ConocoPhillips

76 Broadway
Sacramento, California 95818

RECEIVED
By lopprojectop at 2:10 pm, May 04, 2006

April 28, 2006

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Report Transmittal**
Quarterly Report
First Quarter – 2006
76 Service Station# 3538
411 W. MacArthur Boulevard
Oakland, CA

Dear Mr. Hwang:

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please contact

Shelby S. Lathrop (Contractor)
ConocoPhillips
Risk Management & Remediation
76 Broadway
Sacramento, CA 95818
Phone: 916-558-7609
Fax: 916-558-7639

Sincerely,

Thomas H. Kosel

Thomas Kosel
Risk Management & Remediation

Attachment

TRC
Customer-Focused Solutions

April 28, 2006 TRC Project No. 42014209

Mr. Don Hwang
Hazardous Materials Specialist
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

RE: Quarterly Status Report - First Quarter 2006
76 Service Station #3538
411 W. MacArthur Boulevard, Oakland, California
Alameda County

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the First Quarter 2006 Status Report for the subject site, a former Tosco (76) service station located on the southwest corner of MacArthur Boulevard and Webster Street in Oakland, California. The site is currently a used car sales lot and is entirely fenced. All petroleum storage and dispensing equipment were removed in September of 1998 during station demolition activities. Six groundwater-monitoring wells are present at and in the site vicinity.

PREVIOUS ASSESSMENTS

July 1989: One 10,000-gallon and one 12,000-gallon gasoline underground storage tanks (USTs) were removed and replaced with two new 12,000-gallon USTs. One 550-gallon waste oil UST and associated piping for all three tanks were also removed. No holes or cracks were observed in the gasoline USTs; however, holes were observed in the waste oil UST. Groundwater was encountered in the former UST pit at a depth of approximately 10.5 feet below ground surface (bgs), which prohibited the collection of soil samples below the former gasoline tanks. Confirmation soil samples from the sidewalls contained moderate maximum concentrations of total petroleum hydrocarbons as gasoline (TPH-g), and low maximum concentrations of benzene. These sample areas were subsequently removed during overexcavation. Soil samples from the base of the waste oil UST pit were non-detect for TPH-g and benzene, toluene, ethylbenzene, and xylenes (BTEX).

September 1989: Karpealian Engineering, Inc. (KEI) installed four groundwater monitoring wells at the site. The four wells were installed to depths of approximately 30 feet bgs.

November 1992: Two additional groundwater monitoring wells were installed offsite to a depth of 30 feet bgs.

1590 Solano Way, Suite A • Concord, California 94520
Telephone 925-688-1200 • Fax 925-688-0388

September 1998: Two 12,000-gallon gasoline USTs and associated product piping and dispensers were removed from the site during station demolition activities. No holes or cracks were observed in the tanks. Confirmation soil samples contained low maximum concentrations of TPH-g and benzene, and methyl tertiary butyl ether (MTBE) was not detected.

October 2003: Site environmental consulting responsibilities were transferred to TRC.

March 27 and 28, 2006: TRC conducted additional soil and groundwater assessment at the Site. The investigation involved the advancement of three onsite soil boring (SB-3, SB-4, and SB5) and two offsite soil borings (SB-1 and SB-2) to sufficient depth to obtain representative groundwater samples (approximately 16 feet bgs)

SENSITIVE RECEPTORS

A sensitive receptor survey conducted at the site. According to the California Department of Water Resources (DWR) records, no water supply wells located within 2,000 feet of the site. The nearest well identified was a private water well located approximately 2,500 feet east-southeast of the site.

MONITORING AND SAMPLING

Currently, the two onsite monitoring wells MW-2 and MW-3 are monitored semi-annually and the remaining four wells are monitored annually. Four wells were gauged and two wells were sampled this quarter. The groundwater gradient flow direction is toward the southwest at a calculated hydraulic gradient of 0.01 feet per foot. A graph of historical groundwater flow directions is included in this report.

CHARACTERIZATION STATUS

TPH-g was detected in one of two wells sampled at a concentration of 54 micrograms per liter (µg/l) in onsite well MW-3. Benzene was detected in one of two wells sampled at a concentration of 3.6 µg/l in onsite well MW-2. MTBE was detected in all two of monitoring wells sampled at a maximum concentration of 63 µg/l in onsite well MW-3. Currently, the dissolved-phase plume is not defined to the south-southeast.

REMEDIATION STATUS

October 1998: A total of 516.44 tons (approximately 380 cubic yards) of soil generated during station demolition was transported from the site to Forward Landfill in Manteca, California for disposal.

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

December 15, 2005: The Alameda County Health Care Services (ACHCS) approved the September 14, 2005 Additional Soil and Groundwater Investigation Work Plan with a Technical Report Request date of January 15, 2006.

December 19, 2005: TRC requested an extension, via email, from the ACHCS for submittal of Soil and Groundwater Investigation Report. The original submittal deadline of January 15, 2005 requested in the December 15, 2005 approval letter did not allow sufficient time to implement the approved scope of work.

January 26, 2006: TRC requested, via electronic mail, a response to the December 19, 2005 request or extension for submittal of the Additional Soil and Groundwater Investigation Report. The ACHCS responded to our request and proposed TRC chose an appropriate due date for the report submittal.

February 21, 2006: TRC proposed, via electronic mail, an April 28, 2006 due date for submittal of the Additional Soil and Groundwater Investigation Report. The ACHCS concurred with TRC's proposed due date.

April 28, 2006: TRC submitted (electronically) the Additional Soil and Groundwater Investigation Report documenting the results of the March 27 - 28, 2006 investigation.

CURRENT QUARTER ACTIVITIES

March 23, 2006: TRC performed groundwater monitoring and sampling this quarter. Wastewater generated from well purging and equipment cleaning was stored at TRC's groundwater monitoring facility in Concord, California, and transported by Onyx to the ConocoPhillips Refinery in Rodeo, California, for treatment and disposal.

March 27 – 28, 2006: TRC implemented the approved scope of work outline in the September 14, 2005 Additional Soil and Groundwater Investigation Work Plan

CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the additional soil and groundwater investigation, TRC recommends installation of two offsite monitoring well along the east and west side of Webster Street in the vicinity and slightly downgradient of boring SB-1 to monitor the current dissolved-phase plume and to provide a monitoring point for evaluating plume stability.

TRC will also prepare a Site Conceptual Model (SCM), per Alameda County guidance for electronic report submittal, to summarize site conditions and evaluate path forward. TRC will include a work plan for the offsite well installation as an attachment to the electronic SCM.

Based on information presented in the upcoming SCM, and on subsequent groundwater monitoring data from the proposed offsite wells, TRC may recommend site closure after several quarters of monitoring if the plume appears stable and remains defined within the monitoring well network.

If you have any questions regarding this report, please call me at (925) 688-2488.

Sincerely,
TRC

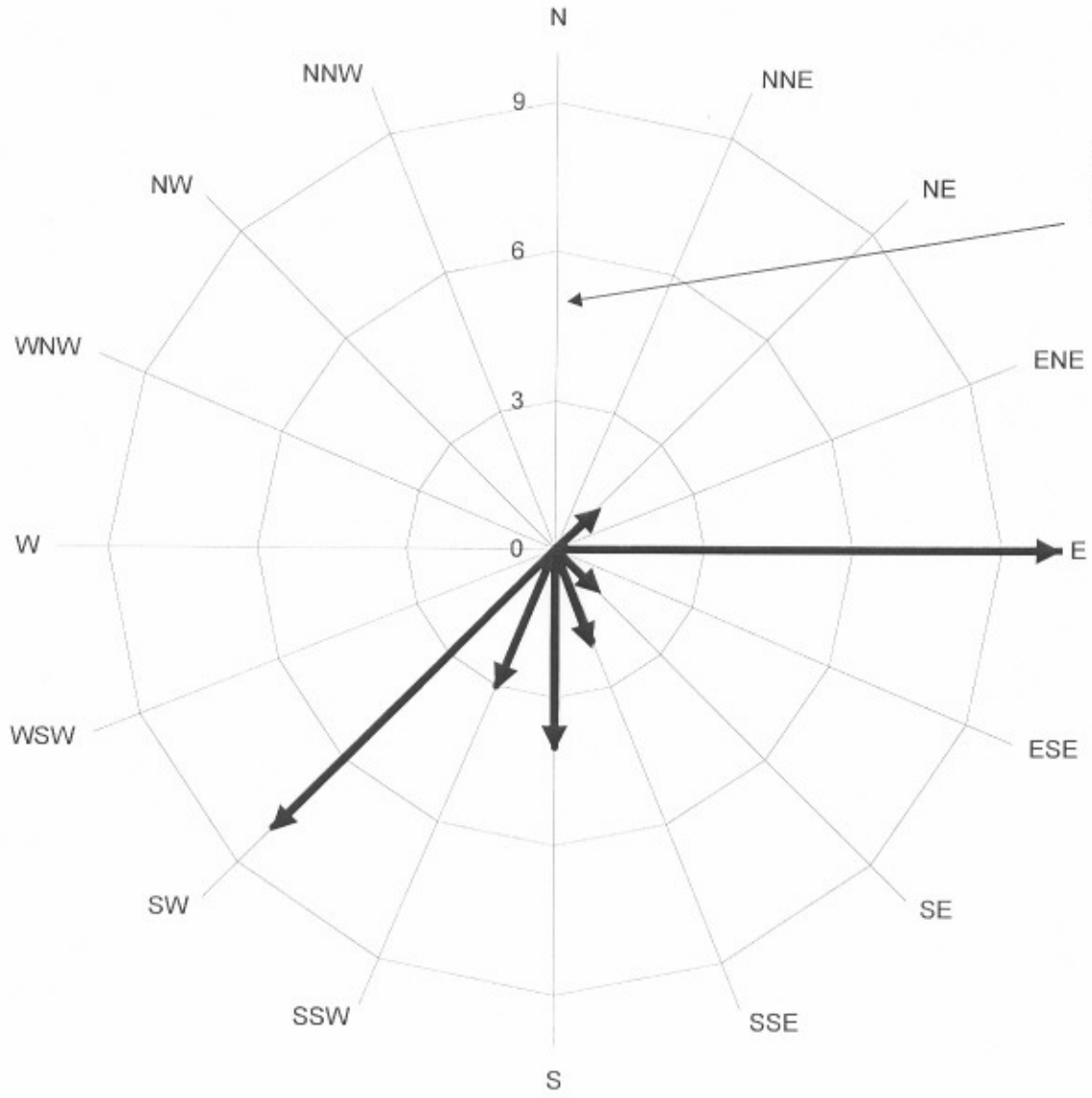
Keith Woodburne, P.G.
Senior Project Geologist

Attachments:
Semi-Annual Monitoring Report, October 2005 through March 2006 (TRC, April 17, 2006)
Historical Groundwater Flow Directions – February 1990 through March 2006

cc: Shelby Lathrop, ConocoPhillips (electronic upload only)

Historical Groundwater Flow Directions for Tosco (76) Service Station No. 3538

February 1990 through March 2006



TRC

FIGURE 5

TRC

April 17, 2006

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MS. SHELBY LATHROP

SITE: FORMER 76 STATION 3538
411 WEST MACARTHUR BLVD.
OAKLAND, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT
OCTOBER 2005 THROUGH MARCH 2006

Dear Mr. Kosel:

Please find enclosed our Semi-Annual Monitoring Report for Former 76 Station 3538, located at 411 West MacArthur Blvd, Oakland, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

CC: Mr. Keith Woodburne, TRC (2 copies)

