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By Alameda County Environmental Health at 10:54 am, Aug 01, 2014

Atlantic Richfield Company

Chuck Carmel

Remediation Management Project Manager

PO Box 1257
San Ramon, CA 94583
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E-Mail: chuck.carmel@bp.com

July 30, 2014

Re: Second Quarter 2014 Quarterly Status Report
Atlantic Richfield Company Station No. 2107
3310 Park Boulevard, Oakland, California
ACEH Case #RO0002526

"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,



Chuck Carmel

Remediation Management Project Manager

Attachment:



BROADBENT

4820 Business Center Drive, Suite 110
Fairfield, CA 94534
[T] 707-455-7290 [F] 707-863-9046
broadbentinc.com

Creating Solutions. Building Trust.

July 30, 2014

Project No. 06-88-614

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


Attn.: Mr. Chuck Carmel

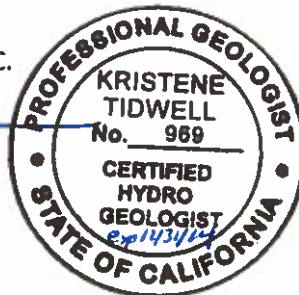
Re: Second Quarter 2014 Status Report, Atlantic Richfield Company Station No. 2107, 3310
Park Boulevard, Oakland, Alameda County, California; ACEH Case #RO0002526

Dear Mr. Carmel:

Attached is the *Second Quarter 2014 Status Report* for Atlantic Richfield Company Station No. 2107 located at 3310 Park Boulevard, Oakland, Alameda County, California (Site). This report presents a summary of current developments at the Site through the Second Quarter of 2014. Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (707) 455-7290.

Sincerely,
BROADBENT & ASSOCIATES, INC.


Kristene Tidwell, P.G., C.H.G.
Senior Hydrogeologist



Enclosures

cc: Mr. Jerry Wickham, Alameda County Environmental Health (submitted via ACEH ftp site)
Electronic copy uploaded to GeoTracker

**SECOND QUARTER 2014
STATUS REPORT
STATION No. 2107, OAKLAND, CALIFORNIA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Second Quarter 2014 Status Report* on behalf of Atlantic Richfield Company (a BP affiliated company) for Station No. 2107 located in Oakland, Alameda County, California (Site). Monitoring activities at the site were performed in accordance with the reporting requirements issued by the Alameda County Environmental Health (ACEH). Details of work performed, discussion of results, and recommendations are provided below.

Facility Name / Address:	Station No. 2107 / 3310 Park Boulevard, Oakland, California
Client Project Manager / Title:	Mr. Chuck Carmel, Remediation Management Project Manager
Broadbent Contact:	Kristene Tidwell, P.G., C.Hg., (707) 455-7290
Broadbent Project No.:	06-88-614
Primary Regulatory Agency / ID No.:	ACEH / Case #RO0002526
Current phase of project:	Monitoring
List of Acronyms / Abbreviations:	See end of report text for list of acronyms/abbreviations used in report.

WORK PERFORMED THIS QUARTER (Second Quarter 2014):

1. Submitted *First Quarter 2014 Monitoring Report* on April 30, 2014 (Q1 GWM Report).
2. No other environmental field activities were conducted during the Second Quarter 2014.

WORK SCHEDULED FOR NEXT QUARTER (Third Quarter 2014):

1. Submit *Second Quarter 2014 Status Report* (contained herein).
2. Upon ACEH concurrence with the recently submitted closure request, well decommissioning activities will be carried out.
3. No other environmental work activities are scheduled for the Third Quarter 2014.

GROUNDWATER MONITORING PLAN SUMMARY:

Groundwater level gauging:	Suspended	(1Q & 3Q)
Groundwater sample collection:	Suspended	(1Q & 3Q)
Biodegradation indicator parameter monitoring:	None	

QUARTERLY RESULTS SUMMARY:

LNAPL

LNAPL observed this quarter:	N/A	(yes\no)
LNAPL recovered this quarter:	N/A	(gal)
Cumulative LNAPL recovered:	N/A	(gal)

Groundwater Elevation and Gradient:

Depth to groundwater:	N/A	(ft below TOC)
Gradient direction:	N/A	(compass direction)
Gradient magnitude:	N/A	(ft/ft)
Average change in elevation:	N/A	(ft since last measurement)

Laboratory Analytical Data

Summary:

No routine groundwater monitoring and sampling activities were conducted during Second Quarter 2014.

DISCUSSION:

The most recent groundwater monitoring/sampling occurred during the First Quarter of 2014, the results of which are contained within the Q1 GWM Report. In the first quarter of 2014 Broadbent submitted a Downgradient Groundwater Investigation, CSM and Closure Request on March 26, 2014 ACEH responded by letter with a subject of Landowner and Public Notification for this Site, approving the distribution of an Invitation to Comment – Potential Case Closure to distribute to the surrounding community in order to initiate public comment period. After end of public comment period concludes and approval of ACEH, well decommissioning activities will be executed.

A site location map is presented as Drawing 1 and a groundwater elevation and analytical summary map from the most recent first quarter sampling is provided as Drawing 2.

