

Atlantic Richfield Company

Shannon Couch
Project Manager

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RECEIVED

4:01 pm, Oct 28, 2011

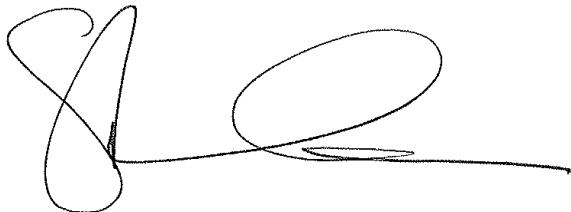
Alameda County
Environmental Health

October 17, 2011

Re: Third Quarter 2011 Status Report
Atlantic Richfield Company Station #498
286 South Livermore Avenue, Livermore, California
ACEH Case No. RO0002873

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by,



Shannon Couch
Project Manager

Attachment

THIRD QUARTER 2011 STATUS REPORT
Atlantic Richfield Company Station #498
286 South Livermore Ave., Livermore, California
ACEH Case # RO0002873

Prepared for

Ms. Shannon Couch
Project Manager
Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583

Prepared by



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October 17, 2011

Project No. 08-82-603

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Creating Valuable Solutions, Building Trust



October 17, 2011

Project No. 08-82-603

Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583
Submitted via ENFOS

Attn.: Ms. Shannon Couch

Re: Third Quarter 2011 Status Report, Atlantic Richfield Company Station #498,
286 South Livermore Ave, Livermore, California; ACEH Case #RO0002873

Dear Ms. Couch:

Provided herein is the *Third Quarter 2011 Status Report* for Atlantic Richfield Company (a BP affiliated company) Station #498 located at 286 S. Livermore Ave., Livermore, Alameda County, California (Site). This report presents a summary of current developments regarding the Site through the Third Quarter 2011.

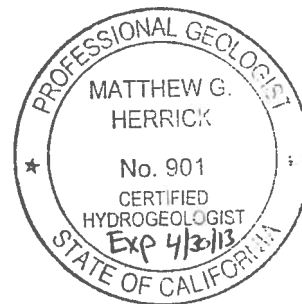
Should you have questions regarding this submission, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Jason Duda
Project Scientist

Matthew G. Herrick, P.G., C.HG.
Senior Hydrogeologist



Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health, 1131 Harbor Bay Parkway,
Suite 250, Alameda, CA 84502 (Submitted via ACEH ftp Site)
Electronic copy uploaded to GeoTracker

**THIRD QUARTER 2011
STATUS REPORT
STATION #498, LIVERMORE, CA**

Broadbent & Associates, Inc. (BAI) is pleased to present this *Third Quarter 2011 Status Report* on behalf of Atlantic Richfield Company (a BP affiliated company) for Station #498 located in Livermore, Alameda County, California. Reporting is being submitted to the Alameda County Environmental Health Services Agency (ACEH) consistent with their requirements under the legal authority of the California Regional Water Quality Control Board as codified by California Code of Regulations Title 23, Section 2652(d). A summary description of current developments regarding the site is provided below.

Facility Name / Address:	<u>Station #498 / 286 South Livermore Avenue, Livermore, California</u>
Client Project Manager / Title:	<u>Ms. Shannon Couch / Project Manager</u>
BAI Contact:	<u>Jason Duda, (530) 566-1400</u>
BAI Project No.:	<u>08-82-603</u>
Primary Regulatory Agency / ID No.:	<u>ACEH, Case #RO0002873</u>
Current phase of project:	<u>Monitoring and Off-site Assessment</u>
List of Acronyms / Abbreviations:	<u>See end of report text for list of acronyms/abbreviations used in report.</u>

WORK PERFORMED THIS QUARTER (Third Quarter 2011):

1. Prepared and submitted the *Second Quarter 2011 Semi-Annual Groundwater Monitoring Report* (BAI, 7/29/2011)
2. No environmental field work was conducted at the Site during the Third Quarter 2011.

WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2011):

1. Prepared and submitted this *Third Quarter 2011 Status Report* (contained herein).
2. Conduct semi-annual groundwater monitoring/sampling for Fourth Quarter 2011.
3. Conduct soil and groundwater investigation upon obtaining off-site property access.

GROUNDWATER MONITORING PLAN SUMMARY:

Groundwater level gauging:	<u>MW-1 through MW-4</u>	(2Q & 4Q)
Groundwater sample collection:	<u>MW-1 through MW-4</u>	(2Q & 4Q)
Biodegradation indicator parameter monitoring:	<u>NA</u>	

DISCUSSION:

No environmental field activities took place at the Site during Third Quarter 2011. For reference, a Site Location Map is provided as Drawing 1. Provided as Drawing 2 is the Groundwater Elevation Contours and Analytical Summary Map from the *Second Quarter 2011 Semi-Annual Groundwater Monitoring Report* (BAI, 7/29/2011). The next ground-water monitoring and sampling event is scheduled to be conducted during the Fourth Quarter 2011.

In their letter dated August 12, 2010, ACEH approved the *Soil and Ground-Water Investigation Work Plan Addendum* submitted by BAI on April 12, 2010. Off-site property access is required in order to complete the scope of work detailed in the Work Plan. Contact with the owner of the property located

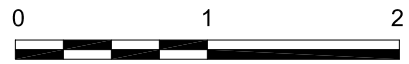
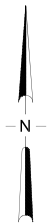
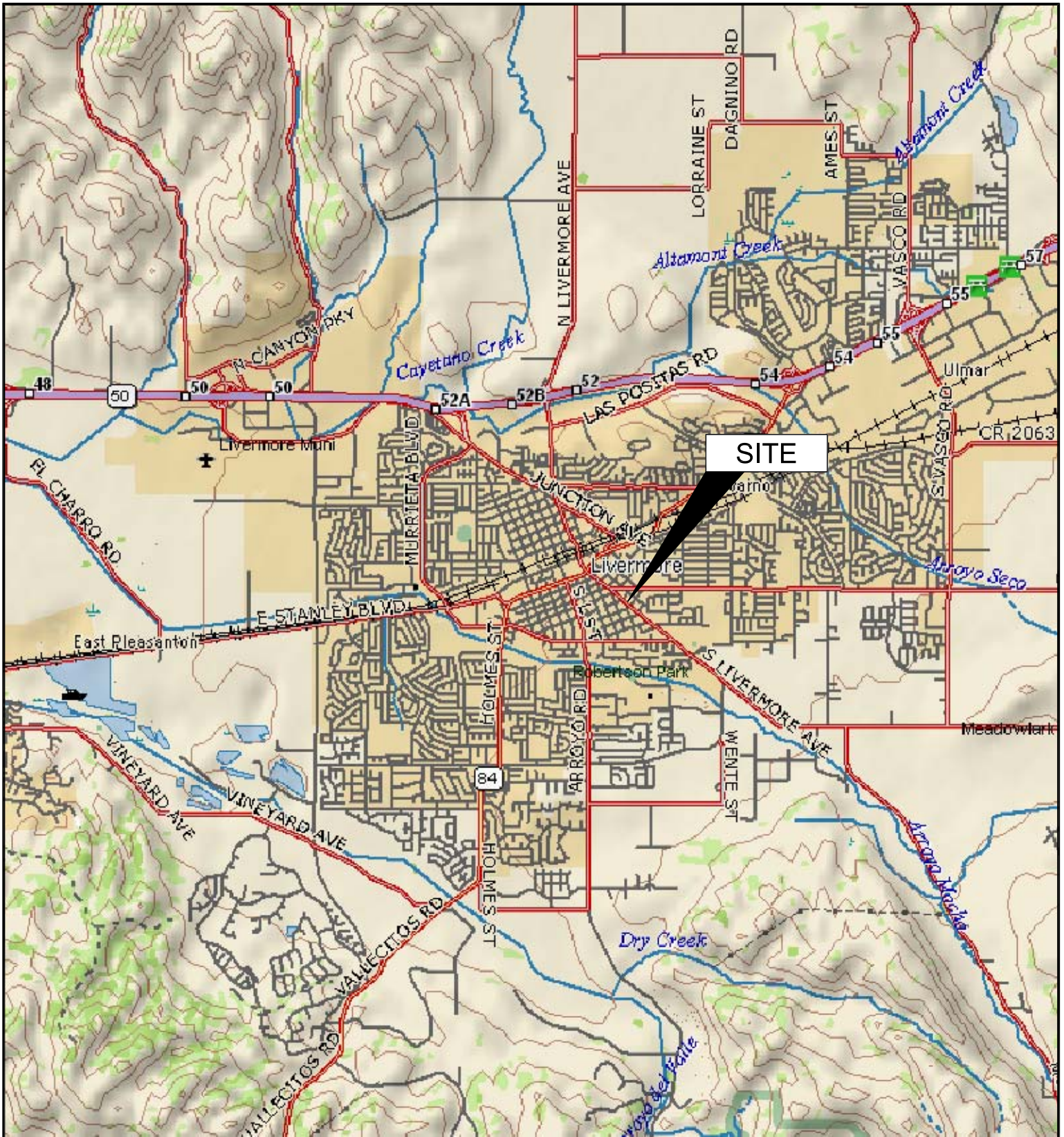
immediately northwest of the Site has been made on numerous occasions. However, the property owner has recently sought legal advice and requested additional amendments to the property access agreement relating to the investigation. Further communication with the property owner will be attempted during Fourth Quarter 2011. In email correspondence dated November 4, 2010, ACEH approved a request to postpone the previous deadline of November 10, 2010 established for the submittal of the Soil and Water Investigation Report until official property access is obtained.