Enclosures
20-0400/3538R05.QMS

21 Technology Drive • Irvine, California 92618
Main: 949-727-9336 • Fax: 949-727-7399
www.trcsolutions.com

TRC

SEMI-ANNUAL MONITORING REPORT
OCTOBER 2005 THROUGH MARCH 2006

FORMER 76 STATION 3538
411 West MacArthur Blvd.
Oakland, California

Prepared For:

Ms. Shelby Lathrop
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:

Senior Project Geologist, Irvine Operations
April 15, 2006

21 Technology Drive • Irvine, California 92618
Main: 949-727-9336 • Fax: 949-727-7399
www.trcsolutions.com

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a: Additional Historic Analytical Results Table 2b: Additional Historic Analytical Results Table 2c: Additional Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheets – 3/23, 3/28/06 Groundwater Sampling Field Notes – 3/23/06 Statement of Non-Completion – 3/23/06
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
October 2005 through March 2006
Former 76 Station 3538
411 West MacArthur Blvd.
Oakland, CA

Project Coordinator: **Shelby Lathrop**
Telephone: **916-588-7609**
Water Sampling Contractor: ***TRC***
Compiled by: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **03/23/06**

Sample Points

Groundwater wells: **4** onsite, **2** offsite Wells gauged: **4** Wells sampled: **2**
Purging method: **Diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **16.37 feet** Maximum: **16.74 feet**
Average groundwater elevation (relative to available local datum): **54.75 feet**
Average change in groundwater elevation since previous event: **0.33 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.01 ft/ft, southwest**
Previous event: **0.03 ft/ft, southwest (09/30/05)**

Selected Laboratory Results

Wells with detected **Benzene:** **1** Wells above MCL (1.0 µg/l): **1**
Maximum reported benzene concentration: **3.6 µg/l (MW-2)**

Wells with **TPH-G**	**1**	Maximum: **54 µg/l (MW-3)**
Wells with **MTBE**	**2**	Maximum: **63 µg/l (MW-3)**

Notes:

MW-1=Inaccessible due to gate, Sampled Q3 only, MW-4=Inaccessible due to gate, Sampled Q3 only, MW-5=Sampled Q3 only, MW-6=Sampled Q3 only,

---

This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to re-survey.

REFERENCE

TRC began groundwater monitoring and sampling for Former 76 Station 3538 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Contents of Tables
Site: Former 76 Station 3538

Current Event

Table 1	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)			Comments	

Historic Data

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)			Comments	
Table 2a	Well/ Date	TPH-D	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Greese	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Carbon Tertra-chloride	Chloro-benzene	Chloro-ethane
Table 2b	Well/ Date	Chloroform	Chloro-methane	Dibromo-chloro-methane	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	Dichloro-difluoro-methane	1,1-DCA	1,1-DCE	cis- 1,2-DCE	trans- 1,2-DCE	1,2-Dichloro-propane	cis-1,3-Dichloro-propene	trans-1,3-Dichloro-propene	Methylene chloride
Table 2c	Well/ Date	1,1,2,2-Tetrachloro - ethane	Tetrachloro - ethene (PCE)	Trichloro-trifluoro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Trichloro-ethene (TCE)	Trichloro-fluoro-methane	Vinyl chloride							

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 23, 2006

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1													
03/23/06	72.12	--	--	--	--	--	--	--	--	--	--	--	Inaccessible due to gate, Sampled Q3 only
MW-2													
03/23/06	71.34	16.74	0.00	54.60	1.20	ND<50	3.6	ND<0.30	0.35	ND<0.60	2.5	--	
MW-3													
03/23/06	71.40	16.61	0.00	54.79	1.18	54	ND<0.30	0.41	ND<0.30	0.98	63	--	
MW-4													
03/23/06	71.54	--	--	--	--	--	--	--	--	--	--	--	Inaccessible due to gate, Sampled Q3 only
MW-5													
03/23/06	71.16	16.37	0.00	54.79	1.04	--	--	--	--	--	--	--	Sampled Q3 only
MW-6													
03/23/06	71.37	16.55	0.00	54.82	-2.10	--	--	--	--	--	--	--	Sampled Q3 only

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through March 2006

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1													
09/15/89	--	--	--	--	--	ND	ND	0.61	ND	ND	--	--	
01/23/90	--	--	--	--	--	ND	1.5	2.3	ND	4.3	--	--	
04/19/90	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
07/17/90	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
10/16/90	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
01/15/91	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
04/12/91	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
07/15/91	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
07/14/92	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
04/13/93	72.43	17.70	0.00	54.73	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/14/93	72.43	18.49	0.00	53.94	-0.79	ND	2.2	2.1	1.1	6.2	--	--	
10/14/93	72.10	18.32	0.00	53.78	-0.16	--	--	--	--	--	--	--	
01/12/94	72.10	18.18	0.00	53.92	0.14	--	--	--	--	--	--	--	
04/11/94	72.10	17.80	0.00	54.30	0.38	--	--	--	--	--	--	--	
07/07/94	72.10	18.28	0.00	53.82	-0.48	ND	ND	ND	ND	ND	--	--	
10/05/94	72.10	18.55	0.00	53.55	-0.27	--	--	--	--	--	--	--	
01/09/95	72.10	17.90	0.00	54.20	0.65	--	--	--	--	--	--	--	
04/17/95	72.10	17.22	0.00	54.88	0.68	--	--	--	--	--	--	--	
07/19/95	72.10	18.03	0.00	54.07	-0.81	ND	ND	ND	ND	ND	--	--	
10/26/95	72.10	18.67	0.00	53.43	-0.64	--	--	--	--	--	--	--	
01/16/96	72.10	17.20	0.00	54.90	1.47	--	--	--	--	--	--	--	
04/15/96	72.10	17.40	0.00	54.70	-0.20	--	--	--	--	--	--	--	
07/11/96	72.10	18.03	0.00	54.07	-0.63	ND	ND	ND	ND	ND	ND	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through March 2006

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1 continued													
01/17/97	72.10	16.54	0.00	55.56	1.49	--	--	--	--	--	--	--	
07/21/97	72.10	18.16	0.00	53.94	-1.62	ND	ND	ND	ND	ND	ND	--	
01/14/98	72.10	16.05	0.00	56.05	2.11	--	--	--	--	--	--	--	
07/06/98	72.10	16.46	0.00	55.64	-0.41	ND	ND	ND	ND	ND	ND	--	
01/13/99	72.10	17.37	0.00	54.73	-0.91	--	--	--	--	--	--	--	
08/31/99	72.12	17.00	0.00	55.12	0.39	ND	ND	ND	ND	ND	ND	--	
01/21/00	72.12	17.04	0.00	55.08	-0.04	--	--	--	--	--	--	--	
07/10/00	72.12	18.10	0.00	54.02	-1.06	ND	ND	ND	ND	ND	ND	--	
01/04/01	72.12	17.95	0.00	54.17	0.15	--	--	--	--	--	--	--	
07/16/01	72.12	18.03	0.00	54.09	-0.08	ND	ND	ND	ND	ND	ND	--	
01/28/02	72.12	17.31	0.00	54.81	0.72	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/12/02	72.12	18.15	0.00	53.97	-0.84	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
01/14/03	72.12	17.66	0.00	54.46	0.49	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/10/03	72.12	17.86	0.00	54.26	-0.20	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
02/04/04	72.12	17.43	0.00	54.69	0.43	--	--	--	--	--	--	--	Monitored Only
07/29/04	72.12	18.12	0.00	54.00	-0.69	ND<50	ND<0.3	0.38	ND<0.3	ND<0.6	ND<1	ND<0.5	
03/02/05	72.12	16.15	0.00	55.97	1.97	--	--	--	--	--	--	--	Sampled Annually
09/30/05	72.12	18.04	0.00	54.08	-1.89	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	
03/23/06	72.12	--	--	--	--	--	--	--	--	--	--	--	Inaccessible due to gate, Sampled Q3 only
MW-2													
09/15/89	--	--	--	--	--	290	ND	12	ND	ND	--	--	
01/23/90	--	--	--	--	--	400	73	36	10	40	--	--	
04/19/90	--	--	--	--	--	3900	550	5.1	91	390	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through March 2006

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-2 continued													
07/17/90	--	--	--	--	--	490	76	0.59	11	46	--	--	
10/16/90	--	--	--	--	--	1400	430	2.0	48	240	--	--	
01/15/91	--	--	--	--	--	680	170	0.7	19	81	--	--	
04/12/91	--	--	--	--	--	2200	160	4.3	23	62	--	--	
07/15/91	--	--	--	--	--	2200	770	12	72	370	--	--	
10/15/91	--	--	--	--	--	140	44	0.56	1.5	12	--	--	
01/15/92	--	--	--	--	--	220	37	0.52	1.1	7	--	--	
04/14/92	--	--	--	--	--	150	6.2	ND	ND	1.4	--	--	
07/14/92	--	--	--	--	--	130	3.7	ND	ND	ND	--	--	
10/12/92	--	--	--	--	--	370	3.4	0.56	ND	11	--	--	
01/08/93	--	--	--	--	--	510	ND	ND	ND	ND	--	--	
04/13/93	71.63	17.86	0.00	53.77	--	410	42	7.7	6.4	28	200	--	
07/14/93	71.63	18.38	0.00	53.25	-0.52	110	6.5	ND	ND	1.1	250	--	
10/14/93	71.38	18.20	0.00	53.18	-0.07	230	5.3	ND	ND	2.1	--	--	
01/12/94	71.38	18.08	0.00	53.30	0.12	300	7.8	3.8	1.8	10	--	--	
04/09/94	71.38	17.97	0.00	53.41	0.11	120	10	0.88	1.1	4.9	--	--	
04/11/94	71.38	17.88	0.00	53.50	0.09	--	--	--	--	--	--	--	
07/07/94	71.38	17.81	0.00	53.57	0.07	110	4.4	ND	ND	ND	--	--	
10/05/94	71.38	18.33	0.00	53.05	-0.52	720	20	ND	ND	3.1	--	--	
01/09/95	71.38	17.40	0.00	53.98	0.93	ND	ND	ND	ND	ND	--	--	
04/17/95	71.38	17.50	0.00	53.88	-0.10	93	5.6	0.62	1.7	5.5	--	--	
07/19/95	71.38	18.01	0.00	53.37	-0.51	77	32	0.58	1.7	4.1	--	--	
10/26/95	71.38	18.21	0.00	53.17	-0.20	54	13	ND	ND	0.72	220	--	
01/16/96	71.38	16.58	0.00	54.80	1.63	120	23	ND	ND	0.99	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through March 2006

