW-27 (dup)	Shallow	6/25/01	8260b	1,400	30J	<1.4	<1	<1.1	<0.22	<0.36	0.34J	<1.4	<0.28	<1.6		
RMW-27	Shallow	7/23/01	8260b	2,100	69	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		550
RMW-27	Shallow	10/22/01	8260b	690	92J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	260
RMW-27	Shallow	11/20/01	8260b	1,100J	5.7J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	12/19/01	8260b	1,200	21J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	1/25/02	8260b	410	35	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	200
RMW-27	Shallow	2/25/02	8260b	440	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	3/21/02	8260b	420	30	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	4/26/02	8260b	390J	14J	<0.68	<0.5	<0.57	0.51	<0.18	0.29J	<0.69	<0.14	<0.82	50XJ	77J
RMW-27 (dup)	Shallow	4/26/02	8260b	490J	14J	<0.68	<0.5	<0.57	0.51	<0.18	0.32J	<0.69	<0.14	<0.82	50XJ	78J
RMW-27	Shallow	5/23/02	8260b	640	120	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-27 (dup)	Shallow	5/23/02	8260b	550	120	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	6/21/02	8260b	580J	12J	0.68UJ	<0.5	<0.57	<0.11	<0.18	0.53J	<0.69	<0.14	<0.82		
RMW-27 (dup)	Shallow	6/21/02	8260b	620J	14J	0.68UJ	<0.5	<0.57	<0.11	<0.18	0.57J	<0.69	<0.14	<0.82		
RMW-27	Shallow	7/26/02	8260b	360	7.2J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-27 (dup)	Shallow	7/26/02	8260b	360	6J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-27	Shallow	8/26/02	8260b	260	28	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	10/25/02	8260b	170	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-27	Shallow	1/22/03	8260b	32	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-27	Shallow	4/23/03	8260b	350	25J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	120
RMW-27	Shallow	7/23/03	8260b	83	11J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	78
RMW-27 (dup)	Shallow	7/23/03	8260b	83	10J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	72
RMW-27	Shallow	10/31/03	8260b	7.2	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-27	Shallow	1/21/04	8260b	2.5	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-27	Shallow	4/21/04	8260b	1.6J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)											VOLATILE FUEL		
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	HYDROCARBONS EPA Method 8015M	
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-27	Shallow	4/20/05	524.2	2.0	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-27	Shallow	4/18/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--	<48	<48
RMW-28	Upper Silverado	1/26/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.25J	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-28	Upper Silverado	5/2/01	8260b	1J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-28	Upper Silverado	7/26/01	8260b	<0.28	5UJ	<0.68	0.5UJ	<0.57	<0.11	<0.18	0.12VJ	<0.69	<0.14	<0.82		50UJ
RMW-28	Upper Silverado	10/25/01	8260b	0.49J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-28 (dup)	Upper Silverado	10/25/01	8260b	0.44J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-28	Upper Silverado	1/31/02	8260b	0.84J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-28	Upper Silverado	4/25/02	8260b	0.64J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-28	Upper Silverado	7/25/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-28	Upper Silverado	10/31/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.19J	1XJ	0.55J	<0.14	<0.82	<10	<50
RMW-28	Upper Silverado	1/30/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-28	Upper Silverado	4/24/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-28	Upper Silverado	7/31/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-28	Upper Silverado	10/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-28	Upper Silverado	1/29/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	44UJ	44UJ
RMW-28	Upper Silverado	4/29/04	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-28	Upper Silverado	4/28/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-28	Upper Silverado	4/24/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-29	Shallow	1/26/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.27J	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-29	Shallow	5/2/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.13VJ	<0.18	0.12VJ	<0.69	<0.14	<0.82	<10	<50
RMW-29	Shallow	7/26/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.19J	<0.69	<0.14	<0.82		50UJ
RMW-29	Shallow	10/25/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-29	Shallow	1/31/02	8260b	0.5J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-29	Shallow	4/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-29	Shallow	7/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-29 (dup)	Shallow	7/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-29	Shallow	10/31/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-29	Shallow	1/30/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-29	Shallow	4/24/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-29	Shallow	7/31/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-29	Shallow	10/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-29	Shallow	1/29/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	44UJ	44UJ
RMW-29	Shallow	4/29/04	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-29	Shallow	4/28/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-29	Shallow	4/24/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-30	Upper Silverado	8/7/01	8260b	190	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1X	<0.69	<0.14	<0.82		90J
RMW-30	Upper Silverado	10/26/01	8260b	200	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	76J
RMW-30	Upper Silverado	12/18/01	8260b	100	<5	<0.68	<0.5	<0.57	1.5	1.8	6.3	7.2	1.8	9		
RMW-30	Upper Silverado	12/27/01	8260b	97J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	1/23/02	8260b	48	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-30	Upper Silverado	2/27/02	8260b	57	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	3/27/02	8260b	60	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	4/17/02	8260b	28	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	69	66J
RMW-30	Upper Silverado	6/5/02	8260b	50J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	6/26/02	8260b	44	25XJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	7/17/02	8260b	40	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-30 (dup)	Upper Silverado	7/17/02	8260b	39	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-30	Upper Silverado	8/21/02	8260b	34	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	10/16/02	8260b	17	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-30	Upper Silverado	1/15/03	8260b	26	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-30 (dup)	Upper Silverado	1/15/03	8260b	26	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-30	Upper Silverado	4/16/03	8260b	18	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30	Upper Silverado	7/16/03	8260b	32	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30	Upper Silverado	10/15/03	8260b	19	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30 (dup)	Upper Silverado	10/15/03	8260b	20	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30	Upper Silverado	1/14/04	8260b	7.7	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30	Upper Silverado	4/14/04	8260b	1.7J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30 (dup)	Upper Silverado	4/14/04	8260b	1.4J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30	Upper Silverado	4/13/05	524.2	2.9	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-30	Upper Silverado	5/31/06	524.2	9.6	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-31	Shallow	9/6/01	8260b	5X	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-31	Shallow	10/26/01	8260b	0.62J	<5	<0.68	<0.5	<0.57	0.2J	0.39J	1.2	1.6	0.52J	2.2	<10	<50
RMW-31	Shallow	12/18/01	8260b	0.28UJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-31	Shallow	12/27/01	8260b	0.28UJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-31	Shallow	1/23/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-31 (dup)	Shallow	1/23/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-31	Shallow	2/27/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-31	Shallow	3/27/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-31	Shallow	4/17/02	8260b	<0.28	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-31	Shallow	6/5/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-31	Shallow	6/26/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-31	Shallow	7/17/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-31	Shallow	8/21/02	8260b	0.28UJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-31	Shallow	10/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.43J	<0.5	<0.14	<0.82	<10	<50
RMW-31	Shallow	1/15/03	8260b	<0.33	<1.9	0.33UJ	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-31	Shallow	4/16/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31	Shallow	7/16/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31	Shallow	10/15/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31	Shallow	1/14/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31 (dup)	Shallow	1/14/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31	Shallow	4/14/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31	Shallow	4/13/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-31	Shallow	5/31/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-32	Upper Silverado	6/7/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.3J	<0.69	<0.14	<0.82		
RMW-32	Upper Silverado	8/6/01	8260b	<0.28	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	0.13J	<0.69	<0.14	<0.82		<50
RMW-32	Upper Silverado	11/8/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	10J	<50
RMW-32	Upper Silverado	1/21/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-32 (dup)	Upper Silverado	1/21/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-32	Upper Silverado	4/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.28J	1XJ	0.82J	0.14J	0.96J	50XJ	<50
RMW-32 (dup)	Upper Silverado	4/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.19J	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-32	Upper Silverado	7/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10UJ	50UJ
RMW-32 (dup)	Upper Silverado	7/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10UJ	50UJ
RMW-32	Upper Silverado	10/23/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-32	Upper Silverado	1/24/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-32	Upper Silverado	4/24/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-32	Upper Silverado	7/31/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-32	Upper Silverado	10/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-32 (dup)	Upper Silverado	10/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-32	Upper Silverado	1/29/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	44UJ	44UJ
RMW-32	Upper Silverado	4/29/04	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-32	Upper Silverado	4/28/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)											VOLATILE FUEL HYDROCARBONS EPA Method 8015M		
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-32	Upper Silverado	4/13/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-33	Shallow	6/7/01	8260b	1.4VJ	<5	<0.68	<0.5	<0.57	0.12J	<0.18	0.23J	<0.69	<0.14	<0.82		
RMW-33	Shallow	8/6/01	8260b	1.1J	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	0.11J	<0.69	<0.14	<0.82		<50
RMW-33	Shallow	11/8/01	8260b	0.76J	<5	<0.68	<0.5	<0.57	1.4	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-33	Shallow	1/21/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	0.18J	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-33	Shallow	4/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-33	Shallow	7/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	50UJ
RMW-33	Shallow	10/23/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-33	Shallow	1/24/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-33	Shallow	4/24/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-33	Shallow	7/31/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-33	Shallow	10/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-33	Shallow	1/29/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	44UJ	44UJ
RMW-33	Shallow	4/29/04	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-33	Shallow	4/28/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-33	Shallow	4/13/06	524.2	0.11J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-48	Shallow	5/8/01	8260b	0.58J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-48	Shallow	6/1/01	8260b	0.58VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.23J	<0.69	<0.14	<0.82		
RMW-48 (dup)	Shallow	6/1/01	8260b	0.61VJ	<5	<0.68	<0.5	<0.57	0.12J	<0.18	0.22J	<0.69	<0.14	<0.82		
RMW-48	Shallow	6/28/01	8260b	0.4VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.25J	<0.69	<0.14	<0.82		
RMW-48	Shallow	7/20/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-48	Shallow	10/18/01	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-48	Shallow	11/21/01	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48	Shallow	12/20/01	8260b	55	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48	Shallow	1/16/02	8260b	1,600	230	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	570
RMW-48	Shallow	2/21/02	8260b	1,400	120	<0.68	<0.5	<0.57	<0.11	0.19J	1XJ	0.7J	0.53J	1.2J		
RMW-48	Shallow	3/22/02	8260b	1,700	12J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	0.24J	<0.82		
RMW-48	Shallow	4/29/02	8260b	2,800J	91J	<6.8	<5	<5.7	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2	100V	1,100
RMW-48	Shallow	5/24/02	8260b	3,700	120	1.6J	0.64J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48	Shallow	6/24/02	8260b	4,400	<5	1.2J	0.6J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48	Shallow	7/24/02	8260b	3,600	300	1.5J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	17J	480
RMW-48	Shallow	8/22/02	8260b	3,200	370	1.2J	0.51J	<0.57	<0.11	<0.18	<0.093	4.0	2.9	6.9		
RMW-48 (dup)	Shallow	8/22/02	8260b	3,200	350	0.92J	<0.5	<0.57	<0.11	<0.18	<0.093	4.3	3.2	7.5		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.		Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)											VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
				EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl- benzene	Toluene	m,p- Xylenes	o- Xylene	Total Xylenes	C6-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-48	Shallow	9/23/02	8260b	2,000	140	1.0J	0.56J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48 (dup)	Shallow	9/23/02	8260b	1,600	150	1.1J	0.60J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48	Shallow	10/22/02	8260b	2,700	21J	1.1J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	600
RMW-48	Shallow	11/25/02	8260b	3,600	120	1.2J	0.65J	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-48	Shallow	12/23/02	8260b	1,600	29J	<1.3	<3.1	<2.4	<1.1	<1	<2	<1.5	<0.96	<1.5		
RMW-48	Shallow	1/21/03	8260b	1,800	190	0.91J	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	600
RMW-48	Shallow	2/25/03	8260b	2,600J	780J	0.76J	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-48	Shallow	3/24/03	8260b	2,400	1,100J	0.57J	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-48	Shallow	4/25/03	8260b	2,000	46J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	740
RMW-48	Shallow	5/27/03	8260b	1,200	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	1.8J	1.4J	0.53J	1.9J		
RMW-48	Shallow	6/23/03	8260b	2,000	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-48	Shallow	7/24/03	8260b	1,800	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	1,000
RMW-48	Shallow	8/25/03	8260b	1,800	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-48	Shallow	9/29/03	8260b	1,400	<99	<6.4	<5.3	<6.6	<5.8	<3.9	<7	<3.4	<3.2	<3.2		
RMW-48	Shallow	10/23/03	8260b	1,200	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	640
RMW-48	Shallow	1/22/04	8260b	530	89J	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	230
RMW-48	Shallow	4/22/04	8260b	590	<25	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	390
RMW-48	Shallow	1/17/05	8260b	9.8	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-48	Shallow	5/31/05	524.2	6.9J	4.9UJ	0.32UJ	0.27UJ	0.33UJ	0.049UJ	0.029UJ	0.74J	0.069UJ	0.034UJ	--	44UJ	44UJ
RMW-48	Shallow	7/11/05	8260b	10	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-48	Shallow	11/18/05	8260b	2J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-48	Shallow	5/31/06	524.2	3.5	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-48	Shallow	7/13/06	8260b	5.1	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-49	Upper Silverado	5/8/01	8260b	290	5J	<0.68	<0.5	<0.57	<0.11	<0.18	0.15VJ	<0.69	<0.14	<0.82	<10	170
RMW-49	Upper Silverado	6/1/01	8260b	240	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.24J	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	6/28/01	8260b	290	30	<0.68	<0.5	<0.57	<0.11	<0.18	0.29J	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	7/20/01	8260b	21	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-49	Upper Silverado	10/18/01	8260b	49	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-49	Upper Silverado	11/21/01	8260b	130	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	12/20/01	8260b	42	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	1/16/02	8260b	330	33	<0.68	<0.5	<0.57	<0.11	<0.18	0.16J	<0.69	<0.14	<0.82	50XJ	140
RMW-49 (dup)	Upper Silverado	1/16/02	8260b	360	34	<0.68	<0.5	<0.57	<0.11	<0.18	0.17J	<0.69	<0.14	<0.82	50XJ	150
RMW-49	Upper Silverado	2/21/02	8260b	93	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.11J	<0.69	<0.14	<0.82		

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-49	Upper Silverado	3/22/02	8260b	270	20J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49 (dup)	Upper Silverado	3/22/02	8260b	330	29	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	4/29/02	8260b	520	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	78V	230
RMW-49	Upper Silverado	5/24/02	8260b	410	13J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	6/24/02	8260b	540	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49 (dup)	Upper Silverado	6/24/02	8260b	630	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	7/24/02	8260b	660	19J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	18J	150J
RMW-49	Upper Silverado	8/22/02	8260b	780	42J	<1.4	<1	<1.1	<0.22	1.0J	<0.19	9.4	5.7	15		
RMW-49	Upper Silverado	9/23/02	8260b	1,300	65	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	1.0	1.5J		
RMW-49	Upper Silverado	10/22/02	8260b	1,400	31	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	0.19J	<0.82	50XJ	520
RMW-49	Upper Silverado	11/25/02	8260b	340	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-49 (dup)	Upper Silverado	11/25/02	8260b	360	8.2J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-49	Upper Silverado	12/23/02	8260b	180	6.8J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38		
RMW-49	Upper Silverado	1/21/03	8260b	370	40	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	280
RMW-49	Upper Silverado	2/25/03	8260b	360J	59J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-49	Upper Silverado	3/24/03	8260b	230	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-49 (dup)	Upper Silverado	3/24/03	8260b	260	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-49	Upper Silverado	4/25/03	8260b	140	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	110
RMW-49	Upper Silverado	5/27/03	8260b	330	13J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	0.21J	<0.16	0.21J	<44	110
RMW-49	Upper Silverado	6/23/03	8260b	390	<9.9	<0.64	<0.53	<0.66	<0.58	<0.39	0.74J	1.3J	<0.32	1.3J		
RMW-49 (dup)	Upper Silverado	6/23/03	8260b	370	12J	<0.64	<0.53	<0.66	<0.58	<0.39	<0.74	0.54J	<0.32	0.54J		
RMW-49	Upper Silverado	7/24/03	8260b	400	11J	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32	<44	260
RMW-49	Upper Silverado	8/25/03	8260b	450J	<9.9	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32		
RMW-49	Upper Silverado	9/29/03	8260b	600	45J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	5XJ	<0.79	10XJ		
RMW-49	Upper Silverado	10/23/03	8260b	850	<25	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	460
RMW-49	Upper Silverado	1/22/04	8260b	470	43J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	180
RMW-49	Upper Silverado	4/22/04	8260b	350	<25	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	240
RMW-49	Upper Silverado	1/17/05	8260b	27	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-49	Upper Silverado	5/31/05	524.2	3.3J	4.9UJ	0.32UJ	0.27UJ	0.33UJ	0.049UJ	0.029UJ	0.038UJ	0.069UJ	0.034UJ	--	44UJ	44UJ
RMW-49	Upper Silverado	7/11/05	8260b	11	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-49	Upper Silverado	10/17/05	8260b	13	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-49	Upper Silverado	5/31/06	524.2	16J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-49	Upper Silverado	7/13/06	8260b	17	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.		Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)											VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
				EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl- benzene	Toluene	m,p- Xylenes	o- Xylene	Total Xylenes	
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-50	Upper Silverado	5/3/01	8260b	270	7J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	140
RMW-50 (dup)	Upper Silverado	5/3/01	8260b	280	5.6J	0.68UJ	0.61J	0.57UJ	<0.11	<0.18	0.12VJ	<0.69	<0.14	<0.82	<10	140
RMW-50	Upper Silverado	5/30/01	8260b	510	<10	<1.4	<1	<1.1	<0.22	<0.36	0.22J	<1.4	<0.28	<1.6		
RMW-50	Upper Silverado	6/27/01	8260b	170	14J	<0.68	<0.5	<0.57	<0.11	<0.18	0.36VJ	<0.69	0.21VJ	<0.82		
RMW-50 (dup)	Upper Silverado	6/27/01	8260b	170	16J	<0.68	<0.5	<0.57	<0.11	<0.18	0.36VJ	<0.69	0.21VJ	<0.82		
RMW-50	Upper Silverado	7/27/01	8260b	340	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.24J	<0.69	0.15J	<0.82		120
RMW-50	Upper Silverado	10/17/01	8260b	250	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	110
RMW-50	Upper Silverado	11/28/01	8260b	180J	7J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50 (dup)	Upper Silverado	11/28/01	8260b	160J	11J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50	Upper Silverado	12/27/01	8260b	140J	8.4J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50 (dup)	Upper Silverado	12/27/01	8260b	98J	5J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50	Upper Silverado	1/23/02	8260b	160	10J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-50	Upper Silverado	2/20/02	8260b	100	12J	<0.68	<0.5	<0.57	<0.11	<0.18	0.12J	<0.69	<0.14	<0.82		
RMW-50 (dup)	Upper Silverado	2/20/02	8260b	120	12J	<0.68	<0.5	<0.57	1.4	4.9	0.54J	2.3	0.48J	2.8		
RMW-50	Upper Silverado	3/26/02	8260b	180	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50	Upper Silverado	5/1/02	8260b	130	<5	<0.68	<0.5	<0.57	0.59V	1.7V	4.2V	6.7V	2V	8.7V	50XJ	76J
RMW-50	Upper Silverado	5/30/02	8260b	160	25XJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50	Upper Silverado	6/27/02	8260b	150	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50 (dup)	Upper Silverado	6/27/02	8260b	160	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50	Upper Silverado	7/17/02	8260b	100	<5	<0.68	<0.5	<0.57	0.15J	<0.18	<0.093	<0.69	<0.14	<0.82	22J	54J
RMW-50 (dup)	Upper Silverado	7/17/02	8260b	140	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-50	Upper Silverado	8/21/02	8260b	110	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	0.18J	<0.82		
RMW-50 (dup)	Upper Silverado	8/21/02	8260b	95	<5	<0.68	<0.5	<0.57	0.5XJ	1XJ	1XJ	1V	0.22J	2XJ		
RMW-50	Upper Silverado	10/16/02	8260b	98	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	73J
RMW-50 (dup)	Upper Silverado	10/16/02	8260b	100	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	61J
RMW-50	Upper Silverado	1/15/03	8260b	100	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-50 (dup)	Upper Silverado	1/15/03	8260b	100	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-50	Upper Silverado	4/16/03	8260b	67	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-50	Upper Silverado	7/16/03	8260b	4.6	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-50	Upper Silverado	10/15/03	8260b	7.4	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-50	Upper Silverado	1/14/04	8260b	23	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-50 (dup)	Upper Silverado	1/14/04	8260b	21	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-50	Upper Silverado	4/14/04	8260b	18	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-50 (dup)	Upper Silverado	4/14/04	8260b	17	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0		
RMW-50	Upper Silverado	1/12/05	8260b	2.6	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-50 (dup)	Upper Silverado	1/12/05	8260b	2.6	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-50	Upper Silverado	4/13/05	524.2	1.1	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-50 (dup)	Upper Silverado	4/13/05	524.2	1.0	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-50	Upper Silverado	7/13/05	8260b	1.9J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-50 (dup)	Upper Silverado	7/13/05	8260b	2.0	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-50	Upper Silverado	10/12/05	8260b	0.59J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-50 (dup)	Upper Silverado	10/12/05	8260b	0.4J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-50	Upper Silverado	6/1/06	524.2	3.7	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-50	Upper Silverado	7/12/06	8260b	3.3	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-51	Shallow	5/3/01	8260b	5.5	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.15J	<0.69	<0.14	<0.82	<10	<50
RMW-51	Shallow	5/30/01	8260b	94J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.35VJ	<0.69	0.14J	<0.82		
RMW-51 (dup)	Shallow	5/30/01	8260b	94J	5.5J	<0.68	<0.5	<0.57	<0.11	<0.18	0.33VJ	<0.69	<0.14	<0.82		
RMW-51	Shallow	6/27/01	8260b	40	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.41J	<0.69	0.25J	<0.82		
RMW-51	Shallow	7/27/01	8260b	13	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.22J	<0.69	0.15J	<0.82		<50
RMW-51	Shallow	10/17/01	8260b	7.6	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-51	Shallow	11/28/01	8260b	2.2J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	12/27/01	8260b	2.5VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	1/23/02	8260b	1.1J	<5	0.68UJ	0.5UJ	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-51	Shallow	2/20/02	8260b	0.65J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51 (dup)	Shallow	2/20/02	8260b	0.77J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	3/26/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.13J	<0.69	<0.14	<0.82		
RMW-51	Shallow	5/1/02	8260b	4.2V	17J	<0.68	<0.5	<0.57	7V	6.3V	22V	24V	7.5V	32	50XJ	<50
RMW-51	Shallow	5/31/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	6/27/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	7/17/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.15J	<0.69	0.21J	0.87J	<10	<50
RMW-51	Shallow	8/21/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	10/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-51	Shallow	1/15/03	8260b	2XJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-51	Shallow	4/16/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-51	Shallow	7/16/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-51	Shallow	10/28/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-51	Shallow	1/14/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-51	Shallow	4/14/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-51	Shallow	1/12/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-51	Shallow	4/13/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-51	Shallow	7/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-51	Shallow	10/12/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-51	Shallow	6/1/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-51	Shallow	7/12/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-52	Upper Silverado	8/31/01	8260b	170	15	<0.68	<0.5	<0.57	<0.11	<0.18	0.13J	<0.69	<0.14	<0.82		100
RMW-52	Upper Silverado	11/19/01	8260b	120	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	0.69J	0.24J	0.93J	50XJ	<50
RMW-52	Upper Silverado	12/18/01	8260b	60	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-52 (dup)	Upper Silverado	12/18/01	8260b	50	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	12/26/01	8260b	42J	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	1/15/02	8260b	46	6.7J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-52 (dup)	Upper Silverado	1/15/02	8260b	53	6.3J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	15J	<50
RMW-52	Upper Silverado	2/26/02	8260b	45J	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	3/28/02	8260b	39	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	4/16/02	8260b	68	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	58J
RMW-52 (dup)	Upper Silverado	4/16/02	8260b	74	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	56J
RMW-52	Upper Silverado	5/31/02	8260b	43	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52 (dup)	Upper Silverado	5/31/02	8260b	41	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	6/28/02	8260b	49	<5	<0.68	<0.5	<0.57	0.99V	1XJ	1XJ	1.4V	1XJ	2XJ		
RMW-52 (dup)	Upper Silverado	6/28/02	8260b	48	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	7/18/02	8260b	38	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-52	Upper Silverado	8/27/02	8260b	48	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	10/17/02	8260b	33	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.5	<0.14	<0.82	<10	<50
RMW-52 (dup)	Upper Silverado	10/17/02	8260b	32	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.5	<0.14	<0.82	<10	<50
RMW-52	Upper Silverado	1/16/03	8260b	73J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-52 (dup)	Upper Silverado	1/16/03	8260b	71J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	10J	<50
RMW-52	Upper Silverado	4/17/03	8260b	140	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	48J
RMW-52	Upper Silverado	7/17/03	8260b	180	8.3J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-52	Upper Silverado	10/16/03	8260b	130	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	53
RMW-52 (dup)	Upper Silverado	10/16/03	8260b	140	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	55
RMW-52	Upper Silverado	1/15/04	8260b	62	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-52	Upper Silverado	4/15/04	8260b	79	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	44J
RMW-52 (dup)	Upper Silverado	4/15/04	8260b	80	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	47J
RMW-52	Upper Silverado	1/13/05	8260b	34	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)											VOLATILE FUEL HYDROCARBONS EPA Method 8015M		
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-52	Upper Silverado	4/14/05	524.2	32	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-52	Upper Silverado	7/14/05	8260b	25	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-52	Upper Silverado	10/13/05	8260b	49	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	70
RMW-52	Upper Silverado	4/13/06	524.2	3.2	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-52	Upper Silverado	7/21/06	8260b	38	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-53	Shallow	8/31/01	8260b	0.3J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-53	Shallow	11/19/01	8260b	0.28UJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-53	Shallow	12/18/01	8260b	2XJ	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-53	Shallow	12/26/01	8260b	2XJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-53	Shallow	1/15/02	8260b	0.6J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-53	Shallow	2/26/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-53	Shallow	3/28/02	8260b	0.84J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-53	Shallow	5/1/02	8260b	2.9	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-53	Shallow	5/31/02	8260b	0.32J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-53	Shallow	6/28/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.71V	1.5V	5.9V	5.8V	1.3V	7V		
RMW-53	Shallow	7/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-53 (dup)	Shallow	7/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-53	Shallow	8/27/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-53	Shallow	10/17/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-53 (dup)	Shallow	10/17/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-53	Shallow	1/16/03	8260b	2XJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-53	Shallow	4/17/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53	Shallow	7/17/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53	Shallow	10/16/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53	Shallow	1/15/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53 (dup)	Shallow	1/15/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53	Shallow	4/15/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53 (dup)	Shallow	4/15/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53	Shallow	1/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-53	Shallow	4/14/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-53	Shallow	4/13/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	49J
RMW-54	Upper Silverado	2/16/06	8260b	23	<10	<2.0	<2.0	<2.0	<0.050	<1.0	<1.0	<1.0	<1.0	--		<50
RMW-54	Upper Silverado	4/25/06	524.2	20	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-54	Upper Silverado	7/12/06	8260b	57	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	56