ATTACHMENTS:

- Drawing 1 Site Location Map, Station #498, 286 South Livermore Avenue, Livermore, California
- Drawing 2. Groundwater Elevation Contours and Analytical Summary Map, May 25, 2011,
 Station #498, 286 South Livermore Avenue, Livermore, California

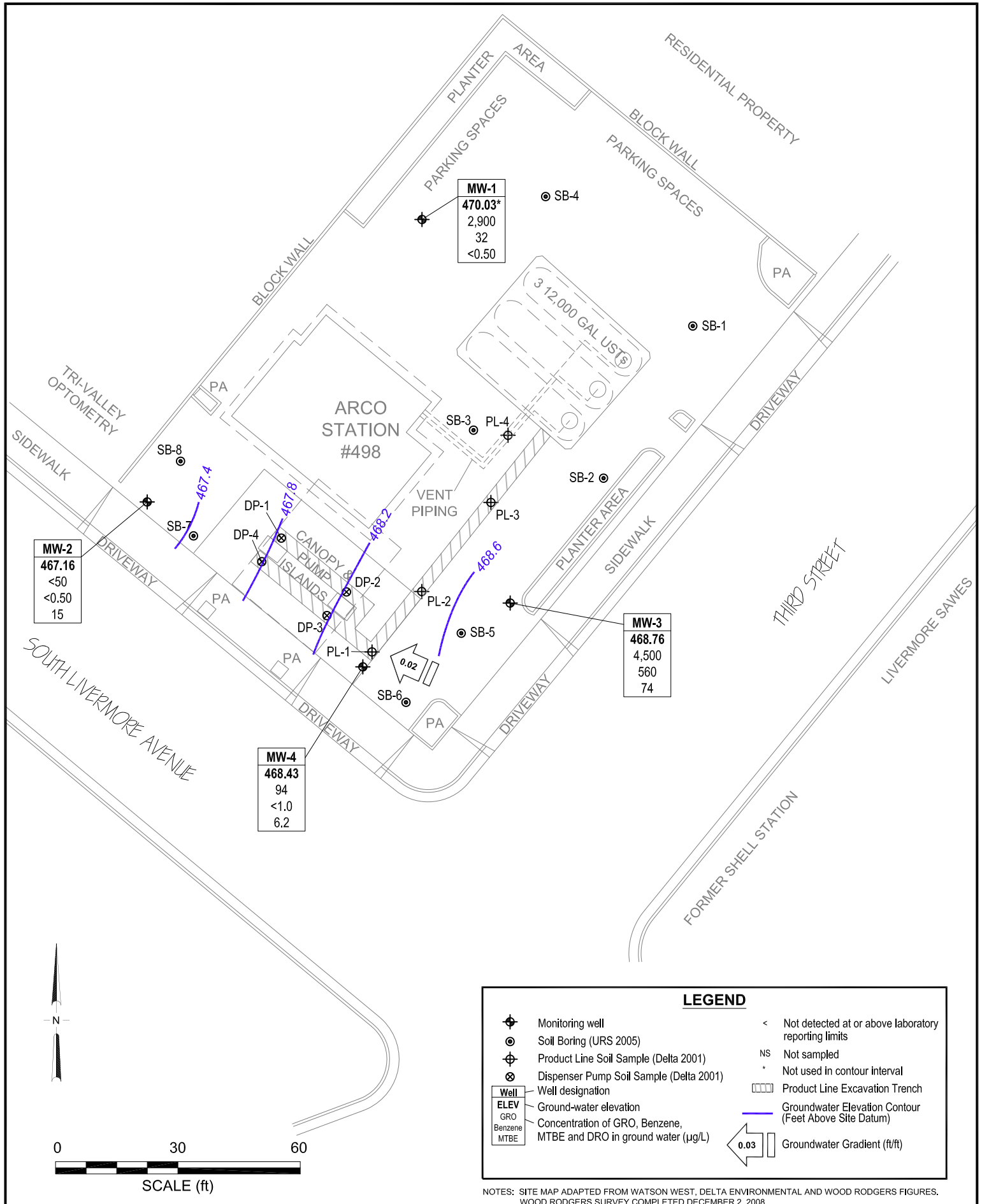
LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:

ACEH:	Alameda County Environmental Health	ft/ft:	feet per foot
BAI:	Broadbent & Associates, Inc.	gal:	Gallons
BTEX:	Benzene, Toluene, Ethylbenzene, Total Xylenes	GRO:	Gasoline-Range Organics
1,2-DCA:	1,2-Dichloroethane	LNAPL:	Light Non-Aqueous Phase Liquid
DIPE:	Di-Isopropyl Ether	MTBE:	Methyl Tertiary Butyl Ether
DO:	Dissolved Oxygen	NO ₃ :	Nitrate as Nitrogen
DRO:	Diesel-Range Organics	ppb:	parts per billion
EDB:	1,2-Dibromomethane	SO ₄ :	Sulfate



APPROXIMATE SCALE (mi)

IMAGE SOURCE: DELORME



LEGEND

⊕	Monitoring well	<	Not detected at or above laboratory reporting limits
⊙	Soil Boring (URS 2005)	NS	Not sampled
⊕	Product Line Soil Sample (Delta 2001)	*	Not used in contour interval
⊕	Dispenser Pump Soil Sample (Delta 2001)	▭	Product Line Excavation Trench
⊕	Well designation	—	Groundwater Elevation Contour (Feet Above Site Datum)
ELEV	Ground-water elevation	↔	Groundwater Gradient (ft/ft)
GRO	Concentration of GRO, Benzene, MTBE and DRO in ground water (µg/L)		
Benzene			
MTBE			

NOTES: SITE MAP ADAPTED FROM WATSON WEST, DELTA ENVIRONMENTAL AND WOOD RODGERS FIGURES. WOOD RODGERS SURVEY COMPLETED DECEMBER 2, 2008.