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-2 continued													
04/15/96	71.38	17.61	0.00	53.77	-1.03	340	21	ND	2.2	3.7	45	--	
07/11/96	71.38	17.98	0.00	53.40	-0.37	540	34	ND	4.3	12	150	--	
01/17/97	71.38	17.08	0.00	54.30	0.90	320	63	2.4	9.4	26	260	--	
07/21/97	71.38	18.06	0.00	53.32	-0.98	160	13	ND	1.3	1.6	180	--	
01/14/98	71.38	16.52	0.00	54.86	1.54	66	6.3	ND	ND	0.98	100	--	
07/06/98	71.38	16.87	0.00	54.51	-0.35	ND	2.3	ND	ND	ND	11	--	
01/13/99	71.38	17.88	0.00	53.50	-1.01	53	24	ND	0.52	0.98	120	--	
08/31/99	71.34	18.45	0.00	52.89	-0.61	86	14	ND	0.63	ND	21	--	
01/21/00	71.34	17.73	0.00	53.61	0.72	ND	1.94	ND	ND	ND	10.1	--	
07/10/00	71.34	18.14	0.00	53.20	-0.41	ND	ND	ND	ND	ND	46.6	--	
01/04/01	71.34	18.02	0.00	53.32	0.12	ND	0.925	ND	ND	ND	ND	--	
07/16/01	71.34	18.02	0.00	53.32	0.00	ND	ND	ND	ND	ND	ND	--	
01/28/02	71.34	17.57	0.00	53.77	0.45	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
07/12/02	71.34	18.05	0.00	53.29	-0.48	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
01/14/03	71.34	17.44	0.00	53.90	0.61	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
07/10/03	71.34	--	--	--	--	--	--	--	--	--	--	--	INACCESSIBLE - VEHICLE PARKED OVER WELL
02/04/04	71.34	17.22	0.00	54.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
07/29/04	71.34	--	--	--	--	--	--	--	--	--	--	--	Inaccessible-car parked on well
03/02/05	71.34	16.63	0.00	54.71	--	99	26	ND<0.50	3.5	2.8	ND<5.0	--	
09/30/05	71.34	17.94	0.00	53.40	-1.31	ND<50	1.2	ND<0.30	ND<0.30	ND<0.60	1.6	--	
03/23/06	71.34	16.74	0.00	54.60	1.20	ND<50	3.6	ND<0.30	0.35	ND<0.60	2.5	--	
MW-3													

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through March 2006

Former 76 Station 3538

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-3 continued													
09/15/89	--	--	--	--	--	32	ND	ND	ND	ND	--	--	
01/23/90	--	--	--	--	--	450	110	1.2	4.4	11	--	--	
04/19/90	--	--	--	--	--	3100	600	27	54	220	--	--	
07/17/90	--	--	--	--	--	4000	270	48	130	250	--	--	
10/16/90	--	--	--	--	--	740	210	1.4	2.5	82	--	--	
01/15/91	--	--	--	--	--	3200	460	1.5	120	270	--	--	
04/12/91	--	--	--	--	--	880	170	1.1	34	110	--	--	
07/15/91	--	--	--	--	--	9200	1300	230	490	1900	--	--	
10/15/91	--	--	--	--	--	3100	390	34	150	390	--	--	
01/15/92	--	--	--	--	--	3000	590	14	310	750	--	--	
04/14/92	--	--	--	--	--	14000	660	48	560	2000	--	--	
07/14/92	--	--	--	--	--	21000	890	200	1200	4300	--	--	
10/12/92	--	--	--	--	--	3200	160	10	230	540	--	--	
01/08/93	--	--	--	--	--	1100	48	0.99	0.9	93	--	--	
04/13/93	72.06	17.96	0.00	54.10	--	12000	290	38	760	2300	1400	--	
07/14/93	72.06	18.54	0.00	53.52	-0.58	6300	190	ND	430	1000	860	--	
10/14/93	71.86	18.45	0.00	53.41	-0.11	2500	52	ND	110	250	--	--	
01/12/94	71.86	18.34	0.00	53.52	0.11	3800	78	ND	180	390	--	--	
04/09/94	71.86	18.19	0.00	53.67	0.15	1800	22	ND	140	280	--	--	
04/11/94	71.86	18.12	0.00	53.74	0.07	--	--	--	--	--	--	--	
07/07/94	71.86	18.21	0.00	53.65	-0.09	110	4.5	ND	ND	ND	--	--	
10/05/94	71.86	18.58	0.00	53.28	-0.37	ND	ND	ND	ND	ND	--	--	
01/09/95	71.86	17.69	0.00	54.17	0.89	ND	0.68	ND	ND	ND	--	--	
04/17/95	71.86	17.68	0.00	54.18	0.01	3700	80	10	270	510	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through March 2006

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued													
07/19/95	71.86	18.20	0.00	53.66	-0.52	15000	330	27	990	2400	--	--	
10/26/95	71.86	18.32	0.00	53.54	-0.12	14000	420	180	750	1600	4800	--	
01/16/96	71.86	17.95	0.00	53.91	0.37	920	38	ND	30	57	--	--	
04/15/96	71.86	17.78	0.00	54.08	0.17	9700	240	ND	570	860	3200	--	
07/11/96	71.86	18.19	0.00	53.67	-0.41	13000	69	5.5	430	900	740	--	
01/17/97	71.86	17.23	0.00	54.63	0.96	4400	25	ND	270	580	1600	--	
07/21/97	71.86	18.29	0.00	53.57	-1.06	9000	36	ND	450	800	950	--	
01/14/98	71.86	16.71	0.00	55.15	1.58	7100	40	ND	380	360	930	--	
07/06/98	71.86	17.03	0.00	54.83	-0.32	6800	39	ND	320	360	370	--	
01/13/99	71.86	18.00	0.00	53.86	-0.97	1800	9.4	ND	58	36	180	--	
08/31/99	71.40	--	0.00	--	--	--	--	--	--	--	--	--	Well obstructed at 0.5 feet.
01/21/00	71.40	17.58	0.00	53.82	--	ND	ND	ND	ND	ND	21.4	--	
07/10/00	71.40	18.05	0.00	53.35	-0.47	ND	ND	ND	ND	ND	162	--	
08/25/00	71.40	17.82	0.00	53.58	0.23	--	--	--	--	--	--	180	
01/04/01	71.40	18.16	0.00	53.24	-0.34	ND	ND	ND	ND	ND	193	--	
07/16/01	71.40	17.98	0.00	53.42	0.18	ND	ND	ND	ND	ND	660	--	
01/28/02	71.40	17.84	0.00	53.56	0.14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	34	--	
07/12/02	71.40	17.87	0.00	53.53	-0.03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11	19	
01/14/03	71.40	17.28	0.00	54.12	0.59	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	--	
07/10/03	71.40	17.64	0.00	53.76	-0.36	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	--	
02/04/04	71.40	17.05	0.00	54.35	0.59	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	26	--	
07/29/04	71.40	17.82	0.00	53.58	-0.77	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	--	
03/02/05	71.40	16.47	0.00	54.93	1.35	93	ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	--	
09/30/05	71.40	17.79	0.00	53.61	-1.32	65	ND<0.30	ND<0.30	ND<0.30	ND<0.60	61	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through March 2006

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued													
03/23/06	71.40	16.61	0.00	54.79	1.18	54	ND<0.30	0.41	ND<0.30	0.98	63	--	
MW-4													
09/15/89	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
01/23/90	--	--	--	--	--	ND	ND	0.4	ND	ND	--	--	
04/19/90	--	--	--	--	--	ND	ND	0.48	ND	ND	--	--	
07/17/90	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
10/16/90	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
01/15/91	--	--	--	--	--	ND	ND	ND	--	ND	--	--	
04/12/91	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
07/15/91	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
07/14/92	--	--	--	--	--	ND	1.3	2.5	ND	1.0	--	--	
04/13/93	71.98	17.67	0.00	54.31	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/14/93	71.98	18.31	0.00	53.67	-0.64	ND	ND	ND	ND	ND	--	--	
10/14/93	71.64	18.08	0.00	53.56	-0.11	--	--	--	--	--	--	--	
01/12/94	71.64	17.97	0.00	53.67	0.11	--	--	--	--	--	--	--	
04/11/94	71.64	17.70	0.00	53.94	0.27	--	--	--	--	--	--	--	
07/07/94	71.64	17.80	0.00	53.84	-0.10	ND	ND	ND	ND	ND	--	--	
10/05/94	71.64	18.28	0.00	53.36	-0.48	--	--	--	--	--	--	--	
01/09/95	71.64	17.38	0.00	54.26	0.90	--	--	--	--	--	--	--	
04/17/95	71.64	17.21	0.00	54.43	0.17	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/19/95	71.64	17.82	0.00	53.82	-0.61	ND	ND	ND	ND	ND	--	--	
10/26/95	71.64	18.17	0.00	53.47	-0.35	--	--	--	--	--	--	--	
01/16/96	71.64	16.45	0.00	55.19	1.72	--	--	--	--	--	--	--	
04/15/96	71.64	17.35	0.00	54.29	-0.90	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
September 1989 Through March 2006
Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-4 continued													
07/11/96	71.64	17.81	0.00	53.83	-0.46	ND	ND	ND	ND	ND	ND	--	
01/17/97	71.64	16.73	0.00	54.91	1.08	--	--	--	--	--	--	--	
07/21/97	71.64	17.91	0.00	53.73	-1.18	ND	ND	ND	ND	ND	ND	--	
01/14/98	71.64	16.18	0.00	55.46	1.73	--	--	--	--	--	--	--	
07/06/98	71.64	16.49	0.00	55.15	-0.31	ND	ND	ND	ND	ND	ND	--	
01/13/99	71.64	17.29	0.00	54.35	-0.80	--	--	--	--	--	--	--	
08/31/99	71.54	--	0.00	--	--	--	--	--	--	--	--	--	Well obstructed at 10.4 feet.
01/21/00	71.54	17.51	0.00	54.03	--	--	--	--	--	--	--	--	
07/10/00	71.54	17.93	0.00	53.61	-0.42	ND	ND	ND	ND	ND	ND	--	
01/04/01	71.54	18.10	0.00	53.44	-0.17	--	--	--	--	--	--	--	
07/16/01	71.54	17.76	0.00	53.78	0.34	ND	ND	ND	ND	ND	ND	--	
01/28/02	71.54	17.20	0.00	54.34	0.56	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/12/02	71.54	17.81	0.00	53.73	-0.61	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
01/14/03	71.54	17.30	0.00	54.24	0.51	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/10/03	71.54	17.58	0.00	53.96	-0.28	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
02/04/04	71.54	17.07	0.00	54.47	0.51	--	--	--	--	--	--	--	Monitored Only
07/29/04	71.54	17.81	0.00	53.73	-0.74	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	--	
03/02/05	71.54	16.25	0.00	55.29	1.56	--	--	--	--	--	--	--	Sampled Annually
09/30/05	71.54	17.74	0.00	53.80	-1.49	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	
03/23/06	71.54	--	--	--	--	--	--	--	--	--	--	--	Inaccessible due to gate, Sampled Q3 only
MW-5													
11/30/92	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
01/08/93	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through March 2006