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No. Aquifer		Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12
RMW-55	Shallow	2/16/06	8260b	37	<10	<2.0	<2.0	<2.0	<0.050	<1.0	<1.0	<1.0	<1.0	--		53
RMW-55	Shallow	4/25/06	524.2	55	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-55	Shallow	7/12/06	8260b	120	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	87
RMW-56	Upper Silverado	4/27/06	524.2	7.0	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-56	Upper Silverado	7/18/06	8260b	11	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-57	Shallow	4/27/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-57	Shallow	7/18/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-58	Upper Silverado	3/3/06	8260b	<1.0	<10	<2.0	<2.0	<2.0	<0.050	<1.0	<1.0	<1.0	<1.0	--		<50
RMW-58	Upper Silverado	4/24/06	524.2	<0.027	0.79UJ	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-58	Upper Silverado	7/18/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-59	Shallow	3/3/06	8260b	<1.0	<10	<2.0	<2.0	<2.0	<0.050	<1.0	<1.0	<1.0	<1.0	--		<50
RMW-59	Shallow	4/24/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-59	Shallow	7/18/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RPZ-4	Shallow	6/11/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RPZ-4	Shallow	4/25/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-4 (dup)	Shallow	4/25/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--		
RPZ-5	Upper Silverado	6/11/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.11VJ	<0.69	<0.14	<0.82		
RPZ-5	Upper Silverado	4/25/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-6	Upper Silverado	3/6/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RPZ-6	Upper Silverado	6/12/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RPZ-6	Upper Silverado	4/26/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-7	Shallow	3/6/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RPZ-7	Shallow	6/12/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.13VJ	<0.69	<0.14	<0.82		
RPZ-7 (dup)	Shallow	6/12/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.12VJ	<0.69	<0.14	<0.82		
RPZ-7	Shallow	4/26/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-8	Upper Silverado	4/27/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-8 (dup)	Upper Silverado	4/27/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--		
RPZ-8	Upper Silverado	7/27/06	8260b	2.5	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RPZ-9	Shallow	4/27/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-9	Shallow	7/27/06	8260b	0.95J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/l)												VOLATILE FUEL HYDROCARBONS EPA Method 8015M	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl- benzene	Toluene	m,p- Xylenes	o- Xylene	Total Xylenes		
EQL (µg/l):				2.0	25	2.0	2.0	2.0	0.5	1.0	1.0	1.0	1.0	2.0	C6-C12	C4-C12

Notes:

All units are in micrograms per liter (µg/l), or parts per billion.

EQL = Estimated Quantitation Limit

<xx = Analyte not detected above the indicated detection limit.

J = Estimated value

U, V, or X = Data are qualified due to a detection in an associated equipment blank, trip blank, method blank, or other QC issue (1.3U, 1.3V, or 1.3X means <1.3 µg/l).

"V" indicates that the detection limit for the qualified data is higher than the instrument detection limit for the analyte.

"X" indicates that the detection limit for the qualified data was raised to EQL for the analyte.

8020-conf = EPA Method 8020 second confirmation column. The second GC column results are considered to provide qualitative confirmation that the analyte peak quantified using the primary GC column was identified correctly. The quantified results for the samples analyzed by EPA Method 8020 are listed under "8020" in this table.

TABLE 7. SUMMARY OF DUPLICATE SAMPLE ANALYSES - DETECTED COMPOUNDS ONLY

Third Quarter 2006

Charnock Sub-Basin; Los Angeles, CA

Well	Sample Date	Primary Sample ID	Compound	Units	Primary Sample Result	Duplicate Sample Result	Relative Percent Difference
EPA Method 300.0							
RMW-6	7/24/06	gmx-rmw6-011806	Sulfate (as SO ₄)	mg/l	200	180	11%
SM 2320B							
RMW-6	7/24/06	gmx-rmw6-011806	Alkalinity, Total (as CaCO ₃)	mg/l	310	310	0%
6010B							
RMW-6	7/24/06	gmx-rmw6-072406	Iron	mg/l	1.62	1.95	18%
RSK-175M							
RMW-6	7/24/06	gmx-rmw6-011806	Carbon Dioxide	mg/l	72.4	76.2	5%
RMW-6	7/24/06	gmx-rmw6-011806	Methane	µg/l	1.0	1.1	10%
EPA Method 8260B							
RMW-6	7/24/06	gmx-rmw6-011806	Methyl Tert-Butyl Ether (MTBE)	µg/l	1.2 J	1.2 J	0%
RMW-6	7/24/06	gmx-rmw6-011806	Tert-Butyl Alcohol (TBA)	µg/l	1,300 J	1,300 J	0%

TABLE 8. SUMMARY OF QUALIFIED DATA (CONCENTRATIONS ABOVE EQLs)
Third Quarter 2006
Charnock Sub-Basin; Los Angeles, CA

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
Primary and Duplicate Groundwater Samples							
MWM-1	7/21/06	mwm1-072106	Total Organic Carbon	mg/l	2.0	2.0 V	Equipment Blank
MWM-2	7/20/06	mwm2-072006	Total Organic Carbon	mg/l	2.3	2.3 V	Equipment Blank
MWM-2	7/20/06	mwm2-072006	Nitrate (as N)	mg/l	0.12	0.12 V	Equipment Blank
MWM-3	7/20/06	mwm3-072006	Total Organic Carbon	mg/l	2.2	2.2 V	Equipment Blank
RMW-6	7/24/06	gmx-rmw6-072406	Tert-Butyl Alcohol (TBA)	µg/l	1,300	1,300 J	Calibration
RMW-6	7/24/06	gmx-rmw6-072406-fd	Tert-Butyl Alcohol (TBA)	µg/l	1,300	1,300 J	Calibration
RMW-6	7/24/06	gmx-rmw6-072406	Total Organic Carbon	mg/l	2.2	2.2 V	Equipment Blank
RMW-6	7/24/06	gmx-rmw6-072406-fd	Total Organic Carbon	mg/l	2.3	2.3 V	Equipment Blank
RMW-9	7/11/06	gmx-rmw9-071106	Total Organic Carbon	mg/l	1.8	1.8 V	Equipment Blank
RMW-10	7/11/06	gmx-rmw10-071106	Total Organic Carbon	mg/l	1.7	1.7 V	Equipment Blank
RMW-12	7/17/06	gmx-rmw12-071706	Total Organic Carbon	mg/l	1.6	1.6 V	Equipment Blank
RMW-19	7/17/06	gmx-rmw19-071706	Methyl Tert-Butyl Ether (MTBE)	µg/l	2,400	2,400 J	Calibration
RMW-19	7/17/06	gmx-rmw19-071706	Carbon Dioxide Free	mg/l	2.1	2.1 V	Equipment Blank
RMW-19	7/17/06	gmx-rmw19-071706	Total Organic Carbon	mg/l	2.200	2.200 V	Equipment Blank
RMW-20	7/17/06	gmx-rmw20-071706	Total Organic Carbon	mg/l	1.9	1.9 V	Equipment Blank
RMW-21	7/14/06	gmx-rmw21-071406	Carbon Dioxide Free	mg/l	1.22	1.22 V	Equipment Blank
RMW-21	7/14/06	gmx-rmw21-071406	Total Organic Carbon	mg/l	2.0	2.0 V	Equipment Blank
RMW-22	7/14/06	gmx-rmw22-071406	Carbon Dioxide Free	mg/l	2.1	2.1 V	Equipment Blank
RMW-22	7/14/06	gmx-rmw22-071406	Total Organic Carbon	mg/l	1.8	1.8 V	Equipment Blank
RMW-23	7/13/06	gmx-rmw23-071306	Carbon Dioxide Free	mg/l	3.48	3.48 V	Equipment Blank
RMW-23	7/13/06	gmx-rmw23-071306	Total Organic Carbon	mg/l	1.3	1.3 V	Equipment Blank
RMW-24	7/13/06	gmx-rmw24-071306	Carbon Dioxide Free	mg/l	2.65	2.65 V	Equipment Blank
RMW-24	7/13/06	gmx-rmw24-071306	Total Organic Carbon	mg/l	1.4	1.4 V	Equipment Blank
RMW-25	7/14/06	gmx-rmw25-071406	Total Organic Carbon	mg/l	1.8	1.8 V	Equipment Blank
RMW-25	7/14/06	gmx-rmw25-071406	Methyl Tert-Butyl Ether (MTBE)	µg/l	260	260 J	Calibration
RMW-48	7/13/06	gmx-rmw48-071306	Total Organic Carbon	mg/l	1.3	1.3 V	Equipment Blank
RMW-50	7/12/06	gmx-rmw50-071206	Total Organic Carbon	mg/l	1.4	1 V	Equipment Blank
RMW-51	7/12/06	gmx-rmw51-071206	Total Organic Carbon	mg/l	1.5	1.5 V	Equipment Blank
RMW-52	7/21/06	gmx-rmw52-072106	Total Organic Carbon	mg/l	1.7	1.7 V	Equipment Blank
RMW-54	7/12/06	gmx-rmw54-071206	Nitrate (as N)	mg/l	0.14	0.14 V	Equipment Blank
RMW-54	7/12/06	gmx-rmw54-071206	Total Organic Carbon	mg/l	1.9	1.9 V	Equipment Blank
RMW-55	7/12/06	gmx-rmw55-071206	Total Organic Carbon	mg/l	2.3	2.3 V	Equipment Blank
RMW-58	7/18/06	gmx-rmw58-071806	Total Organic Carbon	mg/l	2.3	2.3 V	Equipment Blank
RMW-59	7/18/06	gmx-rmw59-071806	Total Organic Carbon	mg/l	2.5	2.5 V	Equipment Blank
RPZ-9	7/27/06	gmx-rpz9-072706	Total Organic Carbon	mg/l	1.8	1.8 V	Equipment Blank

TABLE 8. SUMMARY OF QUALIFIED DATA (CONCENTRATIONS ABOVE EQLs)**Third Quarter 2006****Charnock Sub-Basin; Los Angeles, CA**

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
Equipment Blanks							
MWM-3	7/20/06	mwm3-072006-eb	Total Organic Carbon	mg/l	0.51	0.51 V	Laboratory Blanks
RMW-6	7/24/06	gmx-rmw6-072406-eb	Total Organic Carbon	mg/l	0.52	0.52 V	Laboratory Blanks
RMW-9	7/11/06	gmx-rmw9-071106-eb	Total Organic Carbon	mg/l	0.66	0.66 V	Laboratory Blanks
RMW-10	7/11/06	gmx-rmw10-071106-eb	Total Organic Carbon	mg/l	0.77	0.77 V	Laboratory Blanks
RMW-12	7/17/06	gmx-rmw12-071706-eb	Total Organic Carbon	mg/l	0.73	0.73 V	Laboratory Blanks
RMW-19	7/17/06	gmx-rmw19-071706-eb	Total Organic Carbon	mg/l	0.62	0.62 V	Laboratory Blanks
RMW-20	7/17/06	gmx-rmw20-071706-eb	Total Organic Carbon	mg/l	0.59	0.59 V	Laboratory Blanks
RMW-21	7/14/06	gmx-rmw21-071406-eb	Total Organic Carbon	mg/l	0.69	0.69 V	Laboratory Blanks
RMW-22	7/14/06	gmx-rmw22-071406-eb	Total Organic Carbon	mg/l	0.83	0.83 V	Laboratory Blanks
RMW-25	7/14/06	gmx-rmw25-071406-eb	Total Organic Carbon	mg/l	0.72	0.72 V	Laboratory Blanks
RMW-50	7/12/06	gmx-rmw50-071206-eb	Total Organic Carbon	mg/l	0.51	0.51 V	Laboratory Blanks
RMW-58	7/18/06	gmx-rmw58-071806-eb	Total Organic Carbon	mg/l	0.61	0.61 V	Laboratory Blanks
RMW-59	7/18/06	gmx-rmw59-071806-eb	Total Organic Carbon	mg/l	0.68	0.68 V	Laboratory Blanks

Notes:

EQL = Estimated Quantitation Limit

J qualifier: A "J" qualifier is attached to positive sample results that are estimated quantities.

V qualifier: A "V" qualifier indicates that the detection limit for the qualified data is higher than the instrument detection limit for the analyte (1.3V µg/l means <1.3 µg/l).

VJ qualifier: The analyte was analyzed for, but it was not detected at a detection limit higher than the instrument detection limit, and the raised sample detection limit is an estimated quantity.

Data validation was conducted by Laboratory Data Consultants, Inc.

TABLE 9. SUMMARY OF QUALIFIED DATA (CONCENTRATIONS BETWEEN MDLs AND EQLs)
Third Quarter 2006
Charnock Sub-Basin; Los Angeles, CA

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
Primary and Duplicate Groundwater Samples							
MWM-3	7/20/06	mwm3-072006	Iron	mg/l	0.00925	0.00925 V	Laboratory Blanks
MWM-3	7/20/06	mwm3-072006	Benzene	µg/l	0.44	0.5 X	Equipment Blank
MWM-3	7/20/06	mwm3-072006	Nitrate (as N)	mg/l	0.077	0.077 V	Equipment Blank
RMW-9	7/11/06	gmx-rmw9-071106	Iron	mg/l	0.0477	0.0477 V	Equipment Blank
RMW-12	7/17/06	gmx-rmw12-071706	Methane	µg/l	0.03	0.03 V	Equipment Blank
RMW-21	7/14/06	gmx-rmw21-071406	Methane	µg/l	0.13	0.13 V	Equipment Blank
RMW-23	7/13/06	gmx-rmw23-071306	Ethanol	µg/l	150	150 V	Equipment Blank
RMW-23	7/13/06	gmx-rmw23-071306	Methane	µg/l	0.15	0.15 V	Equipment Blank
RMW-50	7/12/06	gmx-rmw50-071206	Methane	µg/l	0.17	1 X	Equipment Blank
RMW-51	7/12/06	gmx-rmw51-071206	Methane	µg/l	0.13	1 X	Equipment Blank
RPZ-8	7/27/06	gmx-rpz8-072706	Nitrogen, Nitrate (as N) -- nitrate-n	mg/l	0.076	0.076 V	Equipment Blank
RPZ-9	7/27/06	gmx-rpz9-072706	Methane	µg/l	0.39	0.39 V	Equipment Blank
Equipment Blanks							
MWM-1	7/21/06	mwm1-072106-eb	Total Organic Carbon	mg/l	0.41	0.41 V	Laboratory Blanks
RMW-48	7/13/06	gmx-rmw48-071306-eb	Total Organic Carbon	mg/l	0.44	0.44 V	Laboratory Blanks
RMW-52	7/21/06	gmx-rmw52-072106-eb	Total Organic Carbon	mg/l	0.43	0.43 V	Laboratory Blanks
RMW-56	7/18/06	gmx-rmw56-071806-eb	Total Organic Carbon	mg/l	0.25	0.25 V	Laboratory Blanks
RMW-57	7/18/06	gmx-rmw57-071806-eb	Total Organic Carbon	mg/l	0.42	0.42 V	Laboratory Blanks

Notes: MDL = Method Detection Limit (also referred to as the instrument detection limit)
EQL = Estimated Quantitation Limit
J qualifier: A "J" qualifier is attached to positive sample results that are estimated quantities.
V qualifier: A "V" qualifier indicates that the detection limit for the qualified data is higher than the instrument detection limit for the analyte (1.2V µg/l means <1.2 µg/l).
X qualifier: A "X" qualifier indicates that the detection limit for the qualified data was raised to the EQL for the analyte (2X means <2 µg/l).
VJ qualifier: The analyte was analyzed for, but it was not detected at a detection limit higher than the instrument detection limit, and the raised sample detection limit is an estimated quantity.
Data validation was conducted by Laboratory Data Consultants, Inc.

**TABLE 10. SUMMARY OF QUALIFIED DATA (COMPOUNDS NOT DETECTED AT MDLs
Third Quarter 2006
Charnock Sub-Basin; Los Angeles, CA**

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
Primary and Duplicate Groundwater Samples							
RMW-6	07/24/06	gmx-rmw6-072406-tb	1,3,5-Trimethylbenzene	µg/l	<0.19	0.19 UJ	Calibration %D
RMW-6	07/24/06	gmx-rmw6-072406-tb	m,p-Xylenes	µg/l	<0.38	0.38 UJ	Calibration %D

Notes: MDL = Method Detection Limit (also referred to as the instrument detection limit)
 UJ Qualifier: A "UJ" qualifier is defined as meaning the analyte was analyzed for, but it was not detected and the sample quantitation or detection limit is an estimated quantity.
 %D = Percent deviation
 RRF = Relative Response Factor
 Data validation was conducted by Laboratory Data Consultants, Inc.