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-5 continued													
04/13/93	71.51	17.49	0.00	54.02	--	ND	ND	ND	ND	ND	--	--	
07/14/93	71.51	18.02	0.00	53.49	-0.53	ND	ND	0.57	ND	ND	--	--	
10/14/93	71.23	17.82	0.00	53.41	-0.08	ND	ND	ND	ND	ND	--	--	
01/12/94	71.23	17.74	0.00	53.49	0.08	ND	ND	0.84	ND	1.6	--	--	
04/11/94	71.23	17.56	0.00	53.67	0.18	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/07/94	71.23	17.50	0.00	53.73	0.06	ND	ND	ND	ND	ND	--	--	
10/05/94	71.23	17.98	0.00	53.25	-0.48	--	--	--	--	--	--	--	
01/09/95	71.23	17.13	0.00	54.10	0.85	--	--	--	--	--	--	--	
04/17/95	71.23	17.05	0.00	54.18	0.08	--	--	--	--	--	--	--	
07/19/95	71.23	17.59	0.00	53.64	-0.54	ND	ND	ND	ND	ND	--	--	
10/26/95	71.23	18.10	0.00	53.13	-0.51	--	--	--	--	--	--	--	
01/16/96	71.23	17.11	0.00	54.12	0.99	--	--	--	--	--	--	--	
04/15/96	71.23	17.22	0.00	54.01	-0.11	--	--	--	--	--	--	--	
07/11/96	71.23	17.59	0.00	53.64	-0.37	ND	ND	ND	ND	ND	ND	--	
01/17/97	71.23	16.75	0.00	54.48	0.84	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/21/97	71.23	17.59	0.00	53.64	-0.84	ND	ND	ND	ND	ND	ND	--	
01/14/98	71.23	16.16	0.00	55.07	1.43	--	--	--	--	--	--	--	
07/06/98	71.23	16.52	0.00	54.71	-0.36	ND	ND	ND	ND	ND	ND	--	
01/13/99	71.23	17.62	0.00	53.61	-1.10	--	--	--	--	--	--	--	
08/31/99	71.16	17.76	0.00	53.40	-0.21	ND	ND	ND	ND	ND	ND	--	
01/21/00	71.16	16.83	0.00	54.33	0.93	--	--	--	--	--	--	--	
07/10/00	71.16	17.46	0.00	53.70	-0.63	ND	ND	ND	ND	ND	ND	--	
01/04/01	71.16	17.51	0.00	53.65	-0.05	--	--	--	--	--	--	--	
07/16/01	71.16	17.32	0.00	53.84	0.19	ND	ND	ND	ND	ND	ND	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through March 2006

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-5 continued													
01/28/02	71.16	17.12	0.00	54.04	0.20	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/12/02	71.16	17.12	0.00	54.04	0.00	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
01/14/03	71.16	16.67	0.00	54.49	0.45	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/10/03	71.16	17.39	0.00	53.77	-0.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
02/04/04	71.16	16.23	0.00	54.93	1.16	--	--	--	--	--	--	--	Monitored Only
07/29/04	71.16	16.02	0.00	55.14	0.21	ND<50	ND<0.3	0.64	ND<0.3	0.79	ND<1	--	
03/02/05	71.16	16.43	0.00	54.73	-0.41	--	--	--	--	--	--	--	Sampled Annually
09/30/05	71.16	17.41	0.00	53.75	-0.98	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	
03/23/06	71.16	16.37	0.00	54.79	1.04	--	--	--	--	--	--	--	Sampled Q3 only
MW-6													
11/30/92	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
01/08/93	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	
04/13/93	71.79	11.94	0.00	59.85	--	ND	ND	ND	ND	ND	--	--	
07/14/93	71.79	17.20	0.00	54.59	-5.26	ND	0.99	2.4	ND	1.9	--	--	
10/14/93	71.44	17.21	0.00	54.23	-0.36	ND	ND	0.64	ND	ND	--	--	
01/12/94	71.44	17.44	0.00	54.00	-0.23	ND	ND	1.2	ND	2.9	--	--	
04/11/94	71.44	13.66	0.00	57.78	3.78	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/07/94	71.44	14.05	0.00	57.39	-0.39	ND	ND	ND	ND	ND	--	--	
10/05/94	71.44	14.16	0.00	57.28	-0.11	--	--	--	--	--	--	--	
01/09/95	71.44	13.73	0.00	57.71	0.43	--	--	--	--	--	--	--	
04/17/95	71.44	11.30	0.00	60.14	2.43	--	--	--	--	--	--	--	
07/19/95	71.44	12.32	0.00	59.12	-1.02	ND	ND	ND	ND	ND	--	--	
10/26/95	71.44	17.88	0.00	53.56	-5.56	--	--	--	--	--	--	--	
01/16/96	71.44	16.38	0.00	55.06	1.50	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through March 2006

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-6 continued													
04/15/96	71.44	14.00	0.00	57.44	2.38	--	--	--	--	--	--	--	
07/11/96	71.44	13.58	0.00	57.86	0.42	ND	ND	ND	ND	ND	ND	--	
01/17/97	71.44	15.42	0.00	56.02	-1.84	--	--	--	--	--	--	--	
07/21/97	71.44	13.78	0.00	57.66	1.64	ND	ND	ND	ND	ND	ND	--	
01/14/98	71.44	13.65	0.00	57.79	0.13	--	--	--	--	--	--	--	
07/06/98	71.44	13.90	0.00	57.54	-0.25	ND	ND	ND	ND	ND	ND	--	
01/13/99	71.44	14.93	0.00	56.51	-1.03	--	--	--	--	--	--	--	
08/31/99	71.37	15.81	0.00	55.56	-0.95	ND	ND	ND	ND	ND	ND	--	
01/21/00	71.37	16.13	0.00	55.24	-0.32	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/10/00	71.37	16.95	0.00	54.42	-0.82	ND	ND	ND	ND	ND	ND	--	
01/04/01	71.37	17.09	0.00	54.28	-0.14	--	--	--	--	--	--	--	
07/16/01	71.37	16.83	0.00	54.54	0.26	ND	ND	ND	ND	ND	ND	--	
01/28/02	71.37	14.58	0.00	56.79	2.25	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/12/02	71.37	16.76	0.00	54.61	-2.18	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
01/14/03	71.37	16.25	0.00	55.12	0.51	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/10/03	71.37	12.97	0.00	58.40	3.28	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
02/04/04	71.37	16.20	0.00	55.17	-3.23	--	--	--	--	--	--	--	Monitored Only
07/29/04	71.37	14.98	0.00	56.39	1.22	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	1.3	--	
03/02/05	71.37	14.51	0.00	56.86	0.47	--	--	--	--	--	--	--	Sampled Annually
09/30/05	71.37	14.45	0.00	56.92	0.06	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	1.7	--	
03/23/06	71.37	16.55	0.00	54.82	-2.10	--	--	--	--	--	--	--	Sampled Q3 only

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former 76 Station 3538

Date Sampled	TPH-D	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Greese	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Carbon Tertra-chloride	Chloro-benzene	Chloro-ethane
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1															
09/15/89	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
01/23/90	ND	--	--	--	--	--	--	--	1.5	--	--	--	--	--	--
04/19/90	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
07/17/90	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
10/16/90	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
01/15/91	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
04/12/91	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
07/15/91	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
07/16/01	--	--	--	--	--	--	--	--	--	1.7	--	--	--	--	--
07/29/04	--	--	--	--	ND<0.5	--	--	--	--	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5
09/30/05	--	--	--	--	ND<0.50	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50
MW-3															
08/25/00	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
07/12/02	--	ND<20	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--	--	--

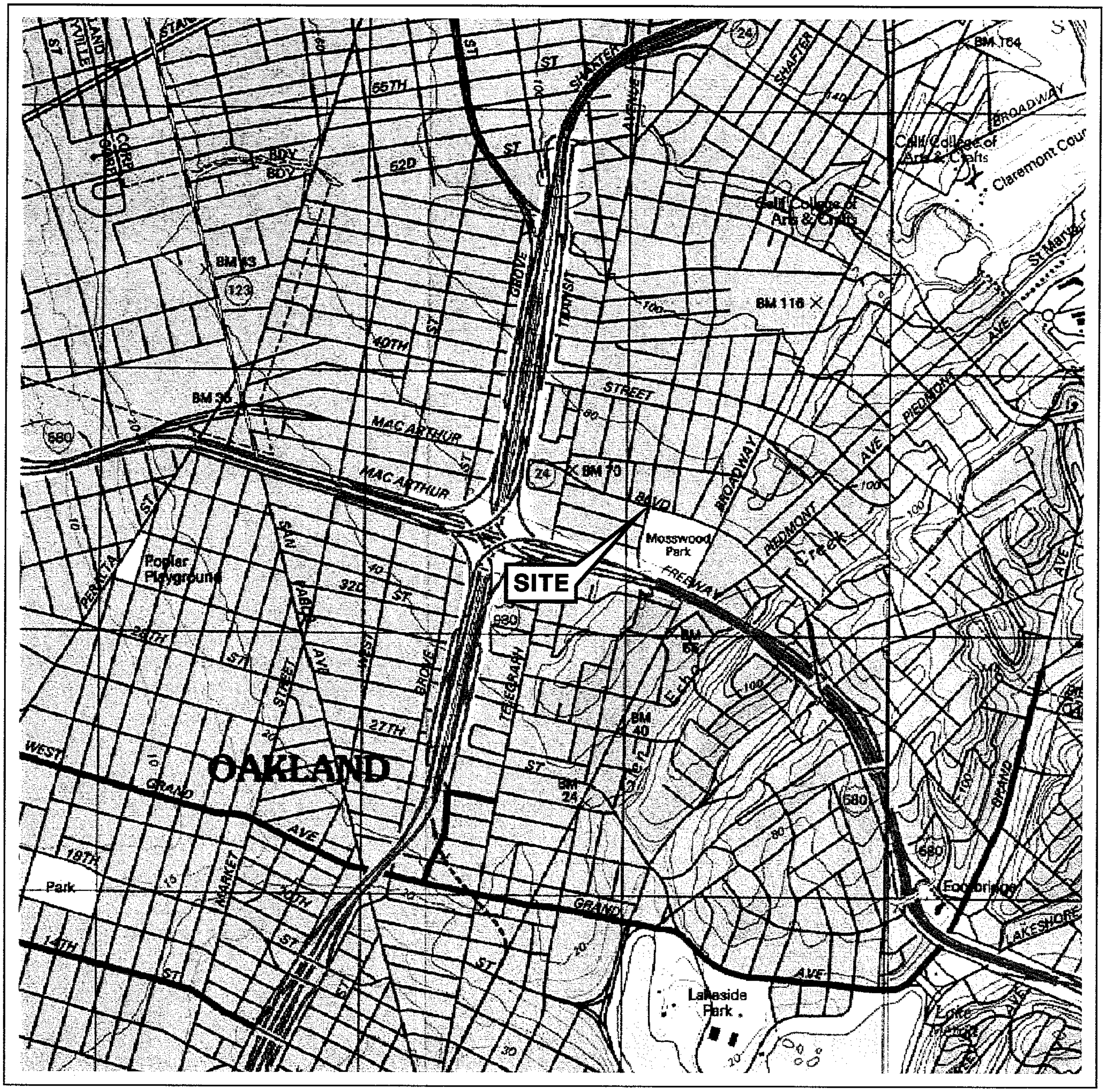
Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former 76 Station 3538

Date Sampled	Chloroform	Chloro-methane	Dibromo-chloro-methane	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	Dichloro-difluoro-methane	1,1-DCA	1,1-DCE	cis- 1,2-DCE	trans- 1,2-DCE	1,2-Dichloro-propane	cis-1,3-Dichloro-propene	trans-1,3-Dichloro-propene	Methylene chloride
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1															
07/11/96	0.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/21/97	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/16/01	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/12/02	--	--	--	--	--	--	--	--	1.8	--	--	--	--	--	--
07/10/03	--	--	--	--	--	--	--	--	0.89	--	--	--	--	--	--
07/29/04	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
09/30/05	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.52	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0

Table 2 c
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former 76 Station 3538

Date Sampled	1,1,2,2-Tetrachloro-ethane (µg/l)	Tetrachloro-ethene (PCE) (µg/l)	Trichloro-trifluoro-ethane (µg/l)	1,1,1-Trichloro-ethane (µg/l)	1,1,2-Trichloro-ethane (µg/l)	Trichloro-ethene (TCE) (µg/l)	Trichloro-fluoro-methane (µg/l)	Vinyl chloride (µg/l)
MW-1								
09/15/89	--	2.7	--	--	--	--	--	--
01/23/90	--	2.1	--	--	--	--	--	--
04/19/90	--	2.2	--	--	--	--	--	--
07/17/90	--	1.7	--	--	--	--	--	--
10/16/90	--	2.0	--	--	--	--	--	--
01/15/91	--	2.1	--	--	--	--	--	--
04/12/91	--	2.0	--	--	--	--	--	--
07/15/91	--	1.8	--	--	--	--	--	--
07/14/92	--	1.4	--	--	--	--	--	--
07/14/93	--	0.95	--	--	--	--	--	--
07/07/94	--	0.83	--	--	--	--	--	--
07/19/95	--	0.52	--	--	--	--	--	--
07/11/96	--	0.73	--	--	--	--	--	--
07/21/97	--	0.70	--	--	--	--	--	--
08/31/99	--	ND	--	--	--	--	--	--
07/16/01	--	ND	--	--	--	--	--	--
07/12/02	--	ND<0.60	--	--	--	--	--	--
07/10/03	--	ND<0.50	--	--	--	--	--	--
07/29/04	ND<0.5	ND<0.5	13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
09/30/05	ND<0.50	ND<0.50	9.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

N

SOURCE:

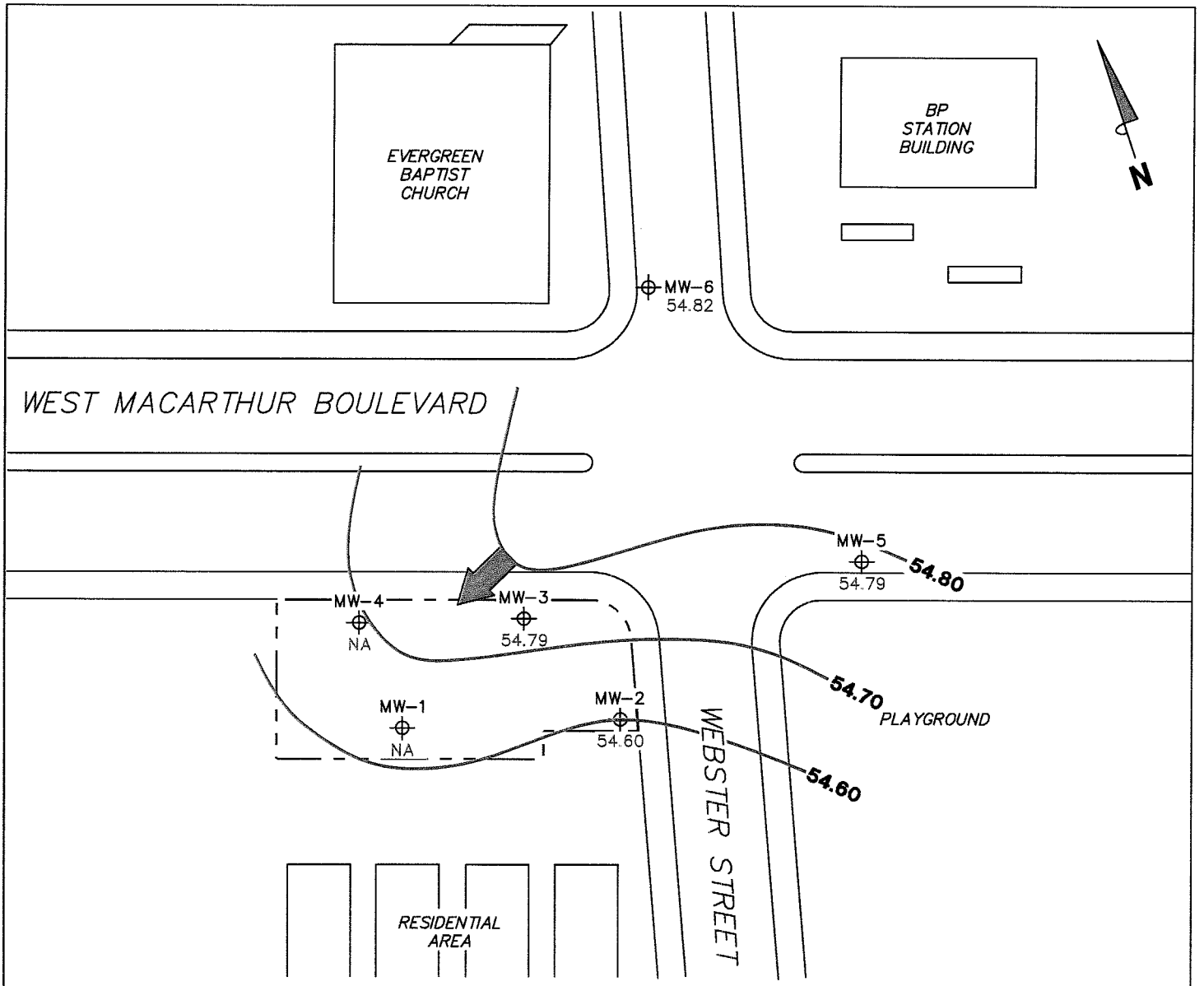
United States Geological Survey
7.5 Minute Topographic Map:
Oakland East & Oakland West
Quadrangles

TRC

VICINITY MAP

Former 76 Station 3538
411 West MacArthur Boulevard
Oakland, California

FIGURE 1



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level.

LEGEND

MW-6 ⊕ Monitoring Well with Groundwater Elevation (feet)

54.80 — Groundwater Elevation Contour

General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
March 23, 2006

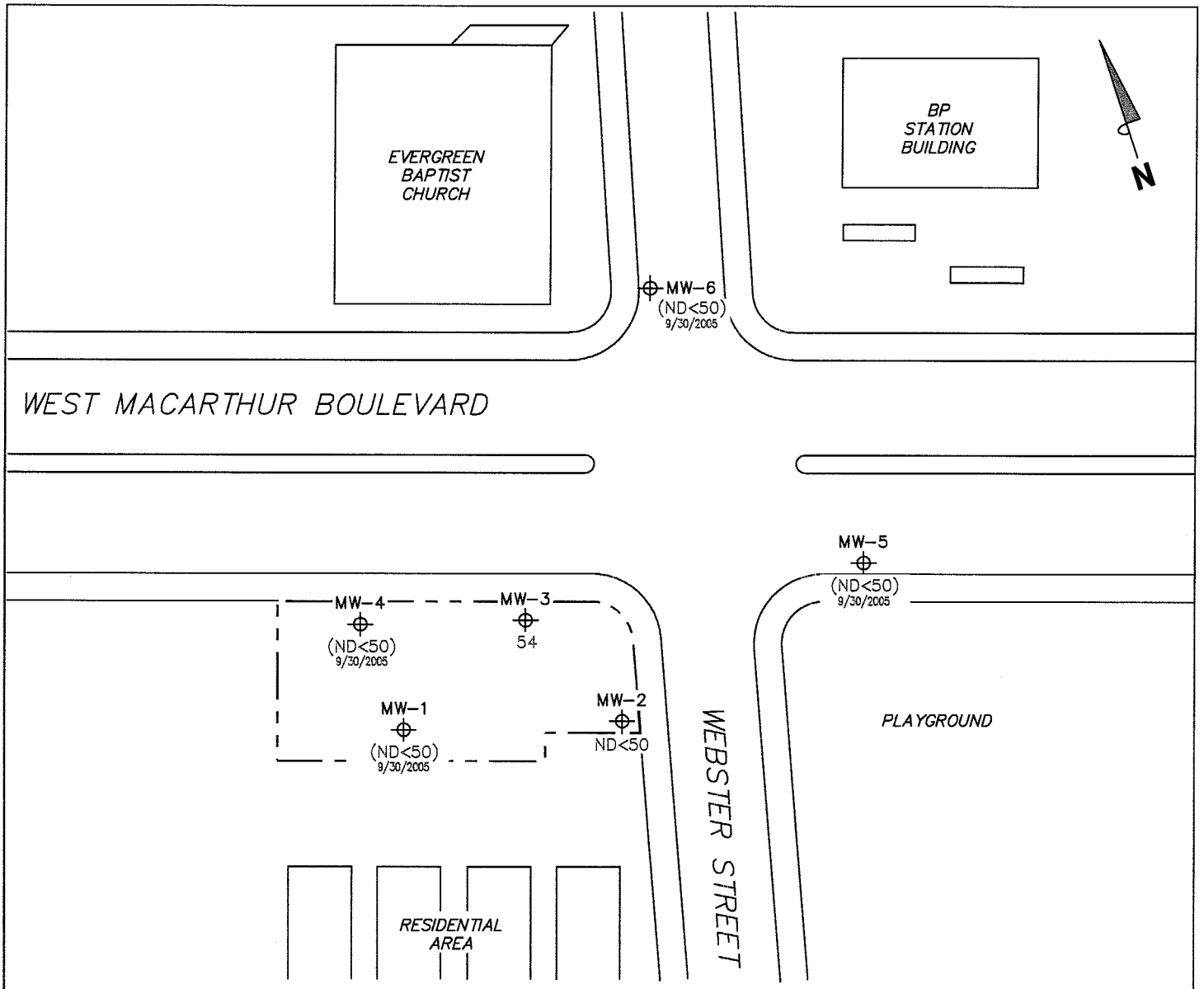
Former 76 Station 3538
411 West MacArthur Boulevard
Oakland, California

SCALE (FEET)
0 60

FIGURE 2

PS=1:1 3538-003

\\IRVINE-FS1\Graphics\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-3000\3538+\3538-QMS.dwg Apr 15, 2006 - 10:19am bschmidt



NOTES:

TPH-G = total petroleum hydrocarbons as gasoline.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
( ) = representative of historical value.
Results obtained using EPA Method 8260B.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase TPH-G Concentration (µg/l)