FIGURES

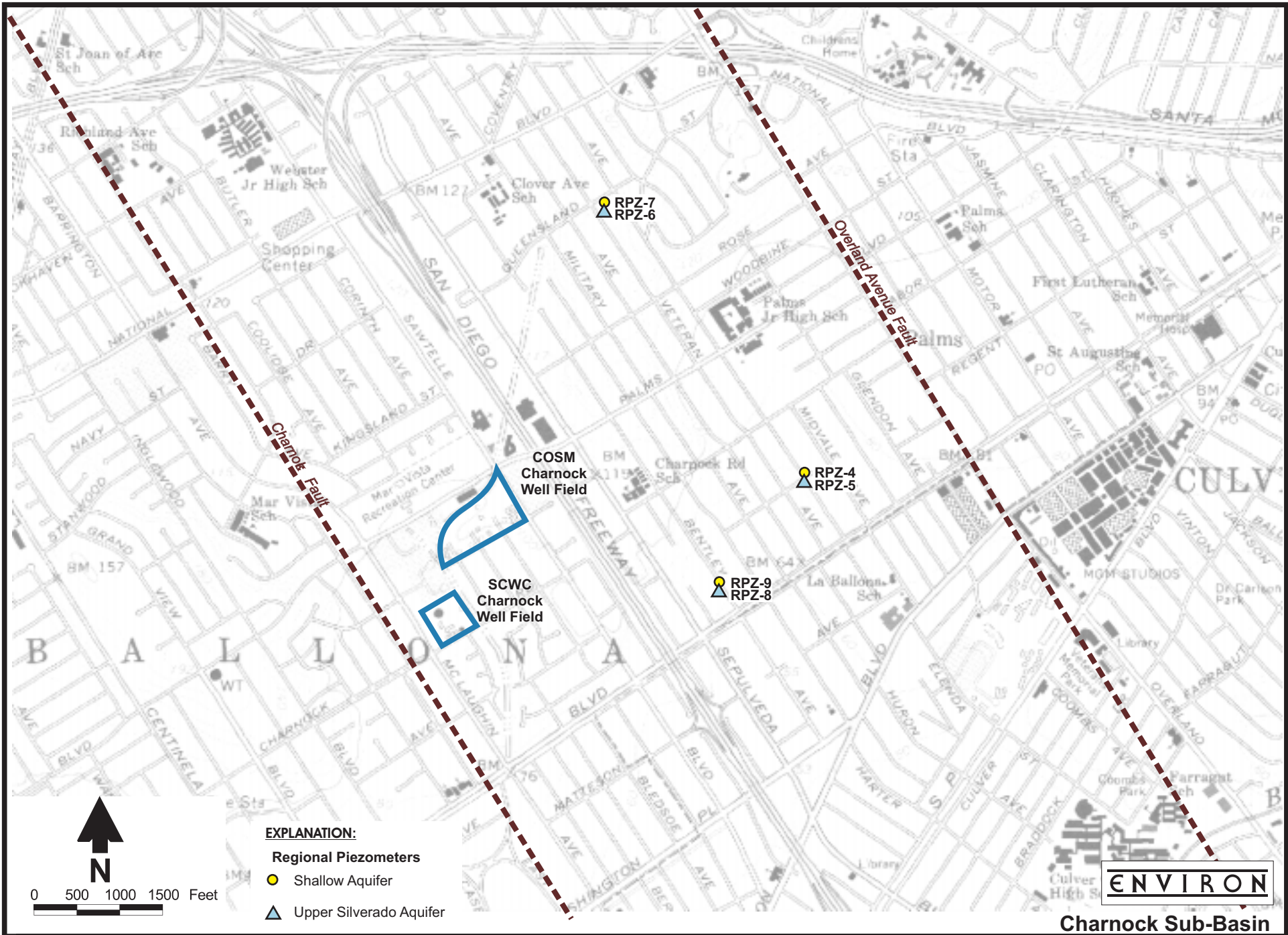
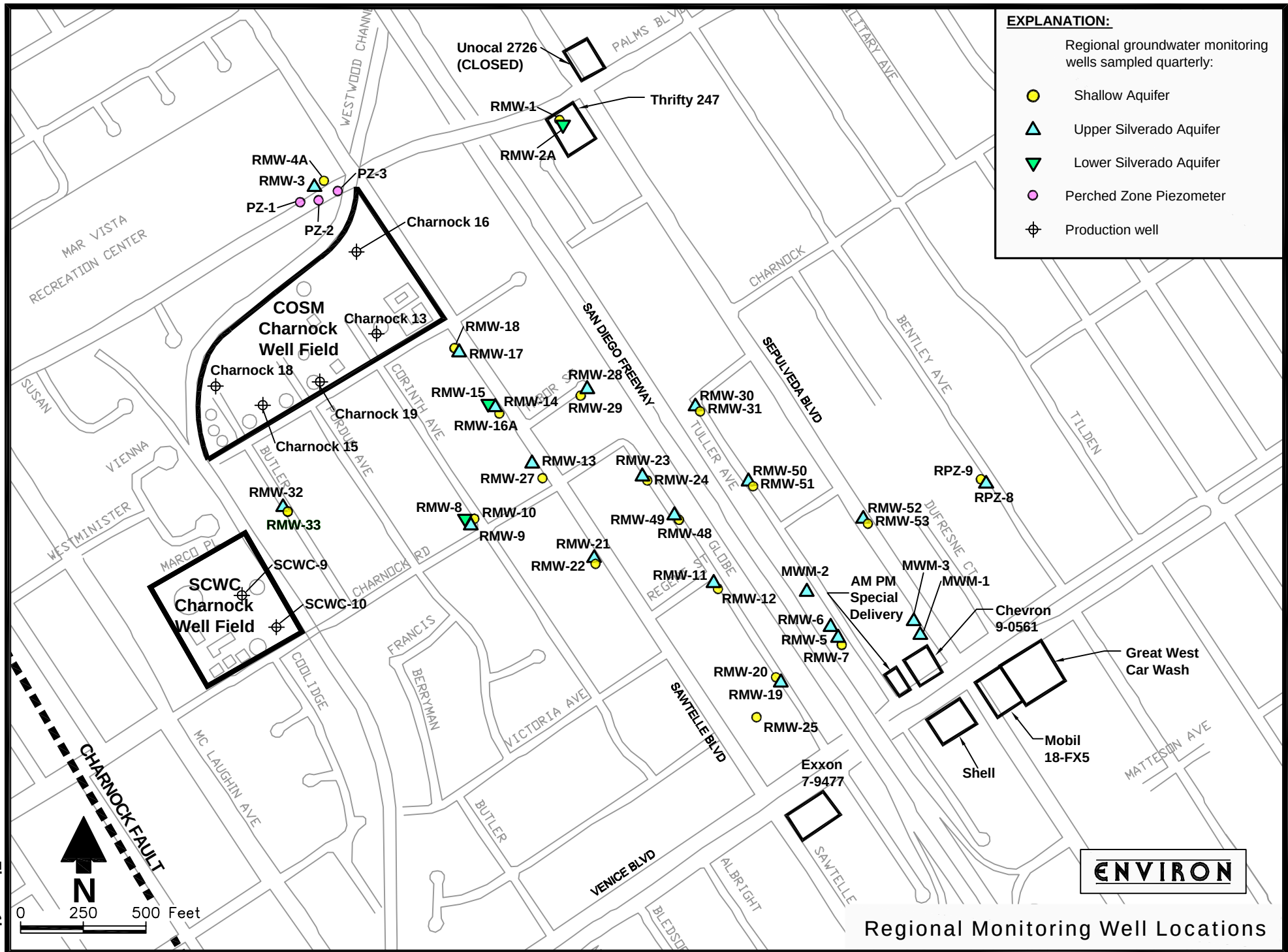
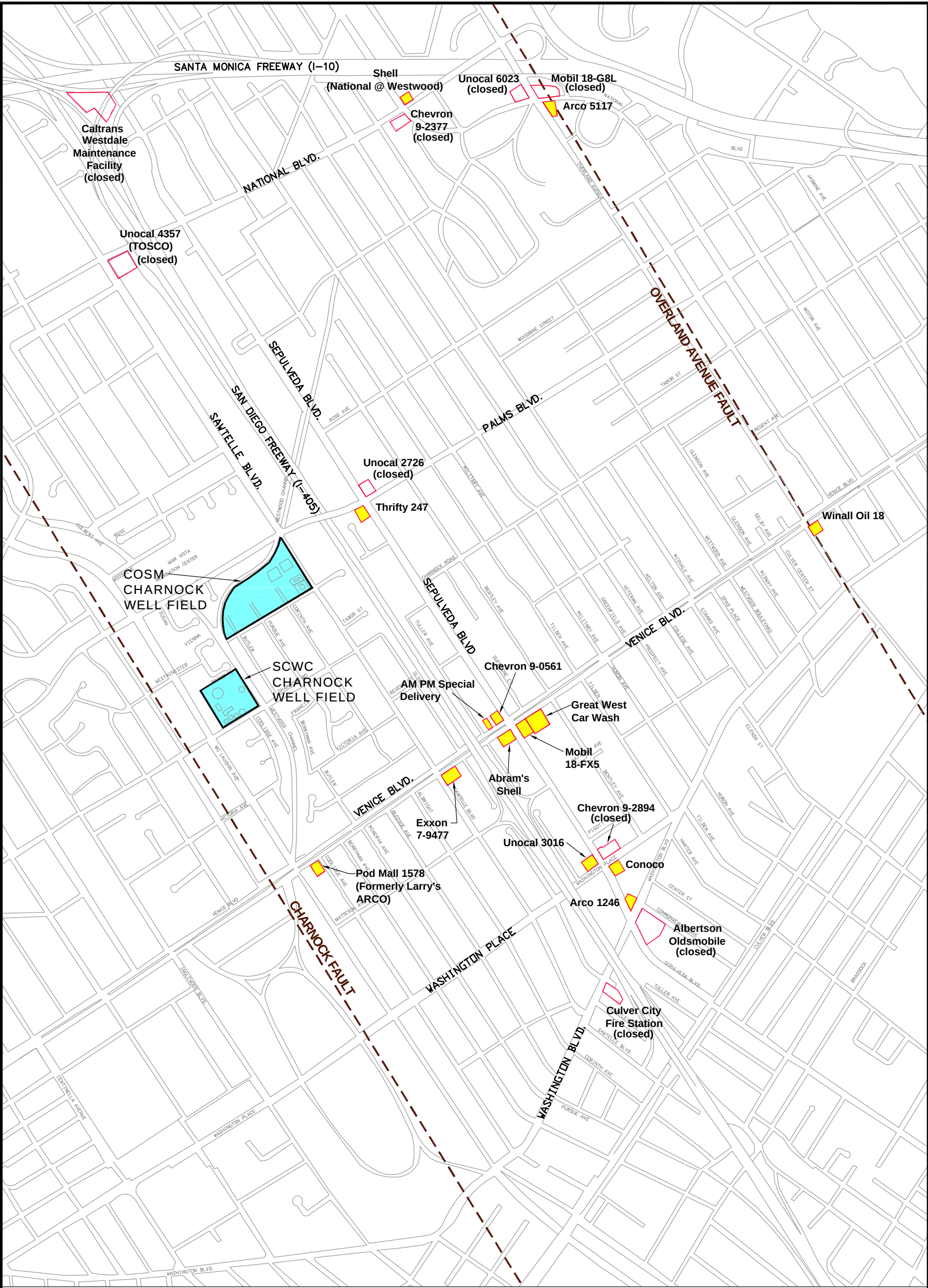


Figure 1a

ENVIRON

Charnock Sub-Basin
Figure 1a





EXPLANATION:

- Fault Zone
- Site
- Site (closed)

SOURCE: Charnock Database, June 2006;
State Geotracker Database, June 2006.



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

Site Location Map
Charnock Sub-Basin; Los Angeles, California

Figure

1c

Drafter: RS

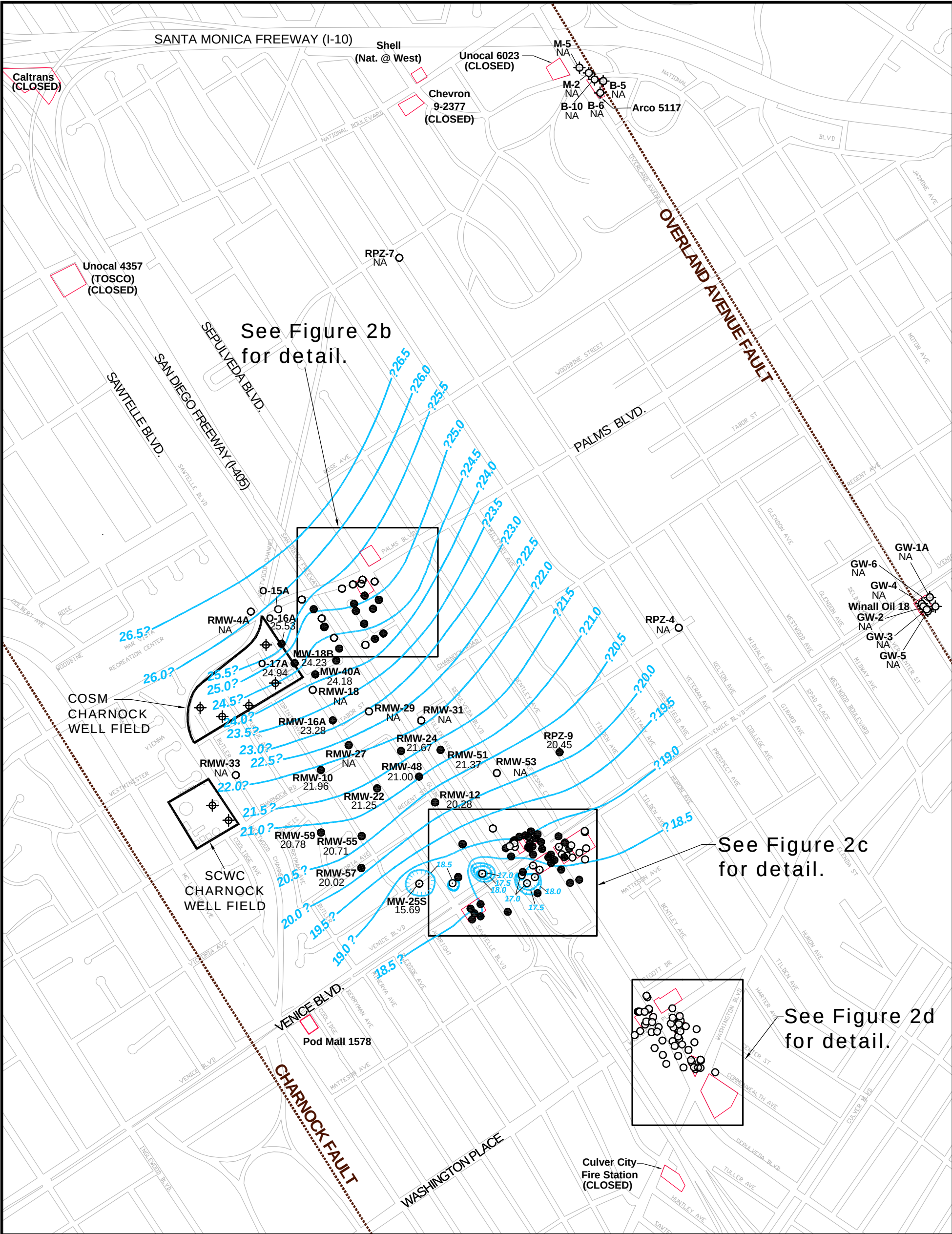
Date: 2/13/06

Contract Number: 03-15184D1

Approved:

Revised:

0315184D1-PRPMAP.DWG



EXPLANATION

Shallow Aquifer
Monitoring Well or Piezometer:

- Measured in July 2006
- _{NA} July 2006 water level data not available
- Operating extraction well
- ⊕ Aquifer designation to be determined, data are posted for comparison
- ⊕ Production Well

--- Fault Zone

□ Site

18.0 — ? Groundwater elevation contour in feet, MSL Datum. Shown unbroken for presentation clarity, but does not imply certainty. Dashed and queried where inferred.

(a) Groundwater elevation appears anomalous; not considered for contouring.

0 800
SCALE IN FEET



SOURCE: Charnock database, January 2007.

Figure

2a

ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

Potentiometric Surface Map - Shallow Aquifer, July 2006
Charnock Sub-Basin; Los Angeles, California

Drafter: RS

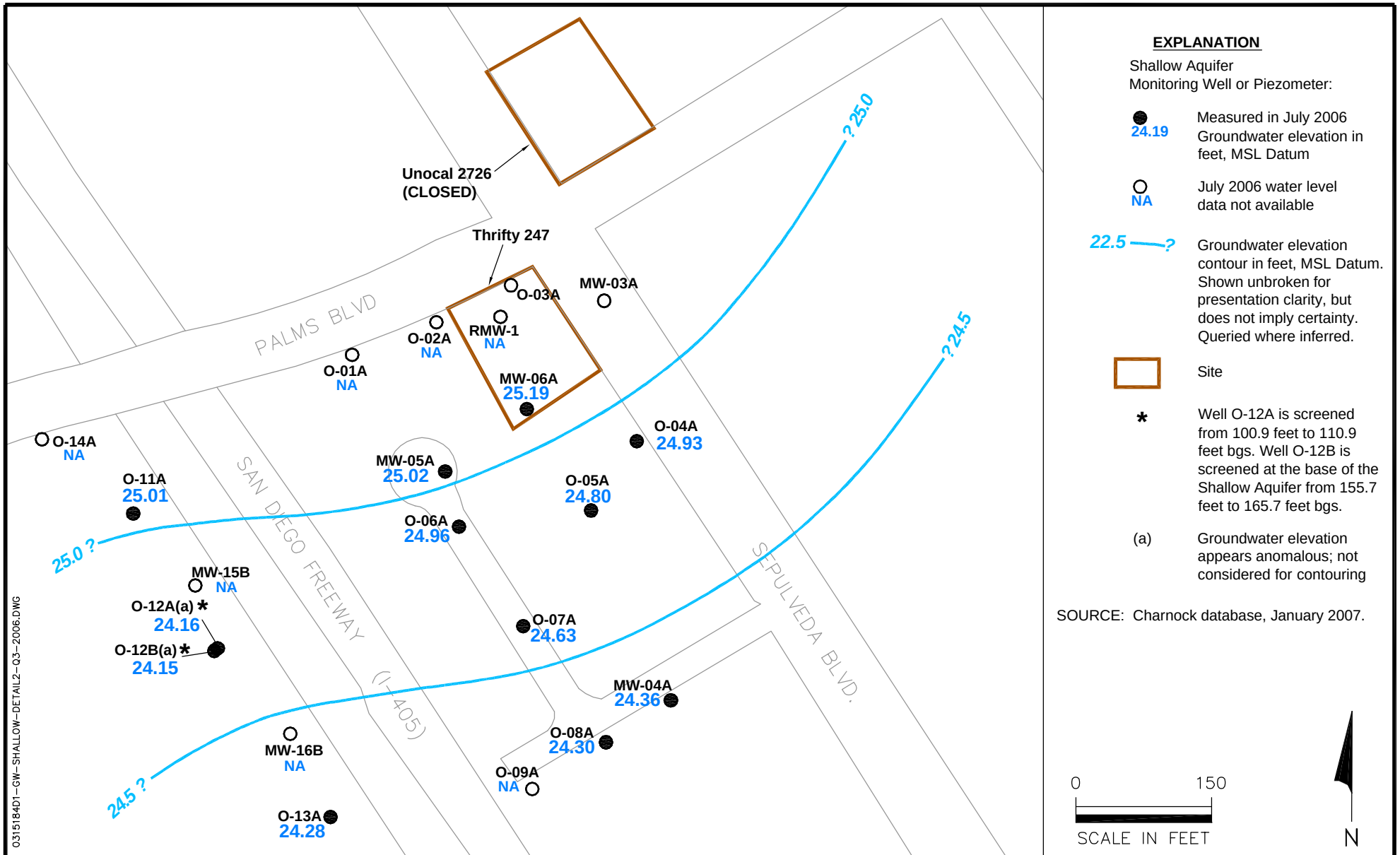
Date: 1/8/07

Contract Number: 03-15184D1

Approved:

Revised:

0315184D1-GW-SHALLOW-Q3-2006.DWG



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

Potentiometric Surface Map - Shallow Aquifer, July 2006
Palms and Sepulveda Intersection Detail
 Charnock Sub-Basin; Los Angeles, California

Figure

2b

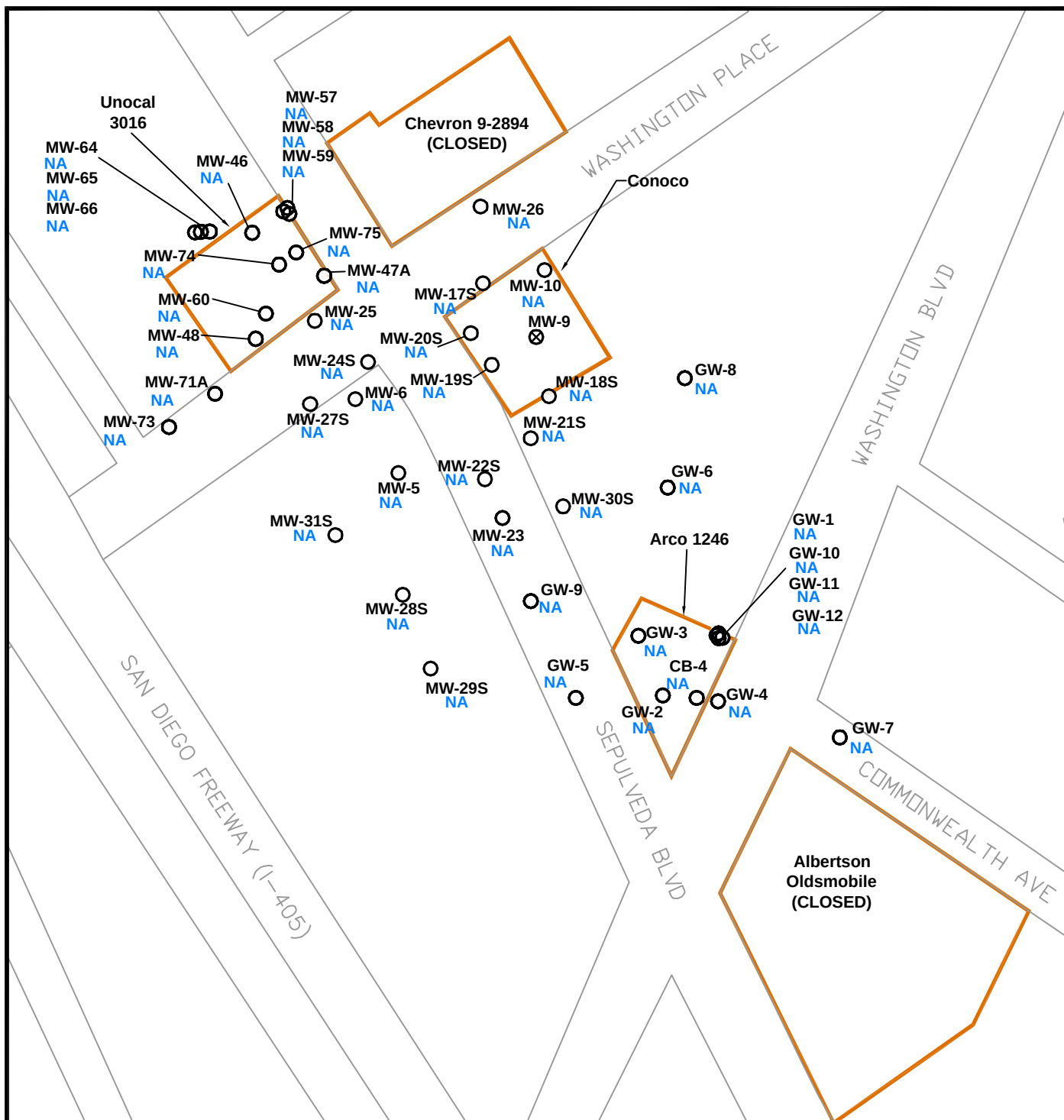
Drafter: RS

Date: 1/8/07

Contract Number: 03-15184D1

Approved:

Revised:



EXPLANATION

Groundwater elevations in feet, MSL
Datum measured in July 2006.

- Shallow Aquifer
- July 2006 water level data not available
- ⊗ Destroyed Groundwater Monitoring Well

Site

SOURCE: Charnock database, January 2007.



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

Potentiometric Surface Map, July 2006
Washington and Sepulveda Intersection Detail
 Charnock Sub-Basin; Los Angeles, California

Figure

2d

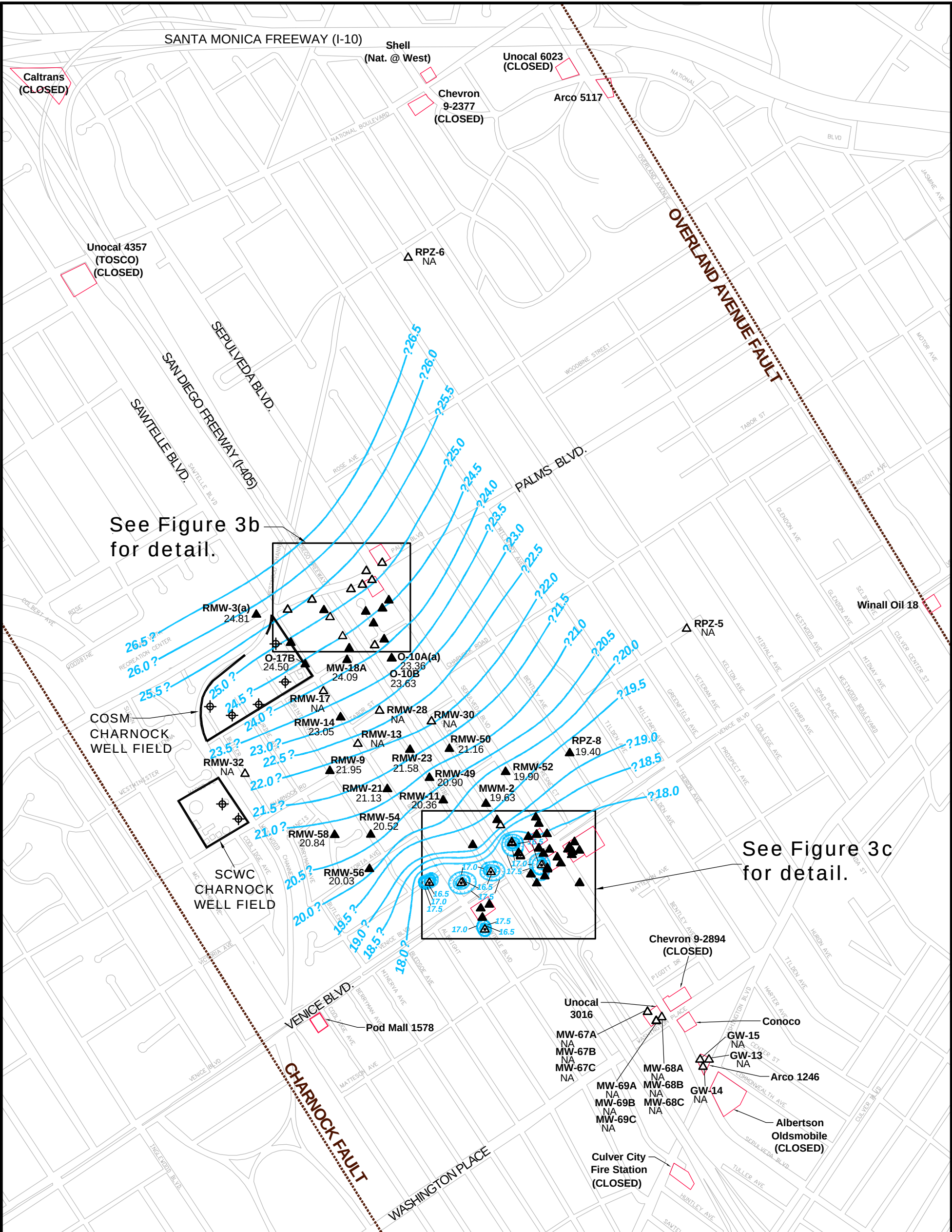
Drafter: RS

Date: 1/8/07

Contract Number: 03-15184D1

Approved:

Revised:



EXPLANATION

Upper Silverado Aquifer
Monitoring Well or Piezometer:

- ▲ Measured in July 2006
Groundwater elevation in feet, MSL Datum
- △ NA
July 2006 water level data not available
- △ Operating extraction well
- ⊕ Production Well

..... Fault Zone

□ Site

18.0 — ? Groundwater elevation contour in feet, MSL Datum. Shown unbroken for presentation clarity, but does not imply certainty. Queried where inferred.

(a) Groundwater elevation appears anomalous; not considered for contouring

0 800
SCALE IN FEET



SOURCE: Charnock database, January 2007.

ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

Potentiometric Surface Map - Upper Silverado Aquifer, July 2006
Charnock Sub-Basin; Los Angeles, California

Figure

3a

Drafter: RS

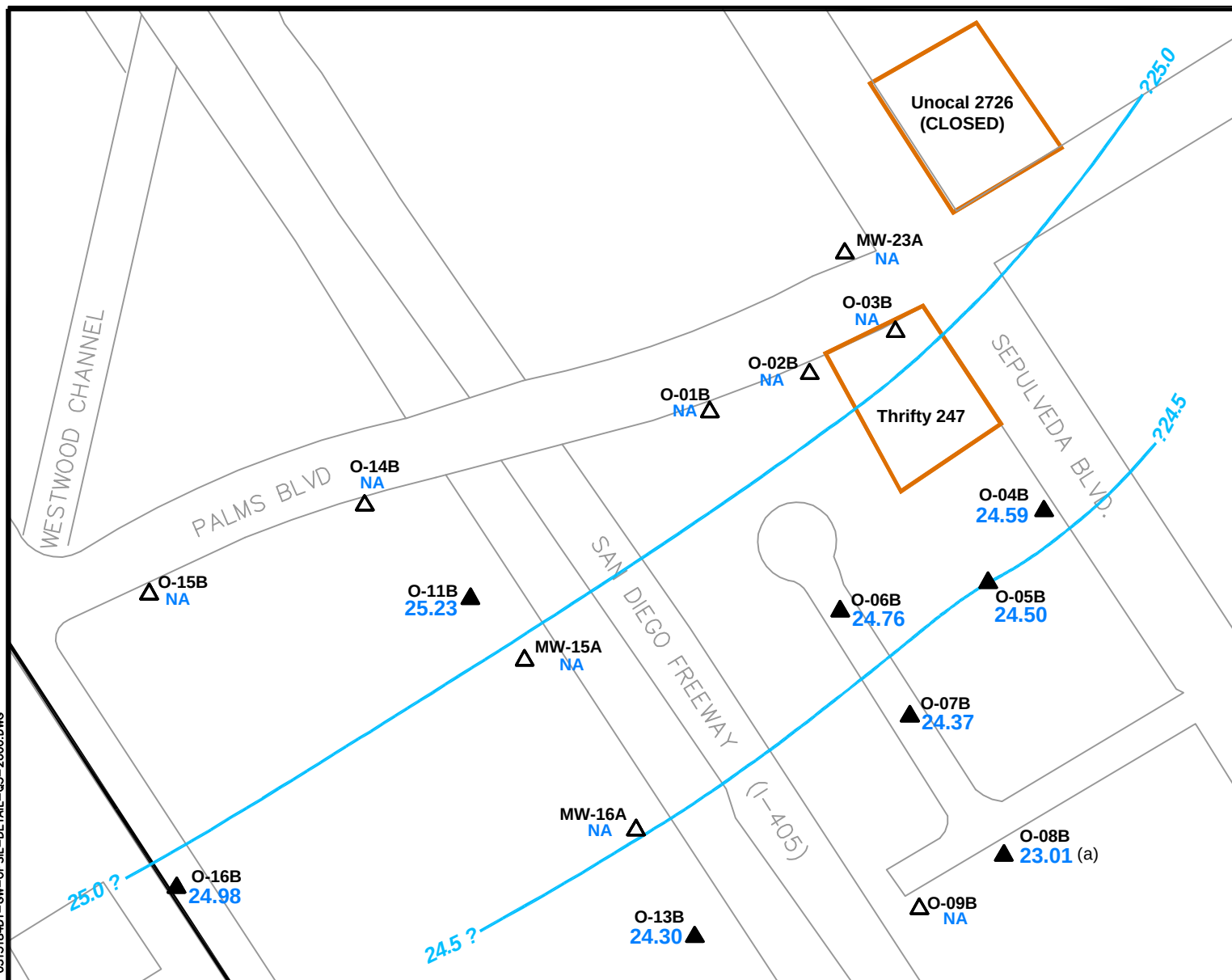
Date: 1/8/07

Contract Number: 0315184D1

Approved:

Revised:

0315184D1-GW-UPSIL-DETAIL-03-2006.DWG

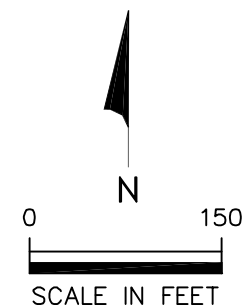


EXPLANATION

Upper Silverado Aquifer
Monitoring Well or Piezometer:

- ▲ 23.64 Measured in July 2006
Groundwater elevation in
feet, MSL Datum
- △ NA July 2006 water level data
not available
- 23.5 — ? Groundwater elevation
contour in feet, MSL Datum.
Shown unbroken for
presentation clarity, but
does not imply certainty.
Queried where inferred.
- (a) Groundwater elevation
appears anomalous; not
considered for contouring
- Site

SOURCE: Charnock database,
January 2007.



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

Potentiometric Surface Map - Upper Silverado Aquifer, July 2006
Palms and Sepulveda Intersection Detail
Charnock Sub-Basin; Los Angeles, California

Drafter: RS

Date: 1/8/07

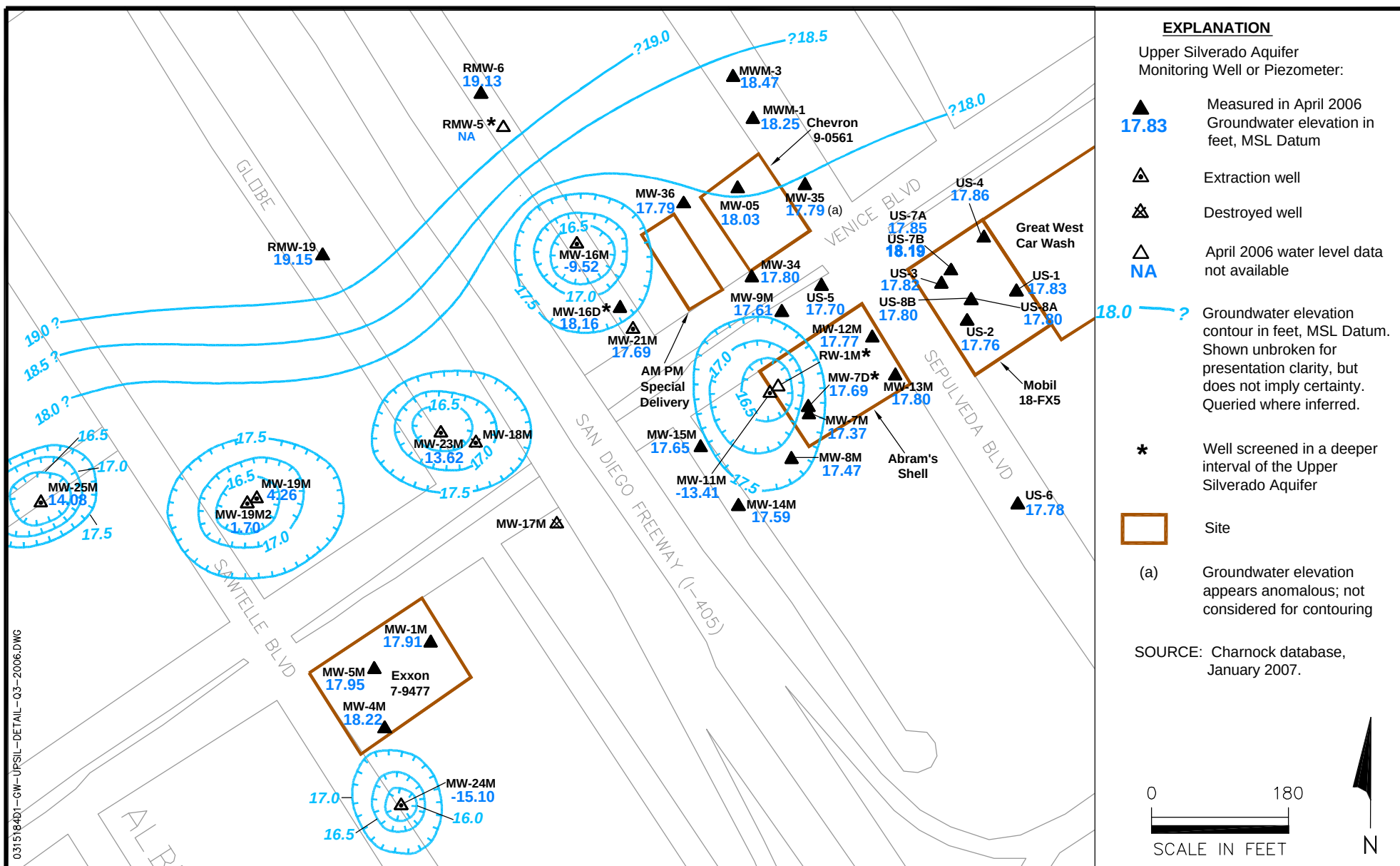
Contract Number: 03-15184D1

Approved:

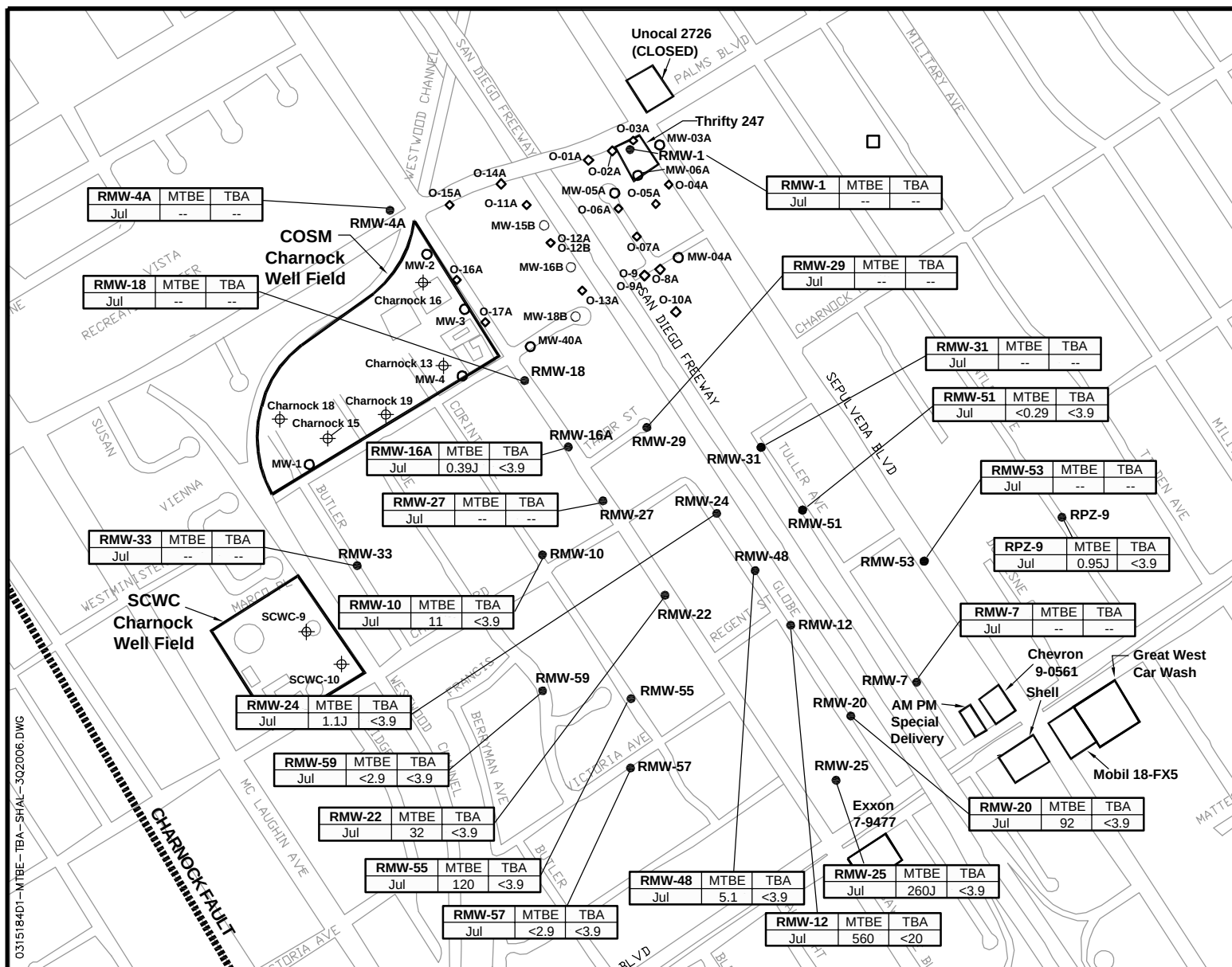
Revised:

Figure

3b



3c



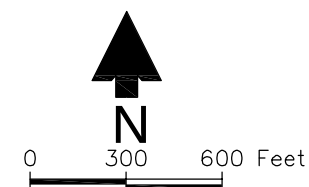
EXPLANATION:

- ⊕ Water Production Well
- Site Monitoring Well
- Regional Monitoring Well
- ◇ New Chevron-Thrifty Well

MTBE & TBA, µg/l

- J Estimated Value
- Not Tested

SOURCE: Charnock database,
January 2007.



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

MTBE and TBA, Regional Monitoring Wells
Shallow Aquifer, Third Quarter 2006
 Charnock Sub-Basin; Los Angeles, CA

Drafter: RS

Date: 1/8/07

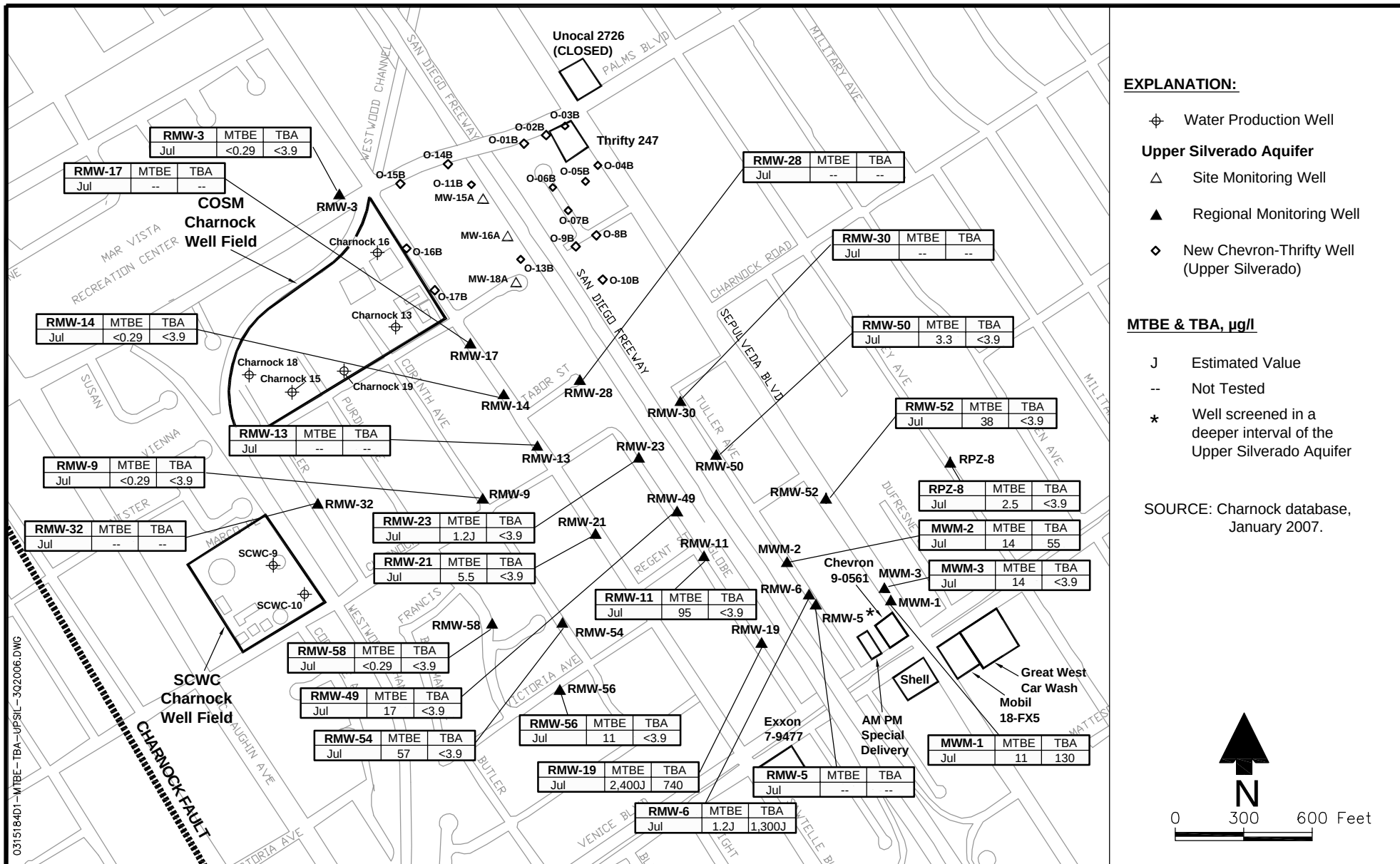
Contract Number: 03-15184D1

Approved:

Revised:

Figure

4a



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

**MTBE and TBA, Regional Monitoring Wells
Upper Silverado Aquifer, Third Quarter 2006
Charnock Sub-Basin; Los Angeles, CA**

Figure

4b

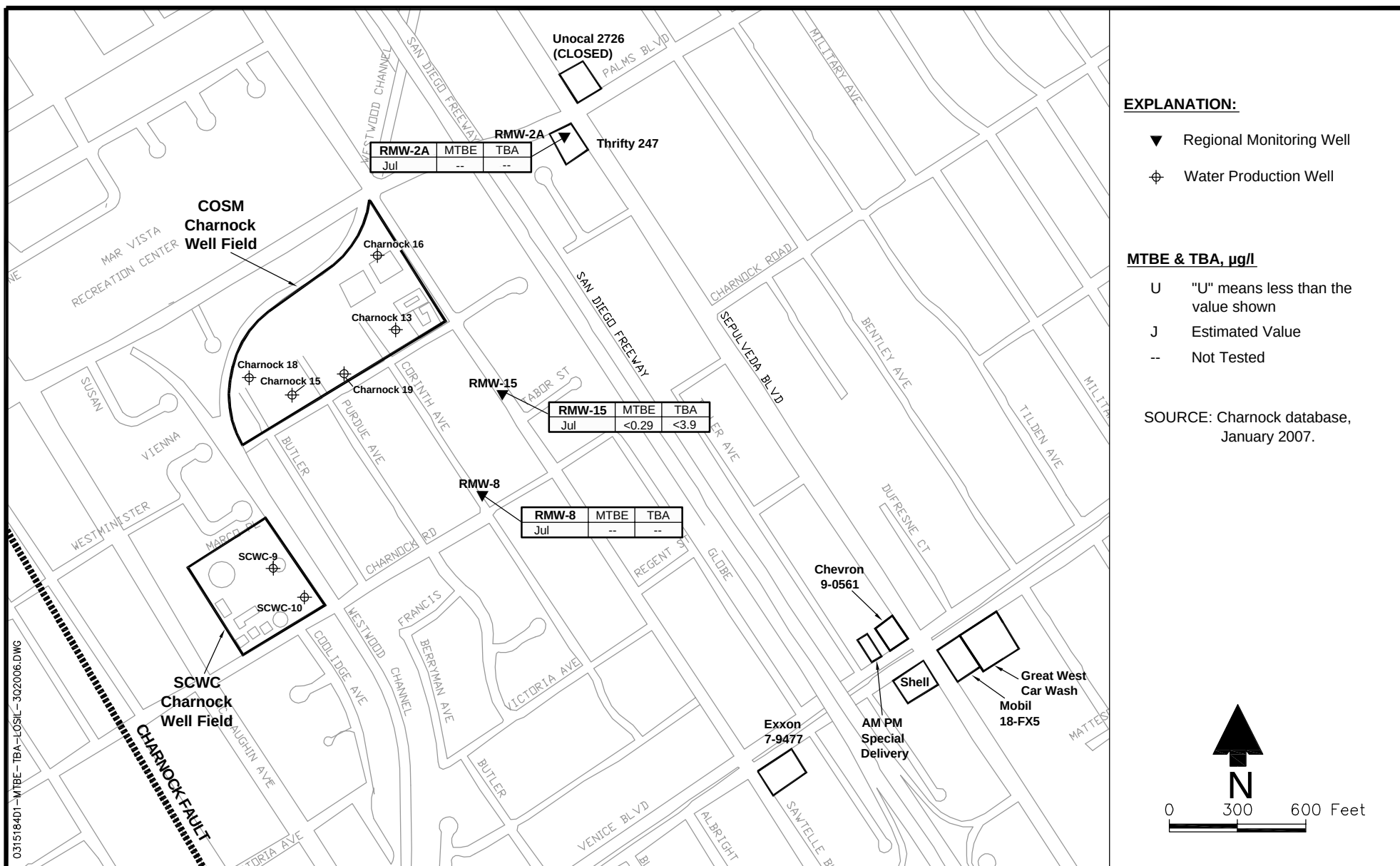
Drafter: RS

Date: 1/8/07

Contract Number: 03-15184D1

Approved:

Revised:



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

**MTBE and TBA, Regional Monitoring Wells
Lower Silverado Aquifer, Third Quarter 2006
Charnock Sub-Basin; Los Angeles, CA**

Drafter: RS

Date: 1/8/07

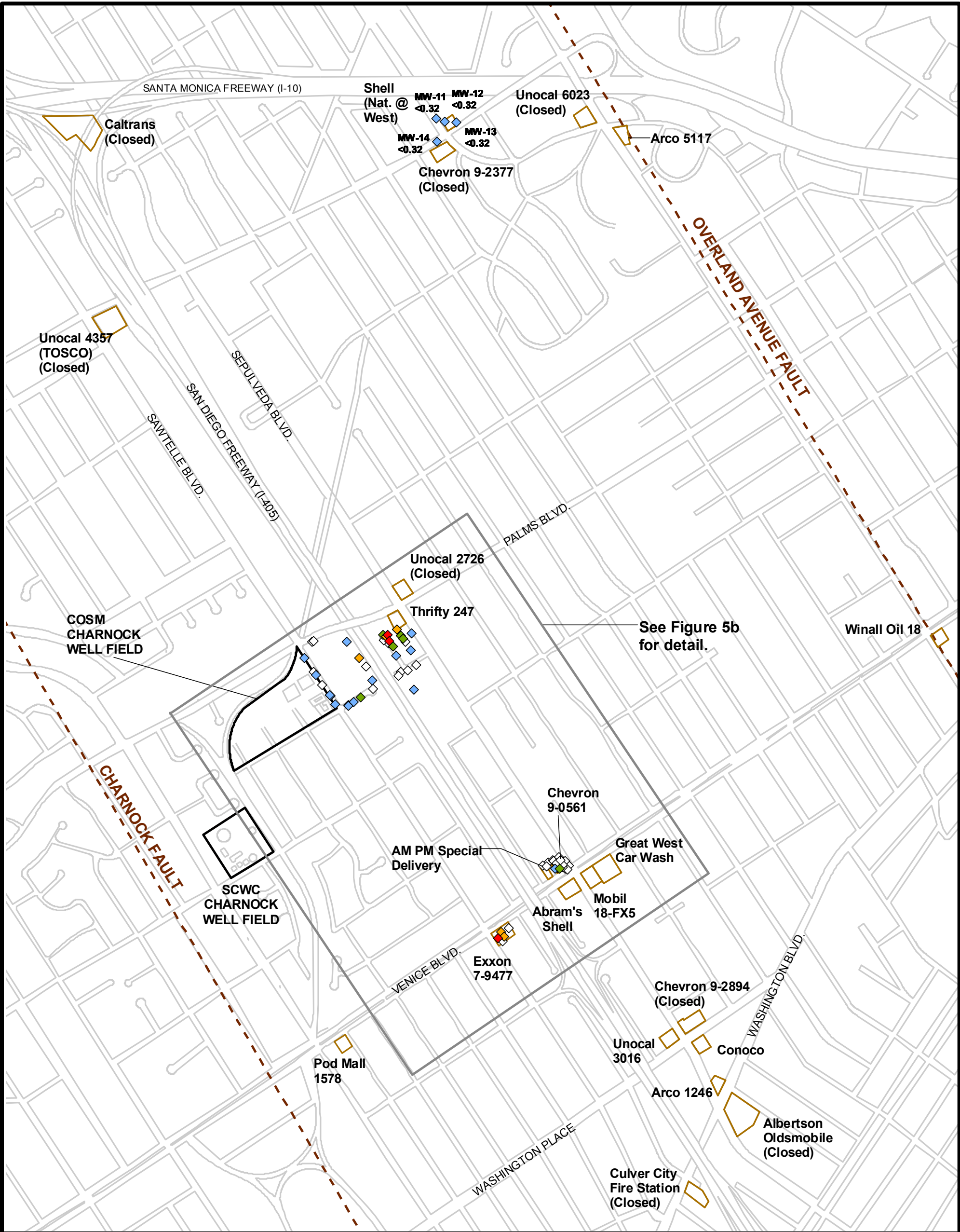
Contract Number: 03-15184D1

Approved:

Revised:

Figure

4c



EXPLANATION

- ◆ Perched Zone Monitoring Well
- - - Fault Zone
- Site

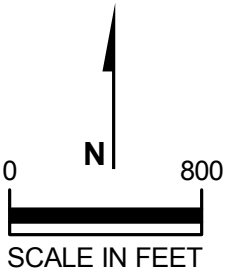
MTBE Concentrations from Third Quarter (July - September 2006)

Concentration Ranges

- ◆ Greater than 1,000 ug/l
- ◆ 100 - 1,000 ug/l
- ◆ 5 - 100 ug/l
- ◆ Less than 5 ug/l
- ◇ Concentration not available
- ◆ LNAPL Present

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentration for this quarter not available

SOURCE: Charnock Database, January 2007



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

MTBE - Perched Zones, Third Quarter 2006
Charnock Sub-Basin; Los Angeles, California

Drafter:

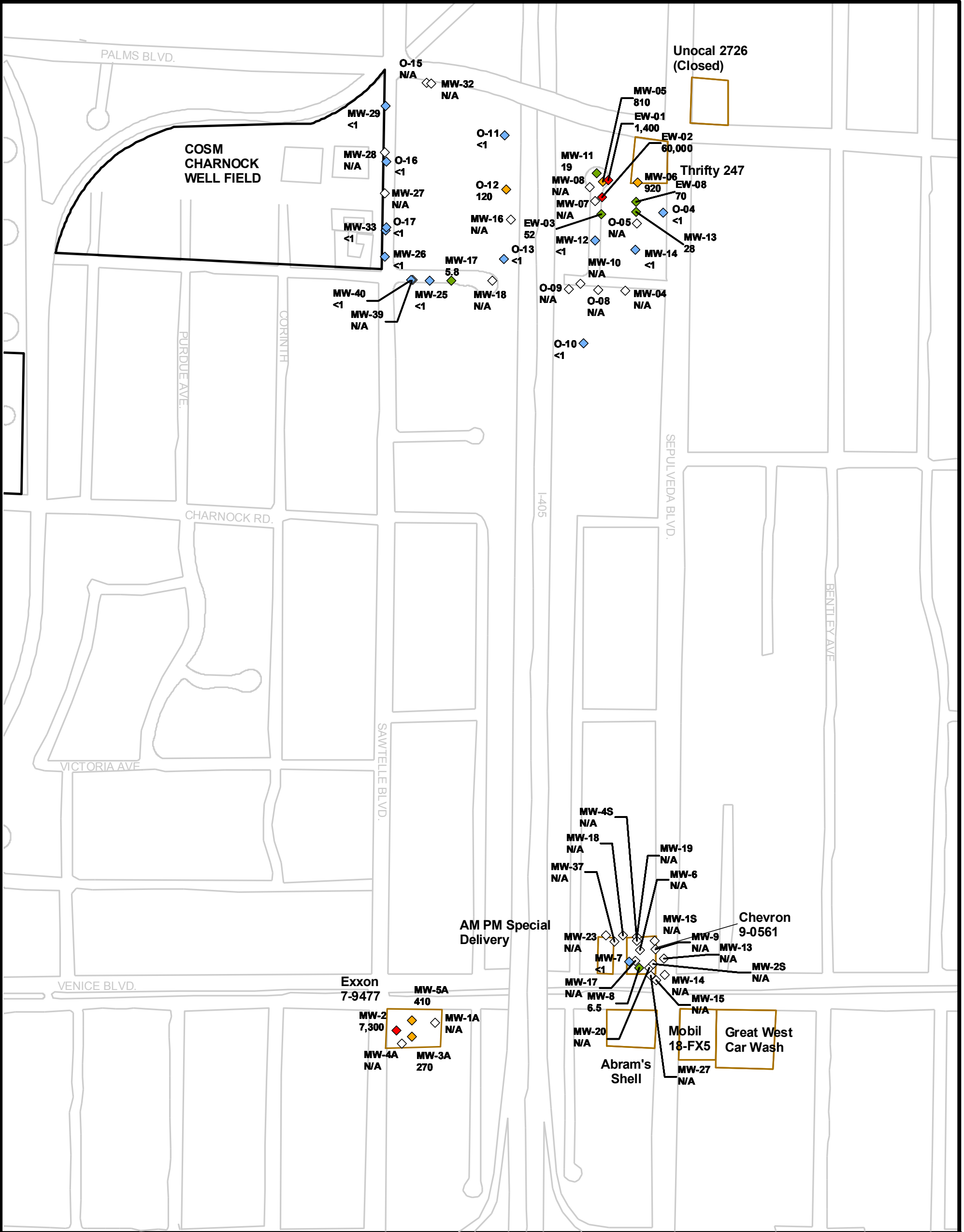
Date: 10/16/06

Contract Number: 03-15184D1

Approved:

Revised:

Figure
5a



EXPLANATION

- ◆ Perched Zone Monitoring Well
- - - Fault Zone
- Site

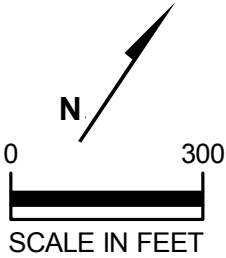
MTBE Concentrations from Third Quarter (July - September 2006)

Concentration Ranges

- ◆ Greater than 1,000 ug/l
- ◆ 100 - 1,000 ug/l
- ◆ 5 - 100 ug/l
- ◆ Less than 5 ug/l
- ◇ Concentration not available
- ◆ LNAPL Present

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentration for this quarter not available

SOURCE: Charnock Database, January 2007



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

MTBE - Perched Zones, Third Quarter 2006
Charnock MTBE Investigation Area Detail
Charnock Sub-Basin; Los Angeles, California

Drafter:

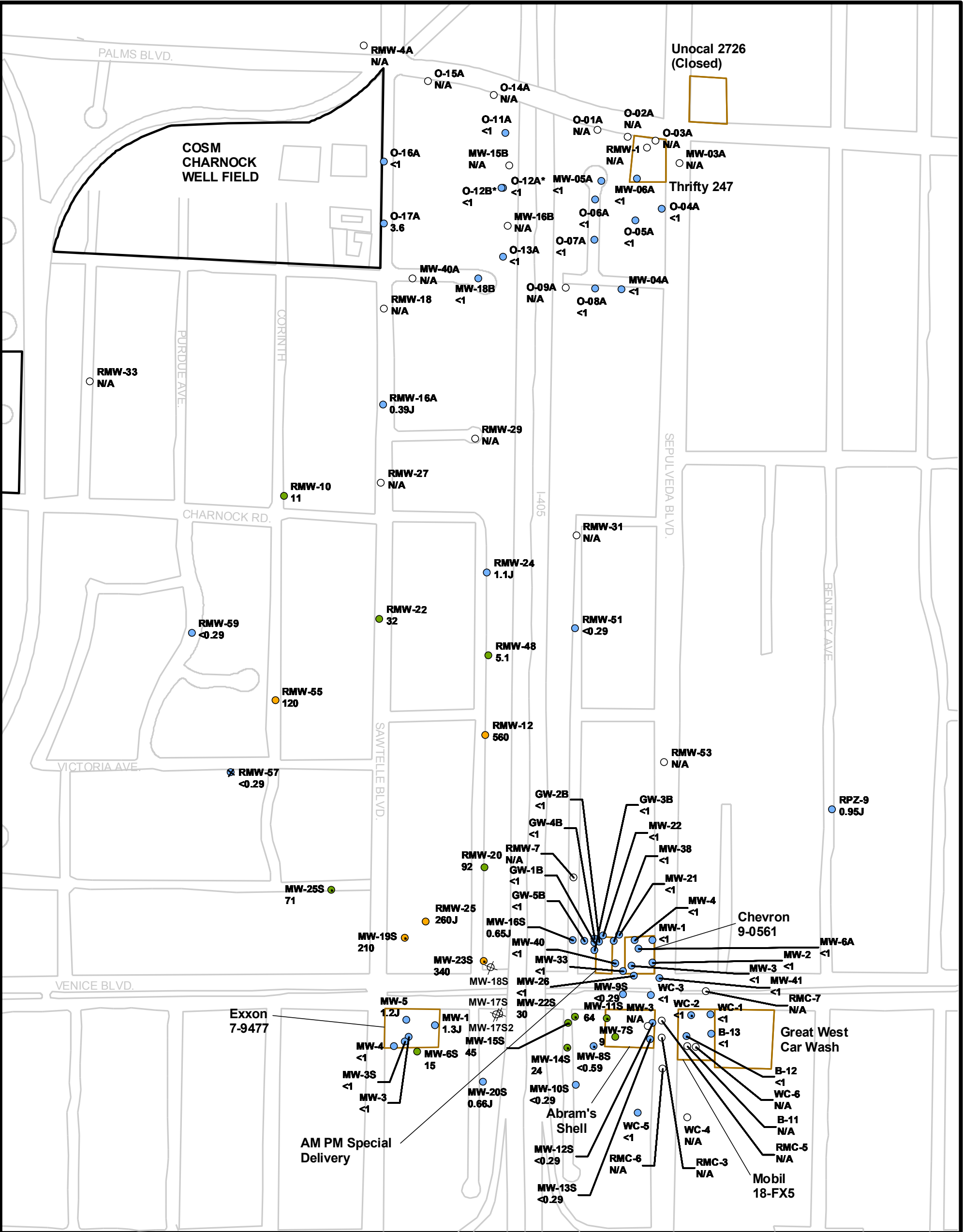
Date: 10/16/06

Contract Number: 03-15184D1

Approved:

Revised:

Figure
5b



EXPLANATION

- Shallow Aquifer Monitoring Well
- ⊙ Shallow Aquifer Extraction Well
- ⊕ Aquifer designation to be determined; data are posted for comparison.
- ⊗ Destroyed
- - - Fault Zone
- Site

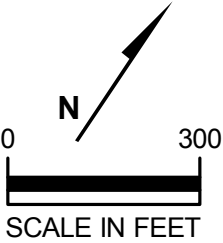
MTBE Concentrations from Third Quarter (July - September 2006)

Concentration Ranges

- Greater than 1,000 ug/l
- 100 - 1,000 ug/l
- 5 - 100 ug/l
- Less than 5 ug/l
- Concentration not available

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentration for this quarter not available
- * Well O-12A is screened from 100.9 feet to 110.9 feet bgs. Well O-12B is screened at the base of the Shallow Aquifer from 155.7 feet to 165.7 feet bgs.

SOURCE: Charnock Database, January 2007



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

MTBE - Shallow Aquifer, Third Quarter 2006
Charnock MTBE Investigation Area Detail
Charnock Sub-Basin; Los Angeles, California

Drafter:

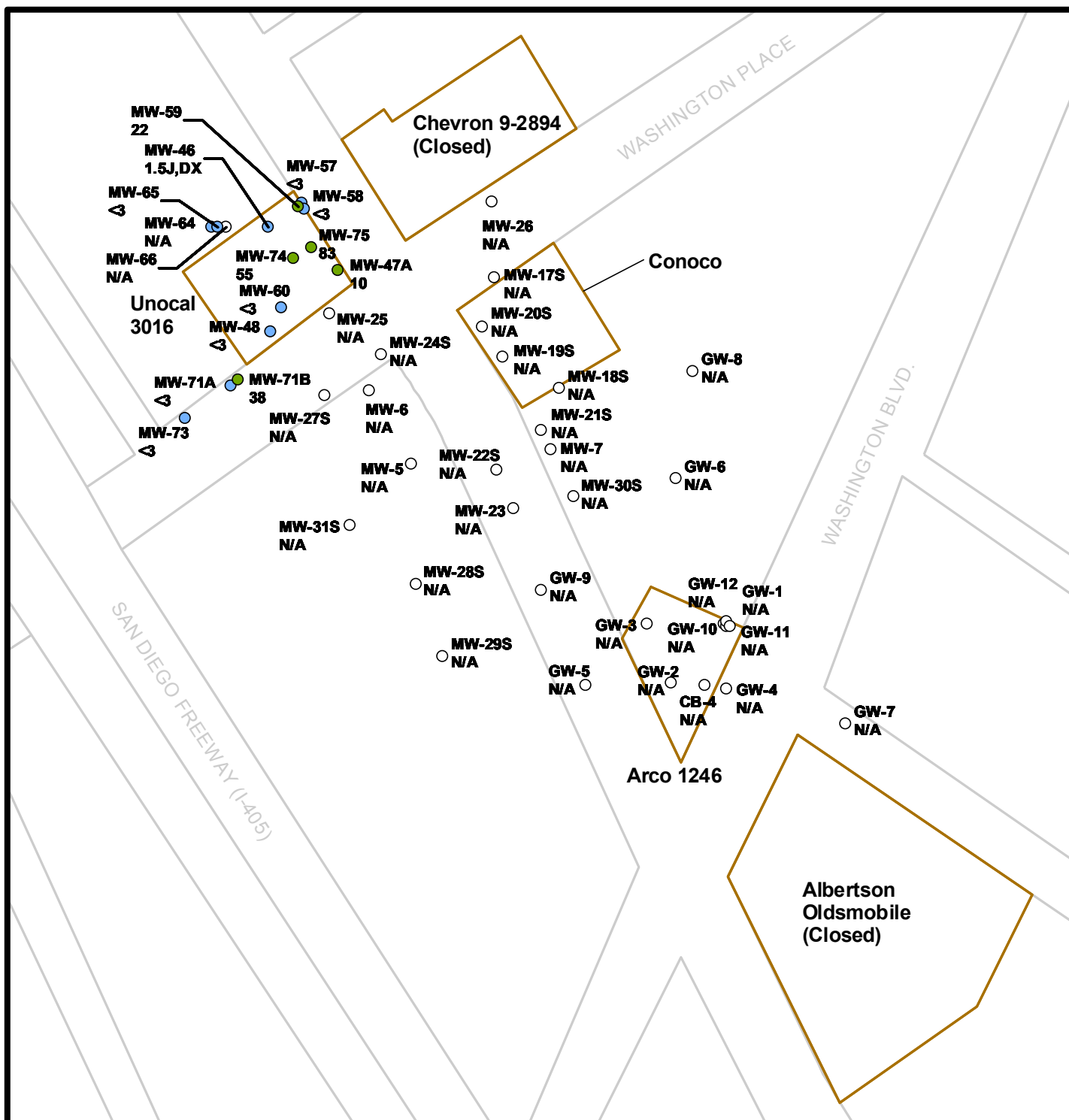
Date: 10/16/06

Contract Number: 03-15184D1

Approved:

Revised:

Figure
6b



EXPLANATION

MTBE Concentrations from Third Quarter (July - September 2006)

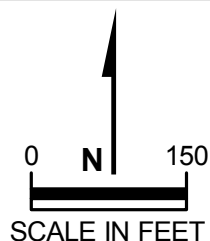
- Shallow Aquifer Monitoring Well
- Site

Concentration Ranges

- Greater than 1,000 ug/l
- 100 - 1,000 ug/l
- 5 - 100 ug/l
- Less than 5 ug/l
- Concentration not available

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentrations for this quarter not available
- DX Value < lowest standard (MQL), but > than MDL

SOURCE: Charnock Database, January 2007



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

MTBE - Shallow Aquifer, Third Quarter 2006
Washington and Sepulveda Intersection Detail
 Charnock Sub-Basin; Los Angeles, California

Figure

6c

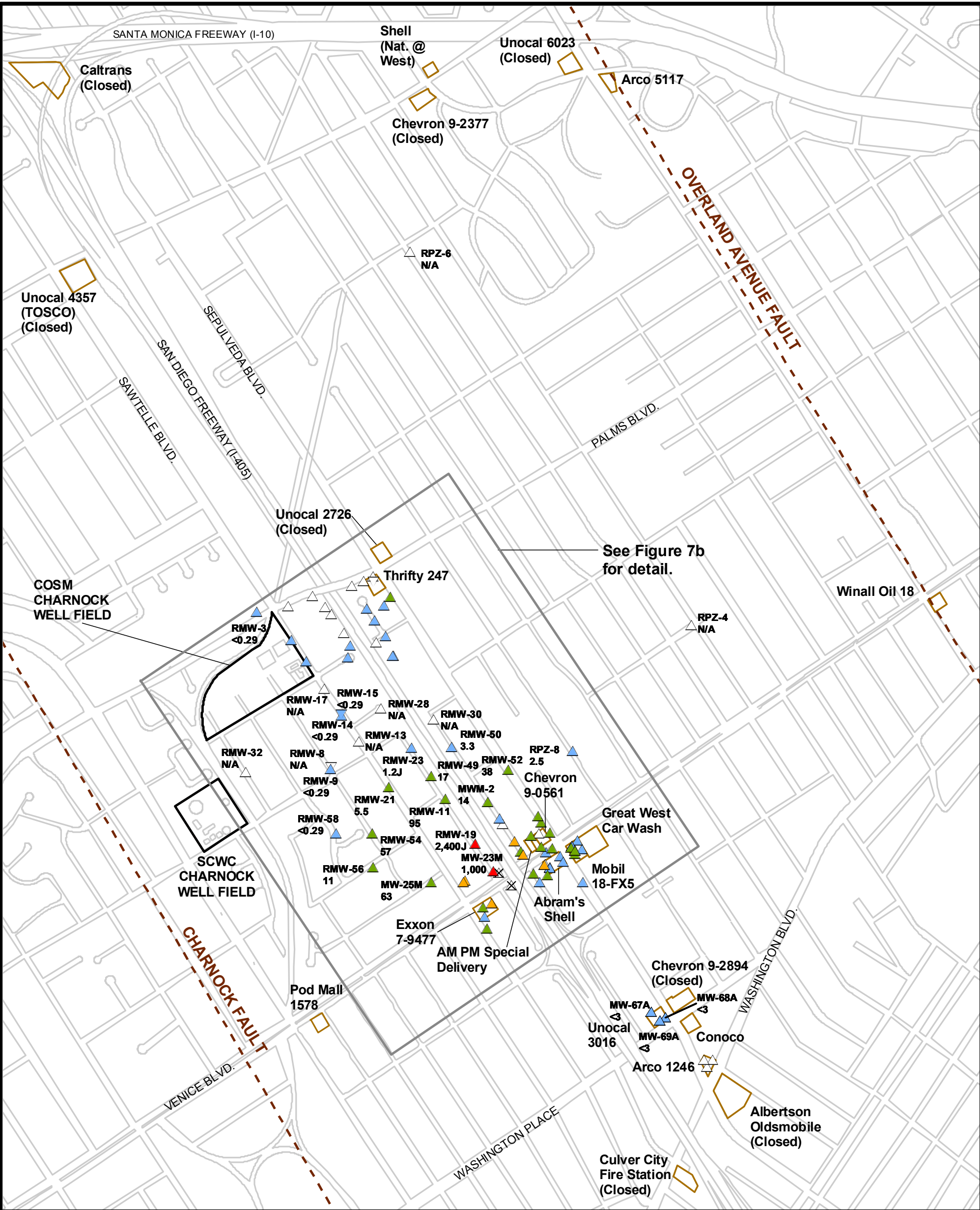
Drafter:

Date: 10/16/06

Contract Number: 03-15184D1

Approved:

Revised:



EXPLANATION

- ▲ Upper Silverado Aquifer Monitoring Well
- ▲ Upper Silverado Aquifer Extraction Well
- ▼ Lower Silverado Aquifer Monitoring Well
- ✕ Destroyed
- - - Fault Zone
- Site

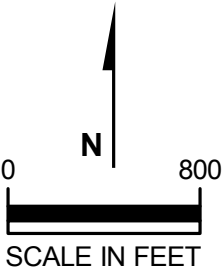
MTBE Concentrations from Third Quarter (July - September 2006)

Concentration Ranges

- Greater than 1,000 ug/l
- 100 - 1,000 ug/l
- 5 - 100 ug/l
- Less than 5 ug/l
- Concentration not available

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentration for this quarter not available

SOURCE: Charnock Database, January 2007



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

MTBE - Silverado Aquifer, Third Quarter 2006
Charnock Sub-Basin; Los Angeles, California

Drafter:

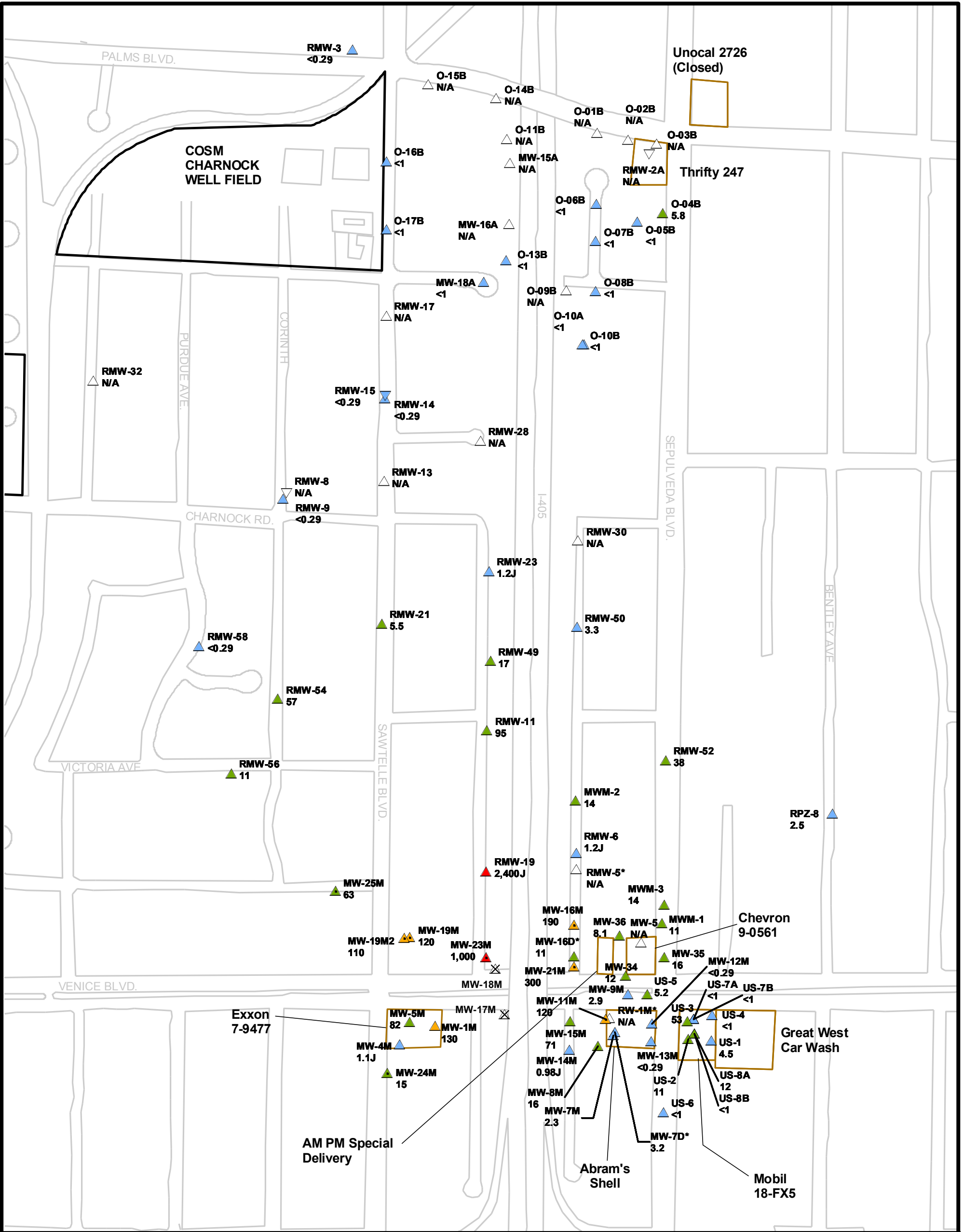
Date: 10/16/06

Contract Number: 03-15184D1

Approved:

Revised:

Figure
7a



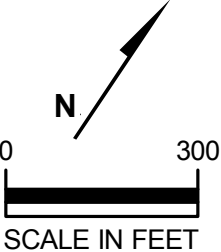
EXPLANATION

- Upper Silverado Aquifer Monitoring Well
- Upper Silverado Aquifer Extraction Well
- Lower Silverado Aquifer Monitoring Well
- Destroyed
- Fault Zone
- Site

MTBE Concentrations from Third Quarter (July - September 2006)

Concentration Ranges			
Greater than 1,000 ug/l	Red triangle	<2	Not detected at or above the detection limit shown
100 - 1,000 ug/l	Orange triangle	U, V, or X	Less than the value shown
5 - 100 ug/l	Green triangle	J	Estimated value
Less than 5 ug/l	Blue triangle	N/A	Concentration for this quarter not available
Concentration not available	White triangle	*	Well is screened in a deeper interval of the Upper Silverado Aquifer

SOURCE: Charnock Database, January 2007



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

MTBE - Silverado Aquifer, Third Quarter 2006
Charnock MTBE Investigation Area Detail
Charnock Sub-Basin; Los Angeles, California

Drafter:

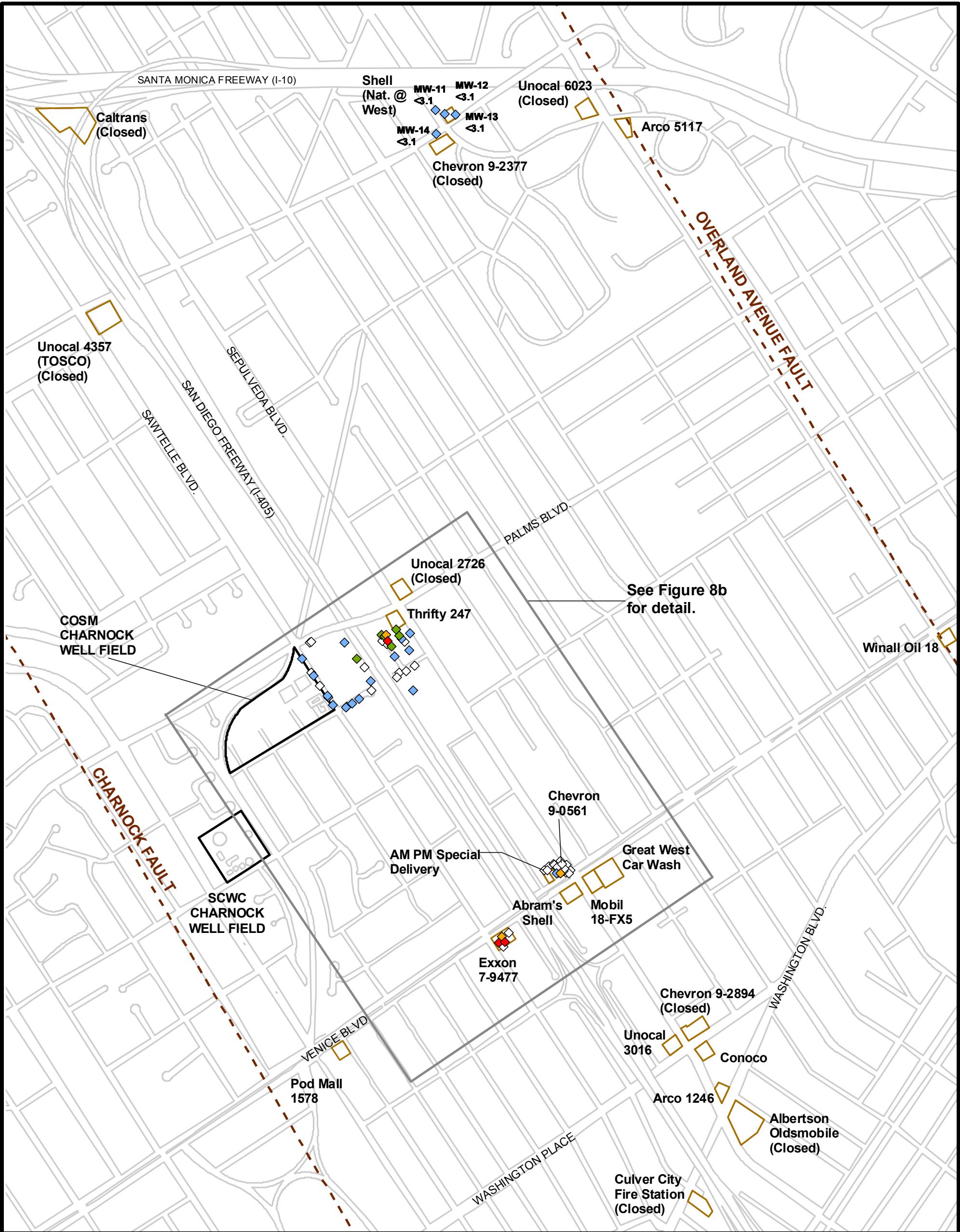
Date: 10/16/06

Contract Number: 03-15184D1

Approved:

Revised:

Figure
7b



EXPLANATION

- ◆ Perched Zone Monitoring Well
- - - Fault Zone
- Site

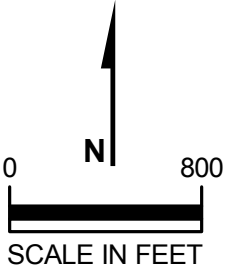
TBA Concentrations from Third Quarter (July - September 2006)

Concentration Ranges

- ◆ Greater than 1,000 ug/l
- ◆ 100 - 1,000 ug/l
- ◆ 5 - 100 ug/l
- ◆ Less than 5 ug/l
- ◇ Concentration not available
- ◆ LNAPL Present

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentration for this quarter not available
- (a) Raised detection limit

SOURCE: Charnock Database, January 2007



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

TBA - Perched Zones, Third Quarter 2006
Charnock Sub-Basin; Los Angeles, California

Drafter:

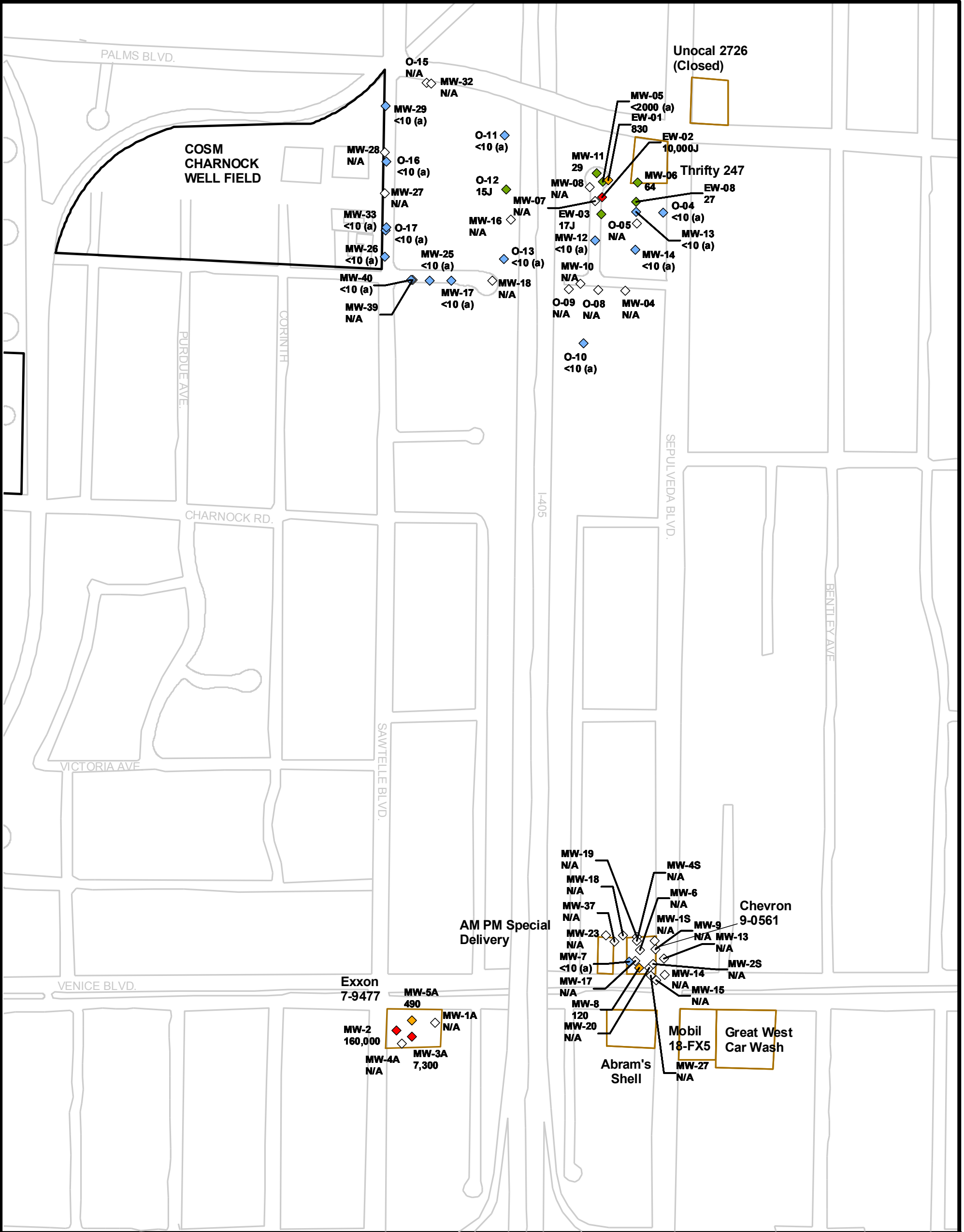
Date: 10/16/06

Contract Number: 03-15184D1

Approved:

Revised:

Figure
8a



EXPLANATION

- ◆ Perched Zone Monitoring Well
- - - Fault Zone
- Site

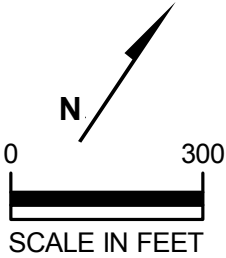
TBA Concentrations from Third Quarter (July - September 2006)

Concentration Ranges

- ◆ Greater than 1,000 ug/l
- ◆ 100 - 1,000 ug/l
- ◆ 5 - 100 ug/l
- ◆ Less than 5 ug/l
- ◇ Concentration not available
- ◆ LNAPL Present

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentration for this quarter not available
- (a) Raised detection limit

SOURCE: Charnock Database, January 2007



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

TBA - Perched Zones, Third Quarter 2006
Charnock MTBE Investigation Area Detail
Charnock Sub-Basin; Los Angeles, California

Drafter:

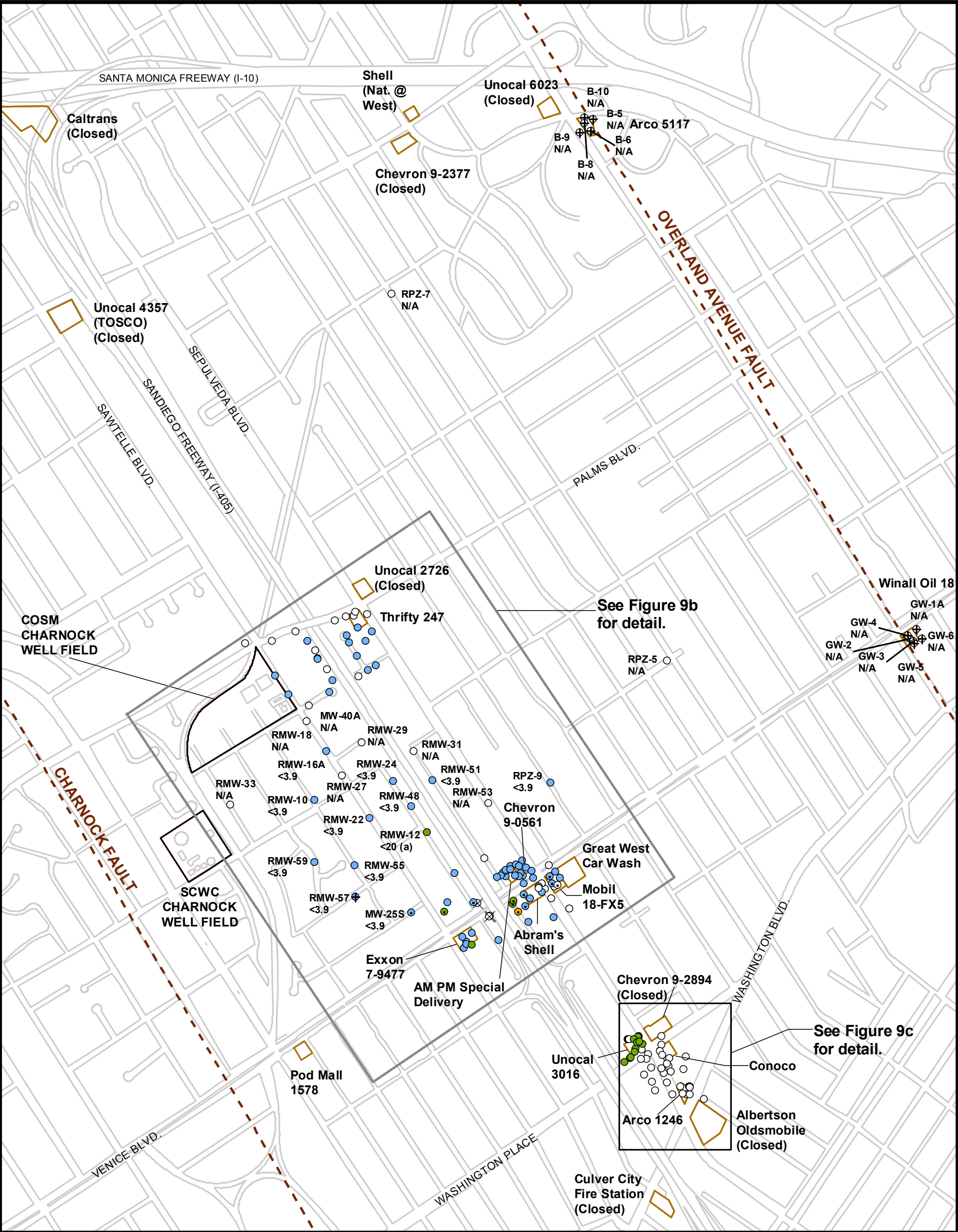
Date: 10/16/06

Contract Number: 03-15184D1

Approved:

Revised:

Figure
8b



EXPLANATION

○

Shallow Aquifer Monitoring Well

⊙

Shallow Aquifer Extraction Well

⊕

Aquifer designation to be determined;
data are posted for comparison.

⊗

Destroyed

Fault Zone

□

Site

TBA Concentrations from Third Quarter (July - September 2006)

Concentration Ranges

●

Greater than 1,000 ug/l

●

100 - 1,000 ug/l

●

5 - 100 ug/l

●

Less than 5 ug/l

○

Concentration not available

<2

Not detected at or above the
detection limit shown

U, V, or X

Less than the value shown

J

Estimated value

N/A

Concentration for this quarter
not available

(a)

Raised detection limit

SOURCE: Charnock Database, January 2007

0

800

N

SCALE IN FEET

ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

TBA - Shallow Aquifer, Third Quarter 2006

Charnock Sub-Basin; Los Angeles, California

Drafter:

Date: 06/01/06

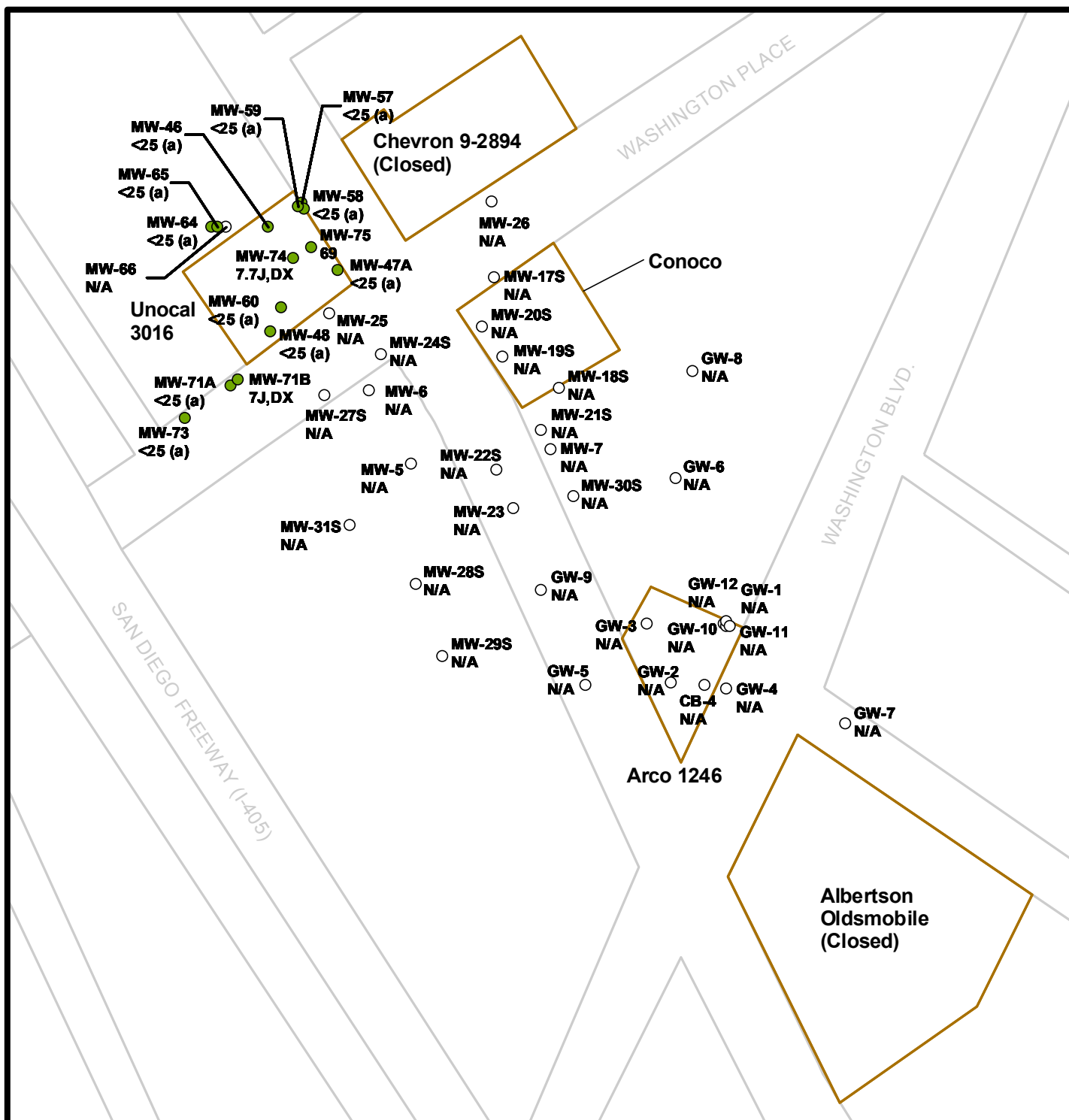
Contract Number: 03-15184D1

Approved:

Revised:

Figure

9a



EXPLANATION

TBA Concentrations from Third Quarter (July - September 2006)

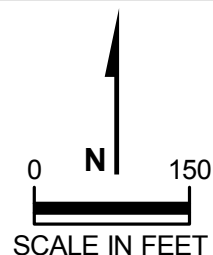
- Shallow Aquifer Monitoring Well
- Site

Concentration Ranges

- Greater than 1,000 ug/l
- 100 - 1,000 ug/l
- 5 - 100 ug/l
- Less than 5 ug/l
- Concentration not available

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentrations for this quarter not available
- DX Value < lowest standard (MQL), but > than MDL
- (a) Raised detection limit

SOURCE: Charnock Database, January 2007



ENVIRON

TBA - Shallow Aquifer, Third Quarter 2006
Washington and Sepulveda Intersection Detail
 Charnock Sub-Basin; Los Angeles, California

Figure

9c

6001 Shellmound St., Suite 700, Emeryville, CA 94608

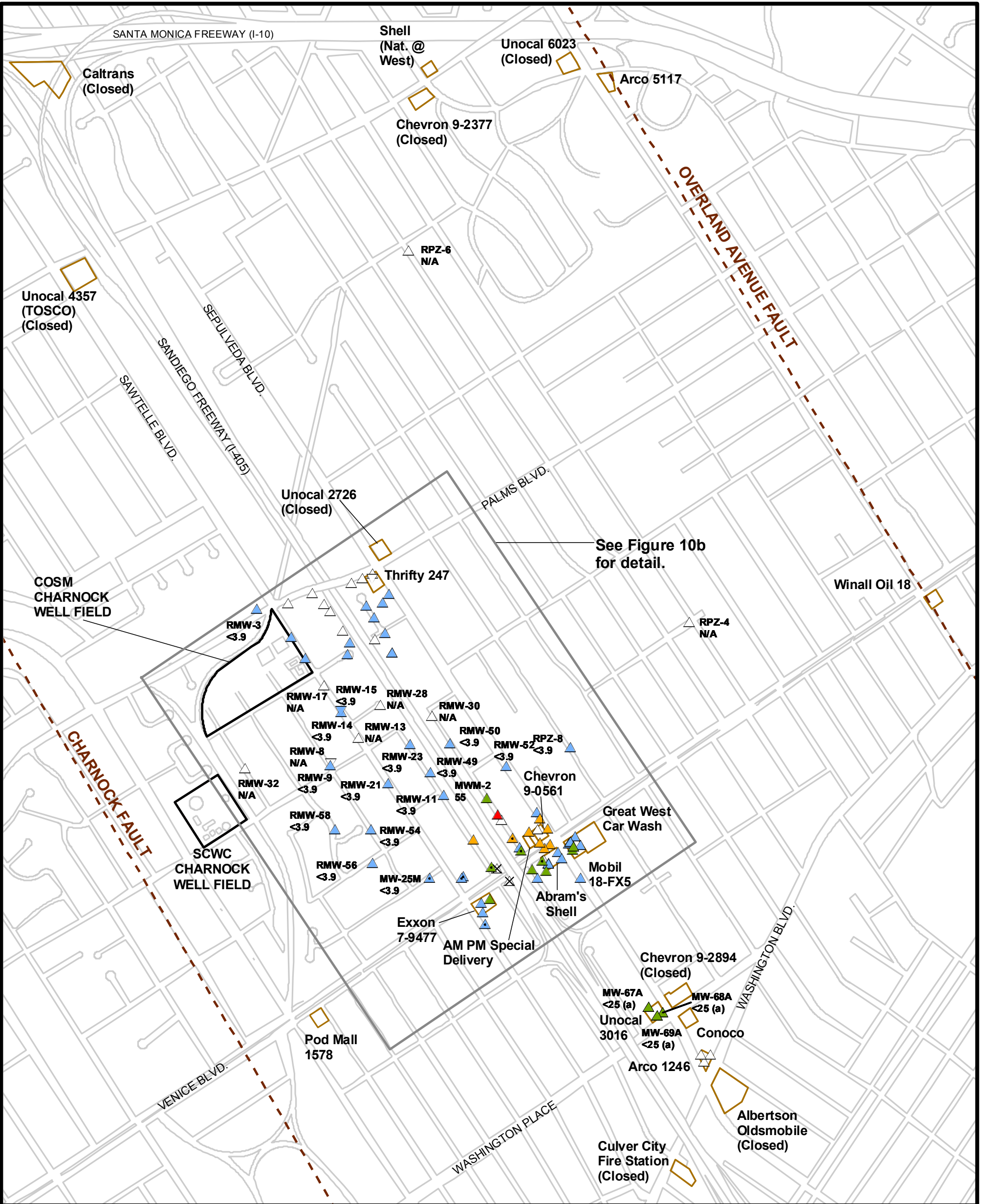
Drafter:

Date: 10/16/06

Contract Number: 03-15184D1

Approved:

Revised:



EXPLANATION

- ▲ Upper Silverado Aquifer Monitoring Well
- ▲ Upper Silverado Aquifer Extraction Well
- ▼ Lower Silverado Aquifer Monitoring Well
- ✕ Destroyed
- - - Fault Zone
- Site

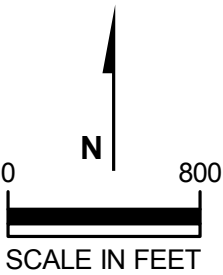
TBA Concentrations from Third Quarter (July - September 2006)

Concentration Ranges

- Greater than 1,000 ug/l
- 100 - 1,000 ug/l
- 5 - 100 ug/l
- Less than 5 ug/l
- Concentration not available

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentration for this quarter not available
- (a) Raised detection limit

SOURCE: Charnock Database, January 2007



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

TBA - Silverado Aquifer, Third Quarter 2006
Charnock Sub-Basin; Los Angeles, California

Drafter:

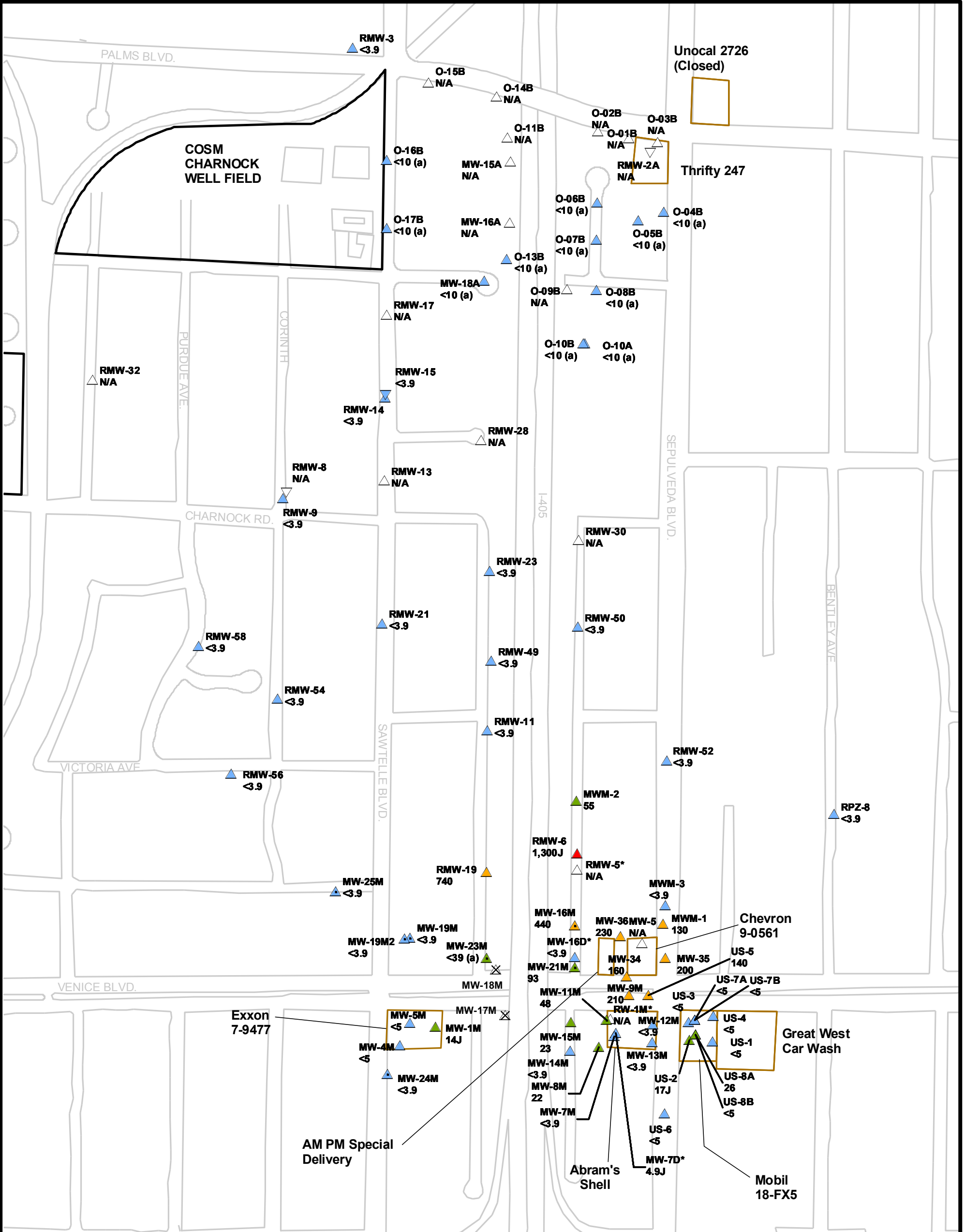
Date: 10/16/06

Contract Number: 03-15184D1

Approved:

Revised:

Figure
10a

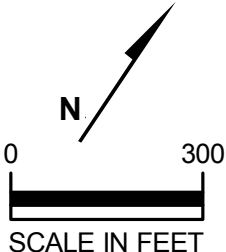


EXPLANATION

- Upper Silverado Aquifer Monitoring Well
- Upper Silverado Aquifer Extraction Well
- Lower Silverado Aquifer Monitoring Well
- Destroyed
- Fault Zone
- Site

TBA Concentrations from Third Quarter (July - September 2006)

- Concentration Ranges
- Greater than 1,000 ug/l
 - 100 - 1,000 ug/l
 - 5 - 100 ug/l
 - Less than 5 ug/l
 - Concentration not available
- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentration for this quarter not available
- (a) Raised detection limit
- * Well is screened in a deeper interval of the Upper Silverado Aquifer
- SOURCE: Charnock Database, January 2007



ENVIRON

6001 Shellmound St., Suite 700, Emeryville, CA 94608

TBA - Silverado Aquifer, Third Quarter 2006
Charnock MTBE Investigation Area Detail
Charnock Sub-Basin; Los Angeles, California

Drafter:

Date: 10/16/06

Contract Number: 03-15184D1

Approved:

Revised:

Figure
10b

A P P E N D I X A

Field Parameters Measured During Groundwater Sampling Third Quarter 2006

FIELD PARAMETERS MEASURED DURING GROUNDWATER SAMPLING
Third Quarter (July) 2006
Charnock Sub-Basin; Los Angeles, California

Well No.	Date	Casing Volume (gal) ²	Volume Purged (gal) ²	pH	SEC ¹ (ms) ³	Temperature (°C) ⁴	Turbidity (NTU) ⁵	Remarks
RMW-3	7/11/06	111	450	5.95	1.23	21.4	460	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 55 minutes
				5.91	1.23	21.4	480	
				5.89	1.23	21.4	510	
				5.89	1.22	21.4	590	
				5.90	1.21	21.4	620	
				5.88	1.20	21.4	640	
				5.88	1.19	21.4	650	
				5.89	1.18	21.5	650	
				5.89	1.17	21.5	610	
RMW-6	7/24/06	78	312	6.30	1.30	21.5	70	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 65 minutes
				6.30	1.29	21.5	51	
				6.35	1.25	21.6	57	
				6.39	1.28	21.6	53	
				6.39	1.28	21.6	44	
				6.43	1.26	21.6	49	
				6.45	1.27	21.6	34	
				6.48	1.27	21.6	27	
				6.47	1.27	21.6	19	
RMW-9	7/11/06	105	420	5.89	1.56	21.3	85	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 55 minutes
				5.90	1.63	21.4	110	
				5.93	1.64	21.3	67	
				5.93	1.64	21.3	110	
				5.94	1.60	21.3	200	
				5.95	1.59	21.3	110	
				5.95	1.60	21.3	86	
				5.96	1.60	21.3	110	
				5.96	1.59	21.3	79	
RMW-10	7/11/06	44	176	6.41	1.54	21.3	180	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 40 minutes
				6.40	1.53	21.3	300	
				6.30	1.53	21.3	430	
				6.26	1.53	21.3	360	
				6.24	1.53	21.3	94	
				6.22	1.52	21.3	540	
				6.21	1.51	21.3	990	
				6.20	1.55	21.3	340	
				6.20	1.56	21.3	190	
RMW-11	7/17/06	86	345	6.41	1.56	22.2	130	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 65 minutes
				6.27	1.33	22.2	140	
				5.64	1.15	22.4	37	
				5.47	1.17	21.9	45	
				5.39	1.17	21.8	50	
				5.75	1.19	21.8	40	
				5.76	1.19	21.8	33	
				5.74	1.16	21.8	47	
				5.74	1.17	21.8	55	

FIELD PARAMETERS MEASURED DURING GROUNDWATER SAMPLING
Third Quarter (July) 2006
Charnock Sub-Basin; Los Angeles, California

Well No.	Date	Casing Volume (gal) ²	Volume Purged (gal) ²	pH	SEC ¹ (ms) ³	Temperature (°C) ⁴	Turbidity (NTU) ⁵	Remarks
RMW-12	7/17/06	38	152	5.64	1.53	21.8	17	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 36 minutes
				5.65	1.52	21.8	25	
				5.65	1.50	21.8	34	
				5.66	1.51	21.8	38	
				5.67	1.50	21.8	38	
				5.67	1.50	21.8	40	
				5.68	1.49	21.8	44	
				5.68	1.48	21.8	45	
RMW-14	7/10/06	88	352	5.69	1.48	21.8	30	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 60 minutes
				5.10	0.16	21.4	31	
				5.05	0.15	21.2	24	
				5.07	1.20	21.3	84	
				5.07	1.20	21.3	92	
				5.05	1.22	21.3	140	
				4.96	1.22	21.4	190	
				4.95	1.23	21.4	220	
RMW-15	7/10/06	79	632	4.95	1.23	21.3	230	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 75 minutes
				4.95	1.23	21.4	230	
				6.82	0.90	21.2	44	
				6.67	0.92	21.1	47	
				6.44	0.92	21.2	68	
				5.87	0.92	21.6	180	
				5.90	0.93	21.6	170	
				5.87	0.92	21.7	250	
RMW-16A	7/10/06	49	200	5.87	0.92	21.7	270	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 38 minutes
				5.88	0.92	21.7	310	
				5.79	0.90	21.7	440	
				5.10	0.31	21.3	44	
				4.83	0.66	21.2	47	
				4.96	1.17	21.3	68	
				5.11	1.22	21.3	180	
				5.10	1.22	21.2	170	
RMW-19	7/17/06	81	320	5.10	1.22	21.3	250	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 50 minutes
				5.12	1.23	21.3	270	
				5.12	1.24	21.3	310	
				5.11	1.23	21.3	440	
				5.80	0.16	21.5	43	
				5.81	1.58	21.6	57	
				6.79	1.65	21.6	140	
				6.79	1.68	21.6	150	
				6.55	1.61	216.0	200	
				6.44	1.56	21.7	74	
				6.37	1.53	21.7	49	
				6.32	1.55	21.6	37	
				6.31	1.54	21.6	52	

FIELD PARAMETERS MEASURED DURING GROUNDWATER SAMPLING
Third Quarter (July) 2006
Charnock Sub-Basin; Los Angeles, California

Well No.	Date	Casing Volume (gal) ²	Volume Purged (gal) ²	pH	SEC ¹ (ms) ³	Temperature (°C) ⁴	Turbidity (NTU) ⁵	Remarks
RMW-20	7/17/06	63	250	5.70	0.15	21.5	83	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 43 minutes
				5.69	1.50	21.6	89	
				5.63	1.68	21.6	75	
				5.63	1.69	21.6	57	
				5.63	1.72	21.6	34	
				5.63	1.72	21.6	24	
				5.63	1.73	21.7	21	
				5.63	1.71	21.7	39	
RMW-21	7/14/06	87	345	5.63	1.70	21.7	32	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 50 minutes
				6.15	0.49	20.9	3	
				6.21	0.70	21.0	2	
				6.28	0.94	21.1	16	
				6.31	0.95	21.1	22	
				6.34	0.97	21.3	65	
				6.32	0.95	21.5	78	
				6.31	0.98	21.5	38	
RMW-22	7/14/06	67	265	6.32	0.97	21.5	34	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 40 minutes
				6.31	0.98	21.5	41	
				6.13	0.93	20.9	28	
				6.17	1.13	20.9	29	
				6.25	1.28	21.0	40	
				6.58	1.41	21.3	46	
				6.57	1.41	21.3	12	
				6.50	1.35	21.3	49	
RMW-23	7/13/06	93	368	6.49	1.33	21.3	87	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 50 minutes
				6.49	1.33	21.3	20	
				6.48	1.33	21.3	34	
				5.93	1.21	21.9	85	
				5.95	1.21	21.8	110	
				5.99	1.19	21.8	57	
				6.08	1.24	21.9	85	
				6.12	1.24	21.9	75	
RMW-24	7/13/06	60	240	6.13	1.25	21.9	81	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 40 minutes
				6.14	1.23	22.0	150	
				6.14	1.25	21.9	24	
				6.14	1.24	21.9	45	
				6.04	1.30	21.6	46	
				6.04	1.31	21.6	54	
				6.07	1.35	21.7	63	
				6.11	1.37	21.7	60	
				6.12	1.35	21.7	79	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 40 minutes
				6.14	1.34	21.8	140	
				6.13	1.32	21.8	100	
				6.13	1.34	21.8	130	
				6.13	1.32	21.8	140	

FIELD PARAMETERS MEASURED DURING GROUNDWATER SAMPLING
Third Quarter (July) 2006
Charnock Sub-Basin; Los Angeles, California

Well No.	Date	Casing Volume (gal) ²	Volume Purged (gal) ²	pH	SEC ¹ (ms) ³	Temperature (°C) ⁴	Turbidity (NTU) ⁵	Remarks
RMW-25	7/14/06	64	256	7.25	1.87	21.2	40	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 45 minutes
				7.20	1.83	21.3	38	
				7.10	1.80	21.3	63	
				7.06	1.77	21.3	86	
				7.04	1.77	21.3	93	
				6.99	1.77	21.3	38	
				6.94	1.78	21.3	40	
				6.88	1.91	21.3	3	
RMW-48	7/13/06	65	256	6.88	1.91	21.3	3	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 50 minutes
				5.96	1.33	21.7	99	
				5.98	1.34	21.7	89	
				6.00	1.36	21.7	60	
				6.06	1.35	21.7	82	
				6.08	1.65	21.7	60	
				6.16	1.32	21.7	89	
				6.16	1.31	21.7	81	
RMW-49	7/13/06	84	336	6.11	1.33	21.7	76	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 66 minutes
				6.15	1.33	21.7	68	
				5.96	0.99	21.8	100	
				5.99	1.10	21.9	140	
				6.09	1.14	21.7	50	
				6.09	1.14	21.8	43	
				6.10	1.13	21.8	38	
				6.12	1.11	21.8	36	
RMW-50	7/12/06	93	368	6.18	1.12	21.8	37	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 66 minutes
				6.14	1.12	21.8	39	
				6.14	1.11	21.8	37	
				7.10	1.32	21.9	790	
				7.05	1.32	21.9	190	
				7.31	1.31	21.9	97	
				7.32	1.33	21.9	66	
				7.53	1.35	21.9	16	
RMW-51	7/12/06	50	200	7.62	1.33	21.9	36	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 40 minutes
				7.62	1.33	21.9	42	
				7.64	1.34	21.9	51	
				7.64	1.34	21.9	66	
				6.98	1.98	22.2	70	
				6.96	1.99	22.0	63	
				6.94	1.97	21.8	45	
				6.94	1.96	21.8	25	
				6.93	1.95	21.8	41	
				6.95	1.98	21.8	86	
				6.94	1.98	21.8	61	
				6.95	1.97	21.8	71	
				6.95	1.98	21.8	89	

FIELD PARAMETERS MEASURED DURING GROUNDWATER SAMPLING
Third Quarter (July) 2006
Charnock Sub-Basin; Los Angeles, California

Well No.	Date	Casing Volume (gal) ²	Volume Purged (gal) ²	pH	SEC ¹ (ms) ³	Temperature (°C) ⁴	Turbidity (NTU) ⁵	Remarks
RMW-52	7/21/06	66	265	6.51	1.23	21.4	49	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 50 minutes
				6.93	1.26	21.4	58	
				7.20	1.25	21.4	60	
				7.21	1.26	21.4	46	
				7.22	1.25	21.4	38	
				7.23	1.26	21.4	34	
				7.25	1.27	21.4	41	
				7.26	1.25	21.4	32	
RMW-54	7/12/06	87	355	7.27	1.26	21.5	26	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 60 minutes
				6.34	1.64	21.1	120	
				6.67	1.57	21.3	260	
				6.83	1.52	21.3	170	
				7.06	1.68	21.4	100	
				7.05	1.68	21.4	120	
				7.05	1.68	21.4	130	
				7.08	1.65	21.4	75	
RMW-55	7/12/06	61	245	7.08	1.79	21.4	87	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 45 minutes
				7.08	1.75	21.4	100	
				7.09	1.90	21.3	170	
				7.14	1.90	21.3	440	
				7.22	1.82	21.4	4110	
				7.22	1.83	21.4	510	
				7.22	1.88	21.4	200	
				7.25	1.86	21.4	180	
RMW-56	7/18/06	86	344	7.25	1.85	21.4	88	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 50 minutes
				7.24	1.88	21.4	120	
				7.23	1.89	21.4	180	
				7.41	2.10	20.9	83	
				7.33	2.12	20.9	220	
				6.95	2.17	21.0	690	
				6.89	2.16	21.0	510	
				6.81	2.16	21.0	400	
RMW-57	7/18/06	66	264	6.74	2.15	20.9	160	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 40 minutes
				6.69	2.15	20.9	88	
				6.62	2.15	20.9	69	
				6.58	2.16	20.8	26	
				7.08	2.31	20.9	83	
				6.99	2.32	20.9	74	
				6.57	2.35	20.9	81	
				6.44	2.36	20.9	100	
				6.17	2.37	20.9	55	
				6.20	2.37	20.9	81	
				6.25	2.36	20.9	96	
				6.27	2.36	20.9	130	
				6.30	2.35	20.9	190	

FIELD PARAMETERS MEASURED DURING GROUNDWATER SAMPLING
Third Quarter (July) 2006
Charnock Sub-Basin; Los Angeles, California

Well No.	Date	Casing Volume (gal) ²	Volume Purged (gal) ²	pH	SEC ¹ (ms) ³	Temperature (°C) ⁴	Turbidity (NTU) ⁵	Remarks
RMW-58	7/18/06	95	384	6.85	1.98	20.7	89	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 61 minutes
				6.84	1.99	20.7	120	
				6.73	2.02	20.7	12	
				6.74	2.04	20.7	110	
				6.63	2.03	20.7	21	
				6.54	2.02	21.0	7	
				6.40	2.03	21.1	87	
				6.36	2.02	20.7	170	
RMW-59	7/18/06	70	280	6.38	2.02	20.7	100	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 50 minutes
				6.73	2.24	21.0	49	
				6.77	2.24	21.0	86	
				6.80	2.26	21.0	53	
				6.73	2.27	21.0	56	
				6.53	2.29	21.0	80	
				6.52	2.29	21.0	88	
				6.51	2.30	21.0	74	
RPZ-8	7/27/06	49	195	6.49	2.30	21.0	52	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 45 minutes
				6.49	2.30	21.0	70	
				5.47	1.52	21.2	70	
				5.48	1.52	21.3	37	
				6.10	1.56	21.4	35	
				6.21	1.60	21.5	17	
				6.23	1.61	21.4	3	
				6.23	1.60	21.4	3	
RPZ-9	7/27/06	22	90	6.22	1.61	21.5	22	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 18 minutes
				6.20	1.60	21.5	18	
				6.20	1.60	21.5	12	
				5.38	0.99	21.1	22	
				5.35	1.00	21.1	31	
				5.34	0.98	21.0	22	
				5.32	0.98	21.0	3	
				5.32	0.98	21.0	5	
MWM-1	7/21/06	48	192	5.32	0.98	21.0	20	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 40 minutes
				5.32	0.98	21.0	29	
				5.32	0.98	21.0	13	
				5.32	0.98	21.0	8	
				8.12	1.39	21.6	40	
				8.01	1.39	21.5	28	
				7.74	1.45	21.5	70	
				7.68	1.45	21.5	75	
				7.59	1.45	21.5	42	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 40 minutes
				7.57	1.45	21.5	24	
				7.56	1.45	21.5	34	
				7.55	1.45	21.5	56	
				7.56	1.45	21.5	27	

FIELD PARAMETERS MEASURED DURING GROUNDWATER SAMPLING
Third Quarter (July) 2006
Charnock Sub-Basin; Los Angeles, California

Well No.	Date	Casing Volume (gal) ²	Volume Purged (gal) ²	pH	SEC ¹ (ms) ³	Temperature (°C) ⁴	Turbidity (NTU) ⁵	Remarks
MWM-2	7/19/06	75	320	6.46	1.35	21.6	67	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 75 minutes
				6.55	1.35	21.6	69	
				6.31	1.31	21.6	66	
				6.28	1.32	21.6	72	
				6.29	1.31	21.6	39	
				6.29	1.31	21.6	12	
				6.27	1.31	21.6	28	
				6.28	1.32	21.6	20	
				6.28	1.31	21.6	15	
				6.28	1.31	21.6	40	
MWM-3	7/20/06	64	256	6.67	0.26	21.6	61	Purged using a submersible pump; sampled using a disposable bailer. <u>Duration of purging:</u> 50 minutes
				6.67	1.35	21.6	210	
				6.60	1.52	21.6	87	
				6.61	1.53	21.6	120	
				6.61	1.55	21.6	55	
				6.62	1.56	21.6	86	
				6.62	1.55	21.6	15	
				6.62	1.56	21.6	85	
				6.62	1.55	21.6	71	

Notes:

- (1) SEC = specific electrical conductance
- (2) Volumes greater than 10 are rounded to the nearest gallon.
- (3) ms = millisiemens/cm
- (4) °C = degrees Celsius
- (5) NTU = nephelometric turbidity unit
- "--" means not measured

A P P E N D I X B

ENVIRON Protocol: Water Level, Well Depth, and Separate-Phase Hydrocarbon Measurements

PROTOCOL

**WATER LEVEL, WELL DEPTH, AND
SEPARATE-PHASE HYDROCARBON MEASUREMENTS**

1.0 INTRODUCTION

This protocol describes the procedures to be followed during water level, well depth, and separate-phase hydrocarbon (SPH) measurements. The procedures presented herein are intended to be of general use and may be supplemented by a work plan and/or health and safety plan. As the work progresses, and if warranted, appropriate revisions may be made by the project manager. Detailed procedures in this protocol may be superseded by applicable regulatory requirements.

2.0 WATER LEVEL AND WELL DEPTH MEASUREMENTS

A FIELD INVESTIGATION DAILY LOG will be completed for each day of fieldwork. Water levels will be recorded on a WATER LEVEL MEASUREMENT LOG and/or WATER PURGING AND SAMPLING LOG. Following review by the project manager, the original records will be kept in the project files.

Water level measurements at a site will be taken as quickly as practically possible, to best represent the potentiometric surface across the site at a single time. If pressure is suspected or if pressure has developed inside the well casing, the well will be allowed to stand without a cap for a few minutes until the water level stabilizes before taking a water level measurement. Water level measurements will be recorded to the nearest hundredth (0.01) of a foot, and well depth measurements will be noted to at least the nearest half (0.5) of a foot. Equipment placed in the wells for water level and well depth measurements will be cleaned prior to use and reuse, as discussed in Section 4.0. Care will be taken not to drop foreign objects into the wells and not to allow the tape or sounding device to touch the ground during monitoring.

2.1 WATER LEVEL MEASUREMENTS

Water level measurements will be performed by one of the following methods:

A. Electric Sounder Method

An electric sounder consists of a contact electrode suspended by an insulated electric cable from a reel that has an ammeter, a buzzer, a light, or other closed circuit indicator attached. The indicator shows a closed circuit and flow of current when the electrode touches the water surface. Electric sounders will be calibrated periodically by measuring each interval and remarking them where necessary.