DISSOLVED-PHASE TPH-G CONCENTRATION MAP
March 23, 2006

Former 76 Station 3538
411 West MacArthur Boulevard
Oakland, California

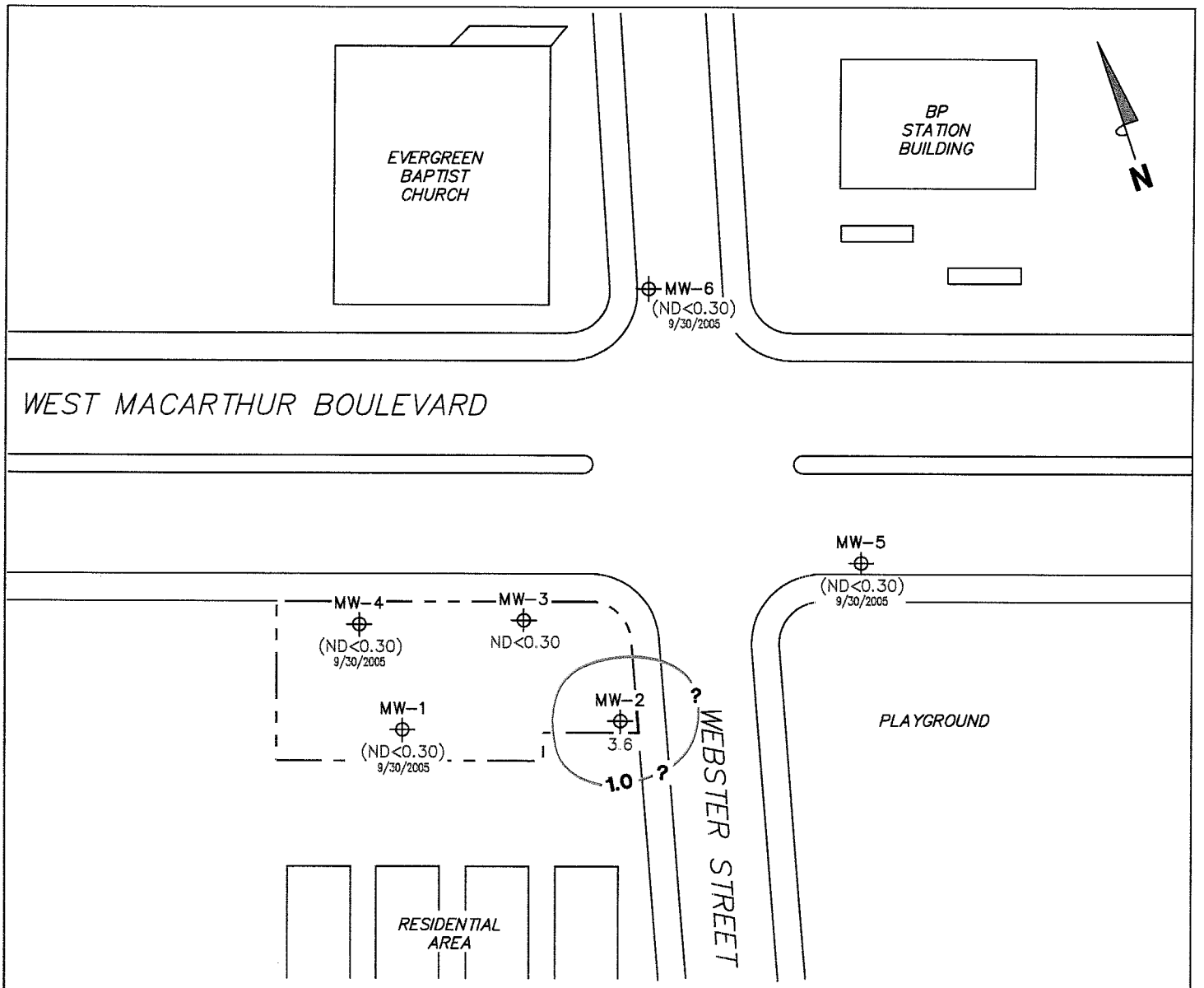
TRC

SCALE (FEET)
0 60

FIGURE 3

PS=1:1 3538-003

\\IRVINE-FS1\Graphics\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-3000\3538+\3538-QMS.dwg Apr 15, 2006 - 10:34am bschmidt



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ( ) = representative of historical value.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

1.0 Dissolved-Phase Benzene Contour (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
March 23, 2006

Former 76 Station 3538
411 West MacArthur Boulevard
Oakland, California

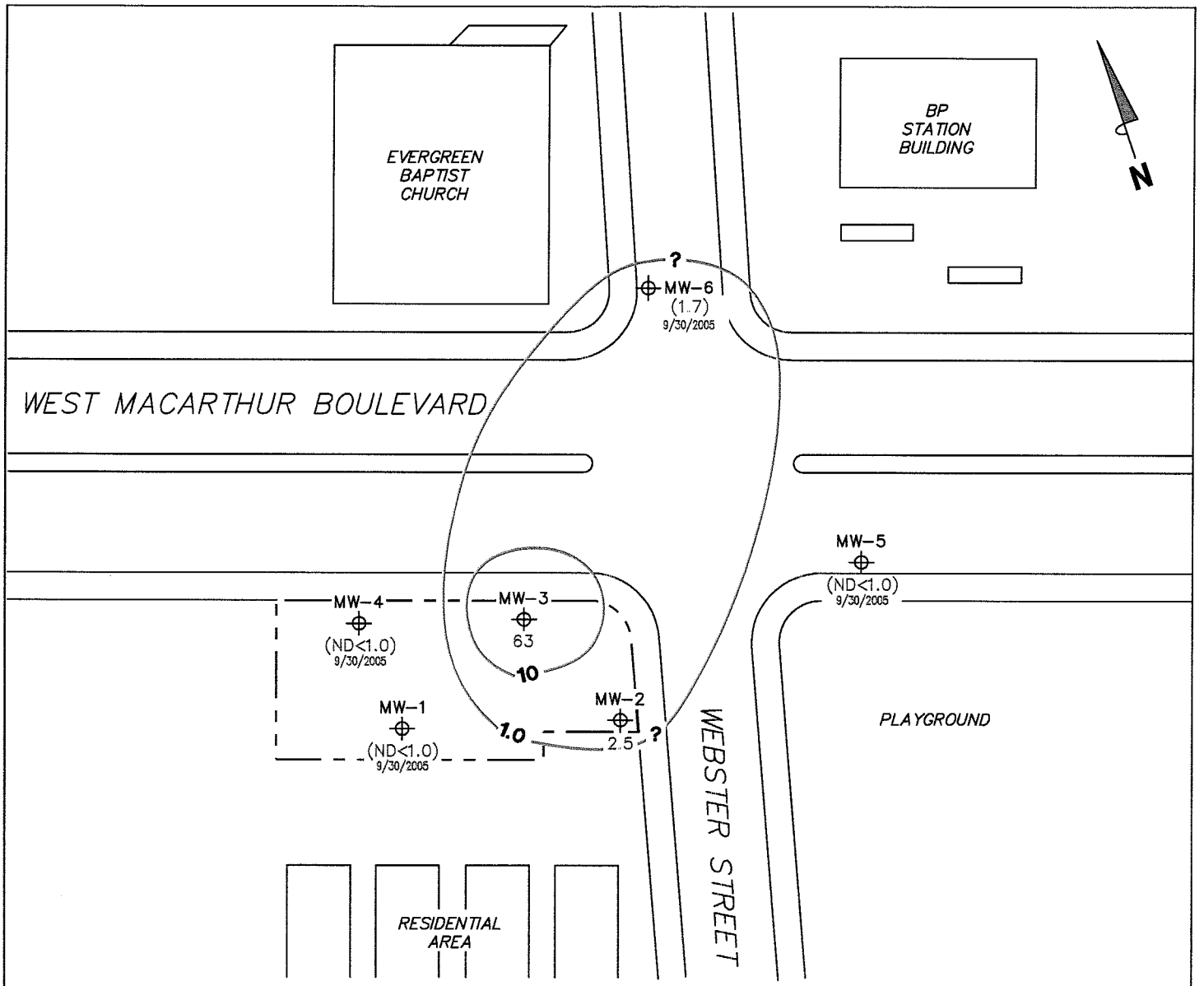
TRC

SCALE (FEET)
0 60

FIGURE 4

PS=1:1 3538-003

\\IRVINE-FS1\Graphics\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-3000\3538+\3538-QMS.dwg Apr 15, 2006 - 10:34am bschmidt



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. ( ) = representative of historical value. Results obtained using EPA Method 8021B.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

10 Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
March 23, 2006

Former 76 Station 3538
411 West MacArthur Boulevard
Oakland, California

TRC

SCALE (FEET)
0 60

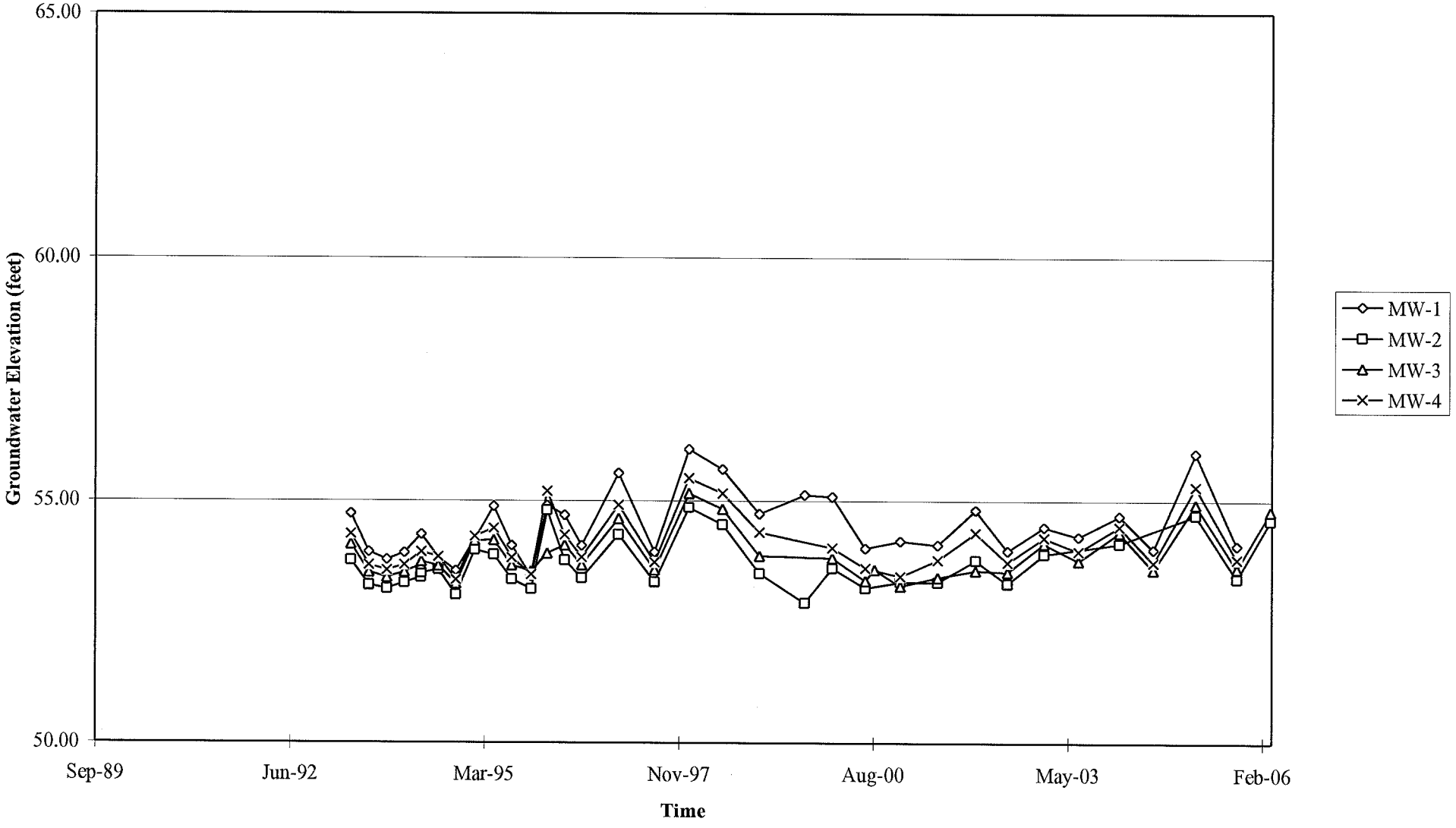
FIGURE 5

PS=1:1 3538-003

\\IRVINE-FS1\Graphics\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-3000\3538+\3538-QMS.dwg Apr 15, 2006 - 10:33am bschmidt

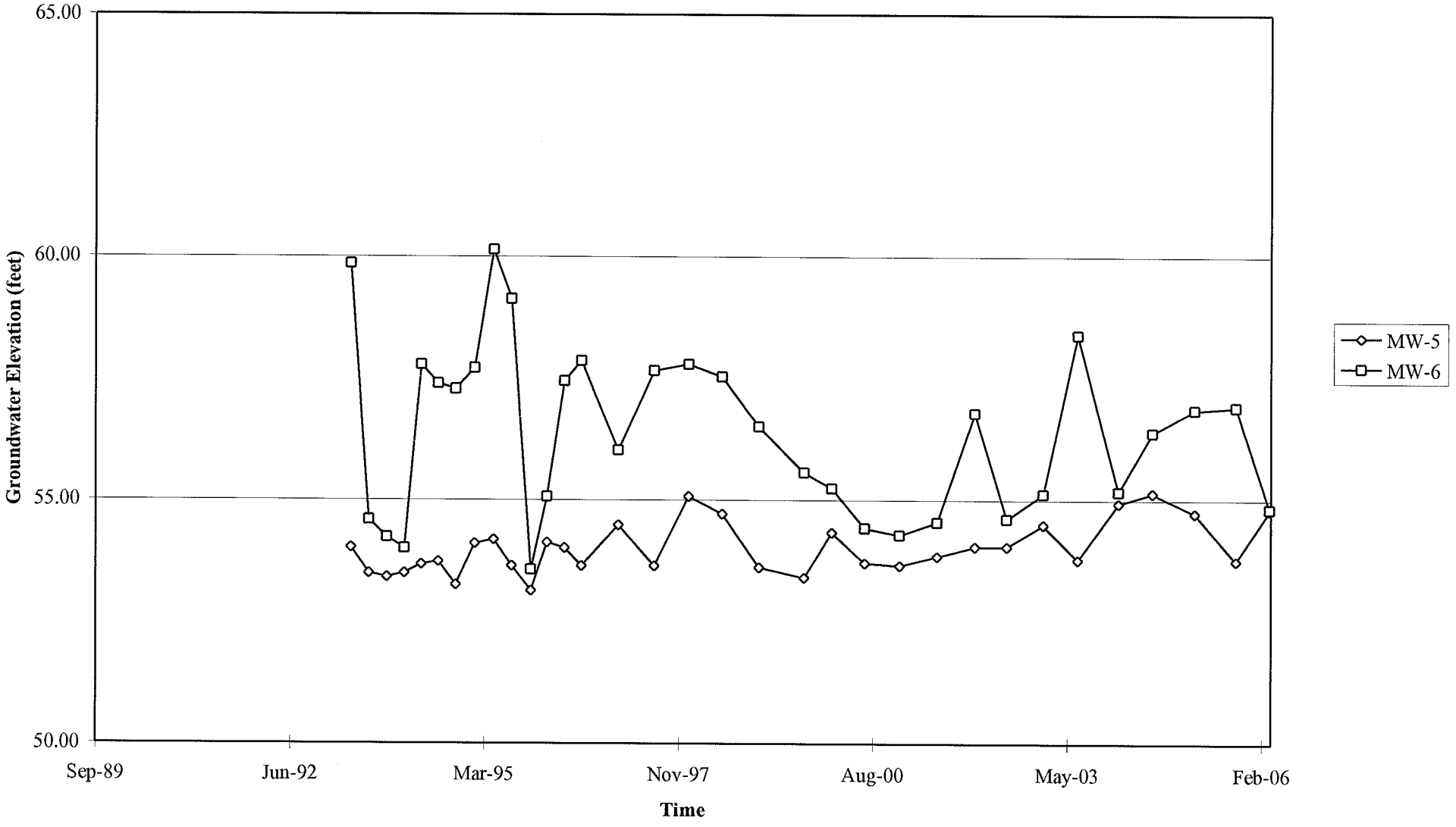
GRAPHS

Groundwater Elevations vs. Time
Former 76 Station 3538



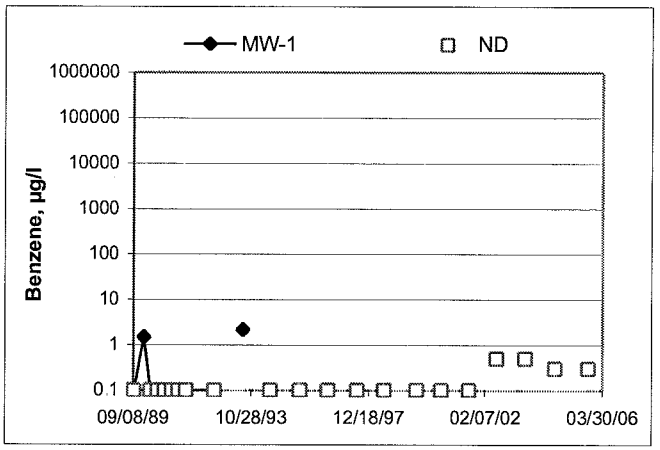
Elevations may have been corrected for apparent changes due to resurvey

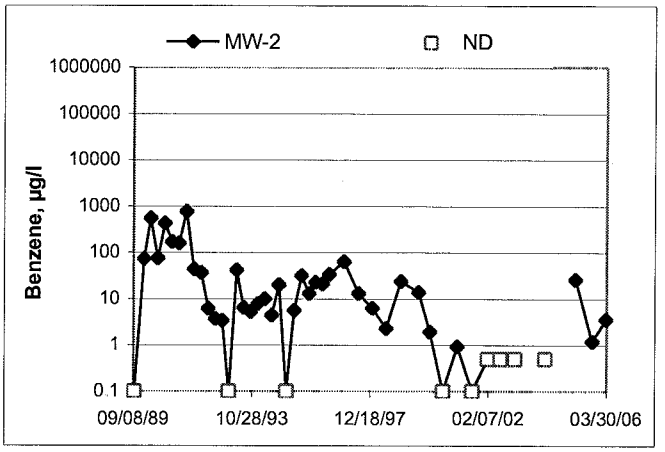
Groundwater Elevations vs. Time
Former 76 Station 3538

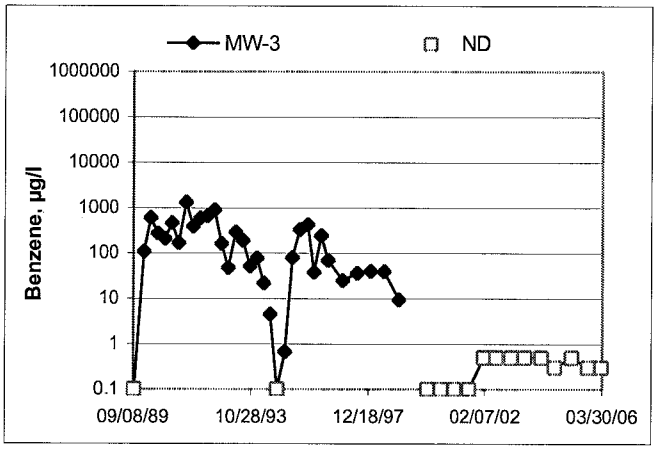


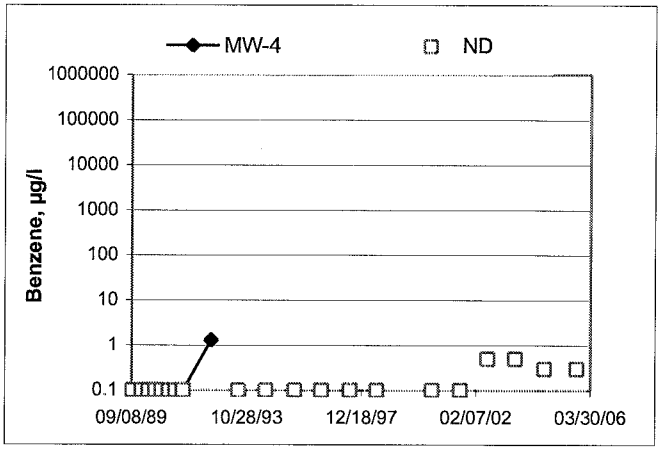
Elevations may have been corrected for apparent changes due to resurvey

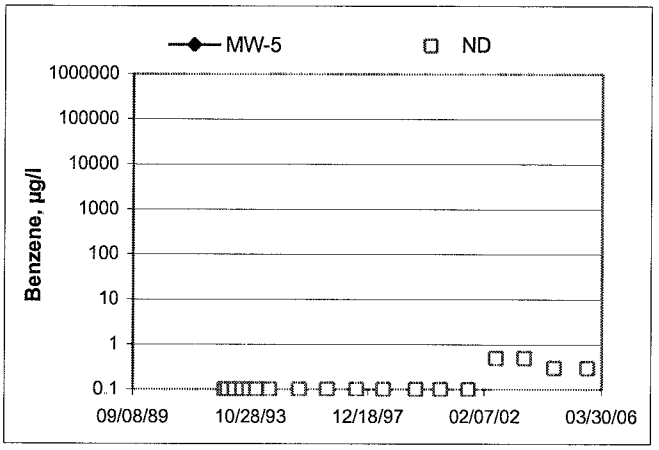
Benzene Concentrations vs Time
Former 76 Station 3538

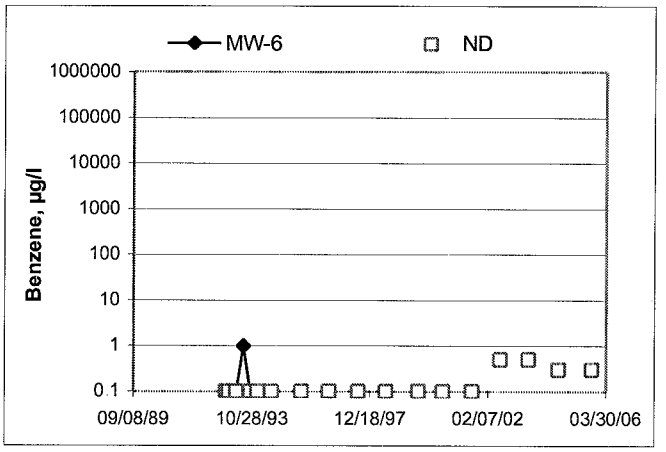












GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular wells, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: WHIT Job #/Task #: 410500.01 / FA20 Date: 3/28/06

Site # 3538 Project Manager A. Collins Page 1 of 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-2	1335	✓	16.74	2443	cc	—	1350	2"
MW-3	1337	✓	27.28	16.61	—	—	1420	2"

FIELD DATA COMPLETE ~~QA~~/QC ~~COC~~ WELL ~~BOX~~ CONDITION SHEETS

WTT CERTIFICATE MANIFEST DRUM INVENTORY TRAFFIC CONTROL

FIELD MONITORING DATA SHEET

Technician: Wade Job #/Task #: 41050001 Date: 03/25/06

Site # 3538 Project Manager A-Collins Page 1 of 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-1								gate was locked
MW-5	1151	—	30.45	16.37	—	—	N/S	2" monitor only
MW-4								gate was locked
MW-6	1156	—	30.43	16.55	—	—	N/S	2" monitor only

FIELD DATA COMPLETE ✓ QA/QC COC WELL BOX CONDITION SHEETS ✓

WTT CERTIFICATE MANIFEST DRUM INVENTORY TRAFFIC CONTROL ✓

GROUNDWATER SAMPLING FIELD NOTES

Technician: WHF

Site: 3538 Project No.: 41050001 Date: 3/23/06

Well No.: MW-2 Purge Method: DA

Depth to Water (feet): 16.74 Depth to Product (feet): —

Total Depth (feet): 24.43 LPH & Water Recovered (gallons): —

Water Column (feet): 7.69 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 18.27 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
1343			1	370	20.4	5.3		
			2	780	19.6	5.1		
	1345		3	800	20.7	5.1		

Static at Time Sampled	Total Gallons Purged	Time Sampled
17.92	3	1350

Comments:

Well No.: MW-3 Purge Method: DA

Depth to Water (feet): 16.61 Depth to Product (feet): —

Total Depth (feet): 27.28 LPH & Water Recovered (gallons): —

Water Column (feet): 10.67 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 16.74 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
1410			2	890	20.6	5.4		
			4	860	19.6	5.4		
	1416		6	840	19.4	5.3		

Static at Time Sampled	Total Gallons Purged	Time Sampled
16.63	6	1420

Comments:

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 03/25/06 STATION NUMBER: 3538

NAME OF TECH: Nate ~~CALLED GORDON: Yes~~ no MK

CALLED PM: _____ NAME OF PM CALLED: _____

WELL NUMBER: MW-4 STATEMENT FROM PM _____ OR TECH X

The guy who owns the car shop was not there. I was told he hasn't been there all morning.