The procedure for measuring water levels with an electric sounder is as follows:

1. Turn sounder on and check that its indicator is working.
2. Lower the electric sounder cable into the well until the ammeter or buzzer indicates a closed circuit. Raise and lower the electric cable slightly until the shortest length of cable that gives the maximum response on the indicator is found.
3. With the cable in this fixed position, note the length of cable at the top of well casing.
4. If the electric cable is not graduated between foot markings, use a pocket steel tape measure (graduated in hundredths of a foot) to interpolate between consecutive marks. Care must be taken to ensure that the tape measurements are subtracted from the graduated mark footage value when the water level hold point (determined in Step 3) is below the graduated mark and added when it is above the mark. Record the resulting value as depth to ground water on the WATER LEVEL MEASUREMENT LOG and/or WATER PURGING AND SAMPLING LOG.

2.2 WELL DEPTH MEASUREMENTS

The depth of a well will be measured by sounding with either a weighted steel surveying tape or a weighted electric sounding line. Procedures to be followed are described below.

1. Measure the distance between the zero mark on the end of the measuring line and the bottom of the weight.
2. Lower the weighted measuring line into the well until the line becomes slack or there is a noticeable decrease in weight, which indicates that the line is touching the bottom of the well. Raise the line slowly until it becomes taut (this may have to be done several times to determine the taut point) and, with the line in this fixed position, note the reading at the top of well casing. Add the distance described in Step A to this reading, and record the resulting value as well depth. This procedure will be performed before and after initial well development or as necessary to determine well casing depth.
3. Record the well depth value on the WATER LEVEL MEASUREMENT LOG and/or WATER PURGING AND SAMPLING LOG.

3.0 SEPARATE-PHASE HYDROCARBON (SPH) MEASUREMENTS

SPH level/thickness will be measured using an interface probe or steel tape and paste. The electric sounder and bailer method is limited to checking the wells for the presence or absence of SPH. Procedural details are provided below.

All SPH level measurements shall be recorded to the nearest hundredth of a foot (0.01-foot). Equipment placed in the wells for floating product level measurement will be cleaned prior to use and reuse, as discussed in Section 4.0. Care will be taken not to drop foreign objects into the wells and not to allow the tape or measuring device to touch the ground during monitoring.

3.1 INTERFACE PROBE METHOD

The SPH-water interface probe consists of an electrode suspended by a graduated tape from a reel that has a light and two-toned audible signals. Audible and visual signals occur when the electrode touches the SPH surface and then the water surface.

The procedure for measuring SPH levels using the interface probe is as follows:

1. Turn the interface meter on, and check that it is working.
2. Lower the interface meter into the well slowly until the meter signals an interface. Note if the interface is oil or water.
3. Raise and lower the meter slightly until the shortest length of cable that gives the maximum response on the meter is found.
4. With the cable in this fixed position, note the length of cable at the top of well casing.
5. If the interface recorded above was oil, slowly lower the meter until a water interface signal is given.
6. Repeat steps 3 and 4 above, recording the depth to water and depth to free product on the WATER LEVEL MEASUREMENT LOG.
7. Turn the probe off and store in a case after cleaning.

3.2 ELECTRIC SOUNDER AND BAILER METHOD

The procedure for checking present of SPH using an electric sounder and an acrylic bailer is as follows:

1. Measure the water level with the electric sounder as described in Section 2.1.

2. Suspend a clean acrylic bailer on a clean line and slowly lower the bailer into the well until it partially intersects the groundwater surface.
3. Slowly pull the bailer to the surface.
4. Let the bailer stand for several minutes.
5. Observe the surface of the water within the bailer. Measure the thickness of the SPH in the bailer to the nearest 0.01-foot and record the value on the WATER LEVEL MEASUREMENT LOG. If the SPH is less than 0.01 foot thick, the amount should be recorded as less than 0.01 foot. If sheen is observed or if no SPH is observed, these observations should be recorded.

4.0 EQUIPMENT CLEANING

Steel tapes, electric well sounders, and acrylic bailers will be cleaned after measurements in each well. Cleaning procedures will be as follows:

1. Wipe visible product from equipment with disposable towels. Rinse probe or portion of instrument that was immersed in well water with a solution of laboratory-grade alconox detergent and deionized water.
2. Rinse with deionized water.
3. Dry with a clean paper towel.
4. The interface probe may also be cleaned with acetone at this stage.

Decontamination and cleaning rinsate will be collected and stored on site for future disposal by the client, unless other arrangements have been made.

Attachments: Field Investigation Daily Log
Water Purging and Sampling Log
Water Level Measurement Log

PROJECT NAME: _____ FIELD PERSON: _____

PROJECT NUMBER: _____ PROJECT MANAGER: _____

PROJECT LOCATION: _____ DATE: _____

DAILY SUMMARY: _____

WEATHER CONDITIONS: _____

VISITORS/SUBCONTRACTORS: _____

[illegible]

Prepared By (name/signature): _____ Date: _____

Reviewed By (name/signature): _____ Date: _____

FIELD PERSON: _____

PROJECT MANAGER:

DATE: _____

PURGING/SAMPLING METHOD:		WELL NUMBER: CASING RADIUS: _____ (in.) TOTAL DEPTH (TD): _____ (ft.) DEPTH TO WATER (DTW): _____ (ft.) CASING VOLUME: _____ (gal.) $(TD - DTW)(CR)^2(.163) =$ _____ WELL VOLUMES: _____ (gal.)
EQUIPMENT CLEANING METHOD:		
PURGE WATER DISPOSAL:		
GALLONS PURGED:	CASING VOLUMES:	

PURGE START TIME:	PURGE RATE (GPM):
-------------------	-------------------

[illegible]

PURGE STOP TIME:	FINAL DTW:	@
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LAB NAME:	SAMPLE ID:
-----------	------------

OBSERVATIONS/COMMENTS:	

WATER LEVEL MEASUREMENT LOG

[illegible]

A P P E N D I X C

ENVIRON Protocol: Sampling of Groundwater Monitoring Wells

PROTOCOL

SAMPLING OF GROUNDWATER MONITORING WELLS

1.0 INTRODUCTION

This protocol describes the procedures to be followed during sampling of groundwater monitoring wells for laboratory chemical analysis. The laboratory must be California State-Certified by the appropriate regulating agency for the analyses to be performed.

The procedures presented herein are intended to be of general use and may be supplemented by a work plan and/or health and safety plan. As the work progresses, and if warranted, appropriate revisions may be made by the project manager. Detailed procedures in this protocol may be superseded by applicable regulatory requirements.

2.0 SAMPLING

2.1 SAMPLE COLLECTION

A. Monitoring Wells

Methods for purging and sampling monitoring wells with dedicated and non-dedicated equipment are described in this section. When possible, the purging and sampling techniques adopted for a given site will remain consistent from one sampling event to the next.

A.1 Purging Monitoring Wells

A submersible pump, diaphragm pump, positive displacement pump (which may contain a bladder), or a bailer will be used for evacuating (purging) the monitoring well casing. If the well is to be sampled using equipment that must be separately introduced into the well, the purge intake will be located near the top of the water column for removal of at least one casing volume of water to remove stagnant water above the screened interval in the well casing. The pump may then be moved to the mid-screen interval to complete the purging progress. If a bailer is used to purge the monitoring well, it will be gently lowered into the well to reduce the potential for aeration of water. Purging will progress at a rate intended to minimize differential drawdown between the interior of the well screen and the filter material to limit cascading water along the inside of the well casing. Procedures for purging slowly recharging wells are discussed in Section A.3.

Purged water will be collected and stored on site in 55-gallon drums or Baker Tanks for future disposal by the client, unless other arrangements have been made.

A minimum of four well casing volumes will be removed prior to collection of groundwater

samples. If the well goes dry before four casing volumes are removed, the procedure discussed in Section A.3 will be followed. The casing volume for each well is calculated using the following formulae:

$$CV = (TD-DTW)(CR)^2(.163)$$

Where:

CV = Casing Volume in Gallons

TD = Total Depth of Well (measured or previously recorded) in Feet

DTW = Depth to Water measured in Feet

CR = Casing Radius measured in Inches

$0.163 = \pi \times 7.48 \text{ gallons/feet}^3 \times (1 \text{ foot}^2 / 144 \text{ inches}^2)$

Observations of turbidity and measurements of temperature, pH, and specific electrical conductance (SEC) will be made with field equipment during purging to assess whether the groundwater samples are representative of the target zone. Readings will be recorded on the WELL PURGING AND SAMPLING LOG approximately every half casing volume removed. Samples will be collected after four casing volumes have been removed from the well and the temperature, pH, SEC, and turbidity have stabilized to readings within 10%.

A.2 Sampling Monitoring Wells

The sampler will wear clean gloves appropriate for the chemicals of concern while collecting the sample. Samples will be collected in laboratory-prepared bottles directly from the sampling device.

In general, each sampling event will begin with the well with the least suspected concentrations of target compounds. Successive wells will be sampled in sequence of increasing suspected contamination concentration.

A Teflon® bailer, new disposable bailer, stainless steel positive displacement Teflon® bladder pump with Teflon® tubing, or a clean electric submersible pump with low-flow sampling capacity will be used to collect the water samples for laboratory chemical analysis.

If a bailer is being used to collect the sample, it will be gently lowered into the well below the point where the purge device was located. Samples will be collected in the following order: (1) volatile organic compounds; (2) semi-volatile organic compounds; (3) metals; and (4) other analytes.

If a bladder pump or electric submersible pump is being used to sample the well for volatile compounds, the flow rate will be adjusted to either 1) approximately 100 milliliters per minute; or 2) a rate specifically selected for the well based on groundwater flow rates and well hydraulic conditions (usually five to ten gallons per minute). This rate will be maintained until the discharge line has been purged and the sample collected.

A.3 Purging and Sampling Wells with Slow Recharge

Wells that recharge very slowly will be purged dry once, allowed to recharge, and then sampled as soon as sufficient water is available. In this case, at least two sets of field parameters will be taken, one during purging and one after recharge.

A WATER PURGING AND SAMPLING LOG will be used to record the following information:

- Sample I.D.
- Duplicate I.D., if applicable
- Date and time sampled
- Name of sample collector
- Well designation (State well numbering system for water supply wells, and unique sequential number for other wells)
- Well diameter
- Depth to water on day sampled
- Casing volume on day sampled
- Method of purging (bailing, pumping, etc.)
- Amount of water purged
- Extraordinary circumstances (if any)
- Results of instrument calibration/standardization and field measurements (temperature, pH, specific electrical conductance, and turbidity)
- Number and type of sample container(s)
- Purging pump intake depth
- Times and volumes corresponding to water quality measurements
- Purge rate

2.2 SAMPLE CONTAINERS AND PRESERVATION

Appropriate pre-cleaned sample containers and preservatives for the analyses to be performed will be obtained from the subcontracted analytical laboratory. Frequently requested analyses and sample handling requirements are listed in Table 1.

2.3 SAMPLE LABELING

Sample containers will be labeled before or immediately after sampling with self-adhesive tags with the information written in waterproof ink:

- Company name
- Project name
- Project number
- Sample I.D. number
- Date and time sample was collected
- Preservative (if any)
- Initials of sample collector

2.4 FIELD QUALITY CONTROL SAMPLES

In order to evaluate the precision and accuracy of analytical data, quality control samples will be prepared as described below. These samples will be collected, or prepared and analyzed by the laboratory, as specified below.

A. Trip Blanks

A trip blank consists of contaminant-free water in the appropriate sample container with preservative, if required. These samples are generated by the container preparer at the laboratory, transported to the field along with the empty sample containers, kept with the sample containers continually, and returned to the laboratory without being opened.

Each trip blank will be analyzed only for volatile organic compounds by EPA Method 8260b. Frequency of analysis will be a minimum of one per day when volatile organic parameters are sampled and tested in the well samples.

B. Duplicates

A duplicate sample is collected at the near-identical time and location of the primary sample. The procedures for obtaining the duplicate are identical to its original; the same container type, preservative, and sampling technique are used. Each of the two samples is labeled with a discrete sample number (i.e. the duplicate sample is submitted to the laboratory blind). Immediately after each primary well sample bottle is filled, a duplicate sample bottle for the sample analysis is filled. This procedure continues until all primary and duplicate sample bottles are filled. Duplicate samples will be collected from wells with moderate to high levels of contamination.

Each duplicate sample is analyzed for the same set of parameters as specified for the primary sample. The frequency of duplicate sample collection will be 20%, or two per sampling event.

C. Equipment Rinsate Blanks

Equipment rinsate blanks are used to confirm that the sample bottles and the sampling procedures are not introducing contamination into the samples. Equipment rinsate

blanks are collected only at wells that are sampled using non-dedicated sampling equipment. After decontamination of the sample pump or bailer, and prior to its use, deionized water is poured into and through the pump or bailer, and then collected into prepared sample bottles.

Equipment rinsate blanks are analyzed for all parameters specified for groundwater samples collected at that well and are assigned a unique sample number (i.e. they are submitted to the laboratory blind). The frequency of equipment rinsate blanks is one per well, provided that non-dedicated sampling equipment is used at that well.

D. Ambient Air Blanks

Ambient air blanks are used to confirm that the ambient air at the sampling site is not introducing contamination into the samples. Sometime during well sampling and purging at each well site or well cluster, deionized water is poured into laboratory prepared sample bottles, which are then sealed and assigned a unique sample number (i.e. they are submitted to the laboratory blind). The frequency of ambient air blanks is one for each well site (i.e. one ambient air blank is collected at each well cluster or well area).

Ambient air blanks are analyzed only for volatile organic compounds by EPA Method 8260b.

E. Temperature Blanks

A temperature blank consists of contaminant-free water in the appropriate sample container. These blanks are generated by the container preparer at the laboratory, transported to the field along with the sample containers, kept with the sample containers continually, and returned to the laboratory without being opened. The frequency of temperature blanks is one per shipping container.

Each temperature blank is analyzed for temperature upon arrival at the laboratory. The temperature of the samples upon receipt at the laboratory is recorded on the CHAIN-OF-CUSTODY.

2.5 HANDLING, STORAGE, AND TRANSPORTATION

Every effort will be made to handle, store, and transport supplies and samples safely to and from the site. Exposure to dust, direct sunlight, extreme temperatures, adverse weather conditions, and possible contamination will be avoided. Immediately following collection, samples will be placed in a clean chest that contains ice or blue ice (if cooling is required), and will be transported to the subcontracted laboratory as soon as practical within 24 hours of sampling, or as specified by the project manager.

3.0 FIELD MEASUREMENTS

Field measurements of temperature, pH, SEC, and conductivity will be performed on aliquots of groundwater that will not be submitted for laboratory analysis. Field water quality measurements and instrument calibration details will be recorded on the WELL PURGING AND SAMPLING LOG. Calibration solutions will be fresh as indicated by their preparation dates and manufacturer's suggested use. A minimum of four sets of field parameters will be recorded, approximately one for each half-casing volume of groundwater purged.

3.1 TEMPERATURE

Temperature measurements will be made with a mercury-filled thermometer or an electronic thermometer, and all measurements will be recorded in degrees Celsius.

3.2 pH

The pH measurement will be made as soon as possible after collection of the sample and will be measured by immersing the pH probe into an aliquot of groundwater.

The pH meter will be calibrated prior to sampling each day, in accordance with the equipment manufacturer's specifications, as outlined in the instruction manual for the specific pH meter used. Two buffers, pH-4 and pH-7, will be used for instrument calibration.

3.3 SPECIFIC ELECTRICAL CONDUCTANCE

SEC will be measured by immersing the conductivity probe into an aliquot of groundwater. The probes used will automatically compensate, or be adjusted to compensate, for the temperature of the sample. Measurements will be reported in units of micro-Siemens (μS) per square centimeter (equivalent to micromhos or μmhos) at 25 degrees Celsius.

The SEC meter will be calibrated prior to sampling each day in accordance with the equipment manufacturer's specifications, as outlined in the instruction manual for the SEC meter used. The SEC meter will be calibrated with the appropriate standardized potassium chloride (KCl) solution that is closest to the SEC expected in groundwater at the site.

3.4 TURBIDITY

Turbidity will be measured by immersing the turbidity probe into an aliquot of groundwater. Measurements will be measured on a turbidity scale with zero being clear. The turbidity meter will be calibrated at the beginning of each sampling day in accordance with the equipment manufacturer's specifications, as outlined in the instruction manual for the turbidity meter used.

4.0 DOCUMENTATION

4.1 FIELD DATA SHEETS

A FIELD INVESTIGATION DAILY LOG will be completed for each day of fieldwork. A WATER PURGING AND SAMPLING LOG form will be used at each well to record the information collected during water quality sampling. Sample numbers may also be recorded on the FIELD INVESTIGATION DAILY LOG as a means of identifying and tracking the samples. Following review by the project manager, the original records will be kept in the project file.

4.2 CHAIN-OF-CUSTODY PROCEDURES

Samples will be collected, handled, and shipped in accordance with chain-of-custody procedures. These procedures document the transfer of custody of samples from the field to the laboratory. Each sample sent to the laboratory for analysis will be recorded on a CHAIN-OF-CUSTODY, which will include instructions to the laboratory for analytical services and special turnaround times.

Information contained on the triplicate CHAIN-OF-CUSTODY RECORD will include:

- Project name
- Project number
- Signature of sampler(s)
- Date and time sampled
- Sample I.D.
- Number of sample containers
- Sample matrix (water)
- Analyses required
- Remarks, including preservatives, special conditions, or specific quality control measures
- Turnaround time and person to receive laboratory report
- Release signature of sampler(s), and signatures of all people assuming custody.
- Condition of samples, including temperature, when received by laboratory

Blank spaces on the CHAIN-OF-CUSTODY will be crossed out and initialed by the sampler between the last sample listed and the signatures at the bottom of the sheet.

The field sampler will sign the CHAIN-OF-CUSTODY and will record the time and date at the time of transfer to the laboratory or to an intermediate person. A set of signatures is required for each relinquished/reserved transfer, including internal transfer. The original imprint of the chain-of-custody record will accompany the sample containers. A duplicate copy will be placed in the project file.

If the samples are to be shipped to the laboratory, the original CHAIN-OF-CUSTODY will be sealed

inside a plastic bag within the ice chest, and the chest will be sealed with custody tape that has been signed and dated by the last person listed on the chain-of-custody. U.S. Department of Transportation shipping requirements will be followed and the sample shipping receipt will be retained in the project files as part of the permanent chain-of-custody document. The shipping company (e.g., Federal Express, UPS) will not sign the chain-of-custody forms as a receiver; instead the laboratory will sign as a receiver when the samples are received.

5.0 DECONTAMINATION PROCEDURES

Bailers, sampling pumps, purge pumps, and other non-dedicated purging or sampling apparatus will be cleaned prior to and after sampling each well. Factory new and sealed disposable bailers may be used for sampling, but may not be reused. Thermometers, pH electrodes, SEC, and turbidity probes that will be used repeatedly will be cleaned before and after sampling each well and at any time during sampling if the probe comes in contact with foreign matter.

Decontamination solutions resulting from purging or cleaning of sampling equipment will be collected and stored on site in 55-gallon drums or Baker Tanks for future disposal by the client, unless other arrangements have been made.

Cleaning of reusable equipment that is not dedicated to a particular well will consist of the following:

- Bailers - the inside and outside of bailers will be cleaned in a solution of laboratory-gradealconox detergent and deionized water, followed by a rinse with deionized water. They may also be steam-cleaned, followed by a DI water rinse. If samples are to be collected for metals analysis, the Teflon[®] bailer may be rinsed with a pH2 nitric acid solution followed by a double deionized water rinse.
- Purge Pumps - All downhole, reusable portions of purge pumps will be steam-cleaned on the outside. If the pump does not have a backflow check valve, the inside of the pump and tubing also should be steam-cleaned. For a purge pump with a backflow check valve, the interior of the pump and tubing may be cleaned by taking the pump apart and cleaning all of the parts with laboratory-gradealconox detergent and deionized water solution, followed by a deionized water rinse, or by steam-cleaning.
- Water Quality Meters - All meters will be cleaned by rinsing the probe portions in DI water, and allowing to air dry.

Sample bottles and bottle caps will be cleaned by the subcontracted laboratory using standard EPA-approved protocols. Sample bottles and bottle caps will be protected from contact with solvents, dust, or other contamination. Sample bottles will not be reused.

6.0 REFERENCES

Barcelona, M.J., et al., 1994, Reproducible Well-Purging Procedures and VOC Stabilization Criteria for Ground-Water Sampling: *Groundwater*, January-February.

Attachments: Field Investigation Daily Log
Water Purging and Sampling Log
Well Development Form
Chain-of-Custody

PROJECT NAME: _____ FIELD PERSON: _____

PROJECT NUMBER: _____ PROJECT MANAGER: _____

PROJECT LOCATION: _____ DATE: _____

DAILY SUMMARY: _____

WEATHER CONDITIONS: _____

VISITORS/SUBCONTRACTORS: _____

[illegible]

Prepared By (name/signature): _____ Date: _____

Reviewed By (name/signature): _____ Date: _____

FIELD PERSON: _____

PROJECT MANAGER:

DATE: _____

PURGING/SAMPLING METHOD:		WELL NUMBER: CASING RADIUS: _____ (in.) TOTAL DEPTH (TD): _____ (ft.) DEPTH TO WATER (DTW): _____ (ft.) CASING VOLUME: _____ (gal.) $(TD - DTW)(CR)^2(.163) =$ _____ WELL VOLUMES: _____ (gal.)
EQUIPMENT CLEANING METHOD:		
PURGE WATER DISPOSAL:		
GALLONS PURGED:	CASING VOLUMES:	

PURGE START TIME:	PURGE RATE (GPM):
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[illegible]

PURGE STOP TIME:	FINAL DTW:	@
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LAB NAME:	SAMPLE ID:
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OBSERVATIONS/COMMENTS:	

2010 Main St., Suite 900, Irvine, California 92614
(949) 261-5151
(949) 261-6202 (FAX)

METHOD(S)	PUMP	BAILER	SURGE BLOCK
TYPE	_____	_____	_____
MATERIAL	_____	_____	_____
DIMENSION	_____	_____	_____
OTHER	_____	_____	_____

WELL NO.

PREPARED BY	
-------------	--

DEVELOPMENT CRITERIA

DECONTAMINATION METHOD

CASING VOLUME CALCULATION (USE CONSISTENT UNITS)

CASING VOLUME = $V_C = \pi \left(\frac{d_w}{2} \right)^2$ (TD-H) = _____

FIELD EQUIPMENT CALIBRATIONS

STANDARD/ACTUAL

HOLE DIAMETER $d_h =$ _____

WELL CASING

INSIDE DIAMETER $d_w =$ _____

CASING STICKUP SU= _____

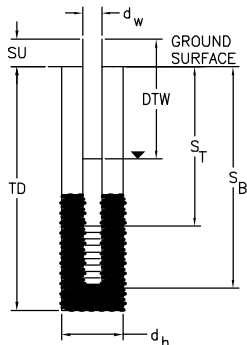
DEPTH TO:

WELL LEVEL DTW= _____

TOP SCREEN SU+S_T = _____

BASE SCREEN SU+S_g = _____

BOTTOM WELL SU+TD= _____



DEVELOPMENT LOG:

CUMULATIVE
TOTAL REMOVED

WATER CHARACTER

COMMENTS:

[illegible]

CHAIN-of-CUSTODY

PROJECT NAME: _____ FIELD PERSON: _____

PROJECT NUMBER: _____ PROJECT MANAGER: _____

PROJECT LOCATION: _____ DATE: _____

SAMPLER:	YEAR						ANALYSIS REQUIRED										COMMENTS
SIGNATURE:	SAMPLE DATE	SAMPLE TIME	MATRIX (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)											
SAMPLE I.D. NUMBER																	
TOTAL		X	X	X													

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	TURNAROUND TIME (CIRCLE ONE)	SAMEDAY	72 HOURS
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:		24 HOURS	5 DAYS
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:		48 HOURS	NORMAL
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	SAMPLE INTEGRITY		
		(COMPANY):		INTACT	ON ICE	

H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER

APPENDIX D

Analytical Laboratory Reports

Note: Analytical laboratory reports are provided in electronic format
in the CD-ROM copy of the Charnock Quarterly
Groundwater Monitoring Report,
Third Quarter 2006