WELL NUMBER: MW-1 STATEMENT FROM PM _____ OR TECH X

Same as MW-4

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

BC Laboratories, Inc

Date of Report: 04/03/2006

Anju Farfan

TRC Alton Geoscience

21 Technology Drive
Irvine, CA 92618-2302

RE: 3538

BC Lab Number: 0602897

Enclosed are the results of analyses for samples received by the laboratory on 03/27/06 22:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Hooker
Client Service Rep

Authorized Signature

BC Laboratories, Inc

TRC Alton Geoscience	Project: 3538	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 04/03/06 09:27

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0602897-01	**COC Number:**	---	**Receive Date:**	03/27/06 22:30	Delivery Work Order:
	Project Number:	3538	**Sampling Date:**	03/23/06 13:50	Global ID: T0600101472
	Sampling Location:	MW-2	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-2	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Whitman of TRCI			Cooler ID:
0602897-02	**COC Number:**	---	**Receive Date:**	03/27/06 22:30	Delivery Work Order:
	Project Number:	3538	**Sampling Date:**	03/23/06 14:20	Global ID: T0600101472
	Sampling Location:	MW-3	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-3	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Whitman of TRCI			Cooler ID:

4100 Atlas Court • Bakersfield, CA 93308 • (661) 327-4911 • FAX (661) 327-1918 • www.bclabs.com

TRC Alton Geoscience	Project: 3538	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 04/03/06 09:27

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0602897-01 | **Client Sample Name:** 3538, MW-2, MW-2, 3/23/2006 1:50:00PM, Whitman

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	3.6	ug/L	0.30		EPA-8020	03/29/06	03/30/06 07:11	CAW	GC-V4	1	BPC1258	ND	
Toluene	ND	ug/L	0.30		EPA-8020	03/29/06	03/30/06 07:11	CAW	GC-V4	1	BPC1258	ND	
Ethylbenzene	0.35	ug/L	0.30		EPA-8020	03/29/06	03/30/06 07:11	CAW	GC-V4	1	BPC1258	ND	
Methyl t-butyl ether	2.5	ug/L	1.0		EPA-8020	03/29/06	03/30/06 07:11	CAW	GC-V4	1	BPC1258	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8020	03/29/06	03/30/06 07:11	CAW	GC-V4	1	BPC1258	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	03/29/06	03/30/06 07:11	CAW	GC-V4	1	BPC1258	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	93.1	%	70 - 130	(LCL - UCL)	EPA-8020	03/29/06	03/30/06 07:11	CAW	GC-V4	1	BPC1258		
a,a,a-Trifluorotoluene (FID Surrogate)	96.5	%	70 - 130	(LCL - UCL)	Luft	03/29/06	03/30/06 07:11	CAW	GC-V4	1	BPC1258		

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 04/03/06 09:27

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0602897-02 | **Client Sample Name:** 3538, MW-3, MW-3, 3/23/2006 2:20:00PM, Whitman

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8020	03/29/06	03/30/06 07:37	CAW	GC-V4	1	BPC1258	ND	
Toluene	0.41	ug/L	0.30		EPA-8020	03/29/06	03/30/06 07:37	CAW	GC-V4	1	BPC1258	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8020	03/29/06	03/30/06 07:37	CAW	GC-V4	1	BPC1258	ND	
Methyl t-butyl ether	63	ug/L	1.0		EPA-8020	03/29/06	03/30/06 07:37	CAW	GC-V4	1	BPC1258	ND	
Total Xylenes	0.98	ug/L	0.60		EPA-8020	03/29/06	03/30/06 07:37	CAW	GC-V4	1	BPC1258	ND	
Gasoline Range Organics (C4 - C12)	54	ug/L	50		Luft	03/29/06	03/30/06 07:37	CAW	GC-V4	1	BPC1258	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	89.8	%	70 - 130	(LCL - UCL)	EPA-8020	03/29/06	03/30/06 07:37	CAW	GC-V4	1	BPC1258		
a,a,a-Trifluorotoluene (FID Surrogate)	95.3	%	70 - 130	(LCL - UCL)	Luft	03/29/06	03/30/06 07:37	CAW	GC-V4	1	BPC1258		

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 04/03/06 09:27

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BPC1258	BPC1258-MS1	Matrix Spike	ND	44.985	40.000	ug/L		112		70 - 130	
		BPC1258-MSD1	Matrix Spike Duplicate	ND	43.870	40.000	ug/L	1.80	110	20	70 - 130	
Toluene	BPC1258	BPC1258-MS1	Matrix Spike	ND	44.952	40.000	ug/L		112		70 - 130	
		BPC1258-MSD1	Matrix Spike Duplicate	ND	43.658	40.000	ug/L	2.71	109	20	70 - 130	
Ethylbenzene	BPC1258	BPC1258-MS1	Matrix Spike	ND	46.702	40.000	ug/L		117		70 - 130	
		BPC1258-MSD1	Matrix Spike Duplicate	ND	45.320	40.000	ug/L	3.48	113	20	70 - 130	
Methyl t-butyl ether	BPC1258	BPC1258-MS1	Matrix Spike	ND	42.736	40.000	ug/L		107		70 - 130	
		BPC1258-MSD1	Matrix Spike Duplicate	ND	39.557	40.000	ug/L	7.87	98.9	20	70 - 130	
Total Xylenes	BPC1258	BPC1258-MS1	Matrix Spike	ND	137.36	120.00	ug/L		114		70 - 130	
		BPC1258-MSD1	Matrix Spike Duplicate	ND	132.99	120.00	ug/L	2.67	111	20	70 - 130	
Gasoline Range Organics (C4 - C12)	BPC1258	BPC1258-MS1	Matrix Spike	ND	985.74	1000.0	ug/L		98.6		70 - 130	
		BPC1258-MSD1	Matrix Spike Duplicate	ND	983.68	1000.0	ug/L	0.203	98.4	20	70 - 130	
a,a,a-Trifluorotoluene (PID Surrogate)	BPC1258	BPC1258-MS1	Matrix Spike	ND	40.625	40.000	ug/L		102		70 - 130	
		BPC1258-MSD1	Matrix Spike Duplicate	ND	40.644	40.000	ug/L		102		70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BPC1258	BPC1258-MS1	Matrix Spike	ND	40.743	40.000	ug/L		102		70 - 130	
		BPC1258-MSD1	Matrix Spike Duplicate	ND	40.340	40.000	ug/L		101		70 - 130	

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 04/03/06 09:27

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BPC1258	BPC1258-BS1	LCS	41.261	40.000	0.30	ug/L	103		85 - 115		
Toluene	BPC1258	BPC1258-BS1	LCS	41.116	40.000	0.30	ug/L	103		85 - 115		
Ethylbenzene	BPC1258	BPC1258-BS1	LCS	42.405	40.000	0.30	ug/L	106		85 - 115		
Methyl t-butyl ether	BPC1258	BPC1258-BS1	LCS	38.167	40.000	1.0	ug/L	95.4		85 - 115		
Total Xylenes	BPC1258	BPC1258-BS1	LCS	124.02	120.00	0.60	ug/L	103		85 - 115		
Gasoline Range Organics (C4 - C12)	BPC1258	BPC1258-BS1	LCS	969.67	1000.0	50	ug/L	97.0		85 - 115		
a,a,a-Trifluorotoluene (PID Surrogate)	BPC1258	BPC1258-BS1	LCS	40.455	40.000		ug/L	101		70 - 130		
a,a,a-Trifluorotoluene (FID Surrogate)	BPC1258	BPC1258-BS1	LCS	41.322	40.000		ug/L	103		70 - 130		

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 04/03/06 09:27

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BPC1258	BPC1258-BLK1	ND	ug/L	0.30	0.13	
Toluene	BPC1258	BPC1258-BLK1	ND	ug/L	0.30	0.15	
Ethylbenzene	BPC1258	BPC1258-BLK1	ND	ug/L	0.30	0.13	
Methyl t-butyl ether	BPC1258	BPC1258-BLK1	ND	ug/L	1.0	0.37	
Total Xylenes	BPC1258	BPC1258-BLK1	ND	ug/L	0.60	0.51	
Gasoline Range Organics (C4 - C12)	BPC1258	BPC1258-BLK1	ND	ug/L	50	14	
a,a,a-Trifluorotoluene (PID Surrogate)	BPC1258	BPC1258-BLK1	90.0	%	70 - 130 (LCL - UCL)		
a,a,a-Trifluorotoluene (FID Surrogate)	BPC1258	BPC1258-BLK1	97.8	%	70 - 130 (LCL - UCL)		

TRC Alton Geoscience	Project: 3538	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 04/03/06 09:27

Notes and Definitions

J	Estimated value
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

BC LABORATORIES INC. | SAMPLE RECEIPT FORM | Rev. No. 10 01/21/04 | Page 1 Of 1

Submission #: 06-02897 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Ice Chest ID: RIW Temperature: 3.7 °C Thermometer ID: 48 Emissivity: 1.0 Container: Q+A

Date/Time: 3/27/16 Analyst Init:

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS			/							
PT TOTAL SULFIDE			/							
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A-6	A-6	"	"	"	"	"	"	"	"
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504				/						
QT EPA 508/608/8080				/						
QT EPA 515.1/8150				/						
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
4 OZ. JAR										
2 OZ. JAR										
FOIL SLEEVE										
VOC VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: Date/Time: 3/28/16 0100

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

BC LABORATORIES, INC.

4100 Atlas Court □ Bakersfield, CA 93308
(661) 327-4911 □ FAX (661) 327-1918

CHAIN OF CUSTODY

#06-02847

Analysis Requested

Circle one: Phillips 66 / Unocal (Phillips 66 circled)

Consultant Firm: TRC

Address: 411 W. MacArthur Blvd

21 Techology Drive
Irvine, CA 92618-2302
Attn: Anju Farfan

City: Oakland

4-digit site#: 3538

Workorder # 1178TRC502

State: CA Zip:

Project #: 41050001

Phillips 66 /Unocal Mgr: Shelby Lathrop

Sampler Name: Whitman M.

MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, ~~Gas by 8015~~	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ MTBE & oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPPH by 8260B				Turnaround Time Requested
MW-2	-1		3/23/06 1350	GW	X	X									STD
MW-3	-2		3/23/06 1420	GW	X	X									↓

CHK BY | DISTRIBUTION | SUB-OUT □

Comments:

GLOBAL ID: T0600101472

Relinquished by: (Signature)	Received by:	Date & Time
[signature]	Refrigerator	1650 3/23/06
[signature]	Ross Dunlay	3/24/06 1100
Ross Dunlay	Cleo C. McAllister	3-27-06 1755
Cleo C. McAllister 3-27-06 2230	[signature]	3/27/06 2230

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

Northern CA

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the Conoc oPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R -149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid -phase hydrocarbons was accumulated separately in drums for transportation and disposal by Filter Recycling, Inc.

Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conduct ed in accordance with current practice and the standard of care exercised by geologists and e ngineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actua l conditions differ from those described in this report, our office should be notified.