LIMITATIONS:

The findings presented in this report are based upon observations of field personnel, points investigated, results of laboratory tests performed by TestAmerica Laboratories, Inc. (Irvine, California), and our understanding of ACEH requirements. Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of the Atlantic Richfield Company. It is possible that variations in soil or groundwater conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

ATTACHMENTS:

- Drawing 1: Site Location Map
Drawing 2: Groundwater Elevation Contours and Analytical Summary Map, March 6, 2014.

LIST OF COMMONLY USED ACRONYMS/ABBREVIATIONS:

ACEH:	Alameda County Environmental Health	ft/ft:	feet per foot
Broadbent:	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
Eh:	Oxidation Reduction Potential	TAME:	Tert-Amyl Methyl Ether
EPA:	Environmental Protection Agency	TBA:	Tertiary Butyl Ether
ETBE:	Ethyl Tertiary Butyl Ether	TOC:	Top of Casing
Fe ²⁺ :	Ferrous Iron	µg/L:	micrograms per liter

DRAWINGS

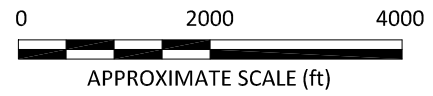
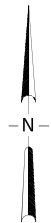
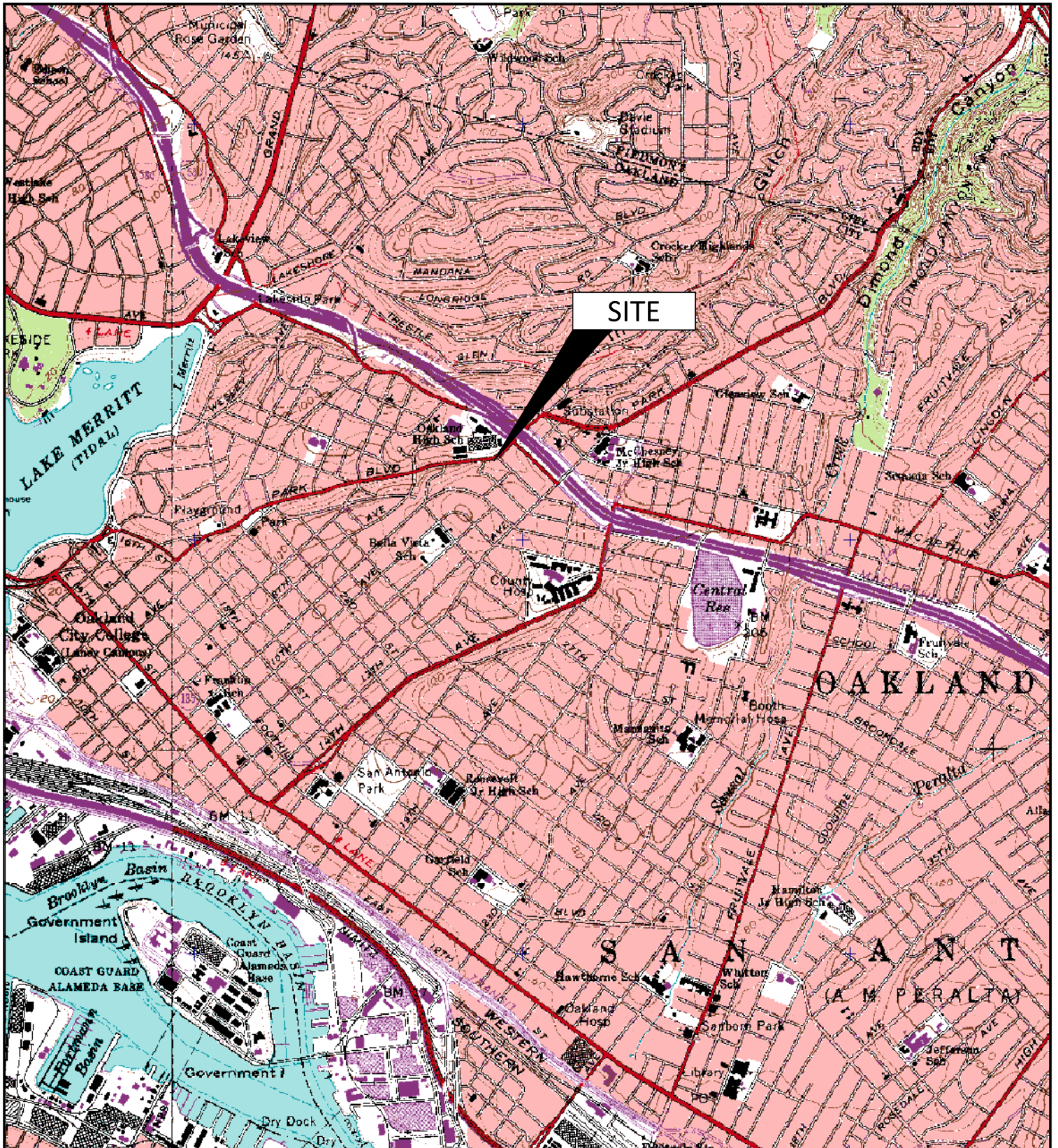


IMAGE SOURCE: USGS



1370 Ridgewood Dr., Suite 5
Chico, California 95973

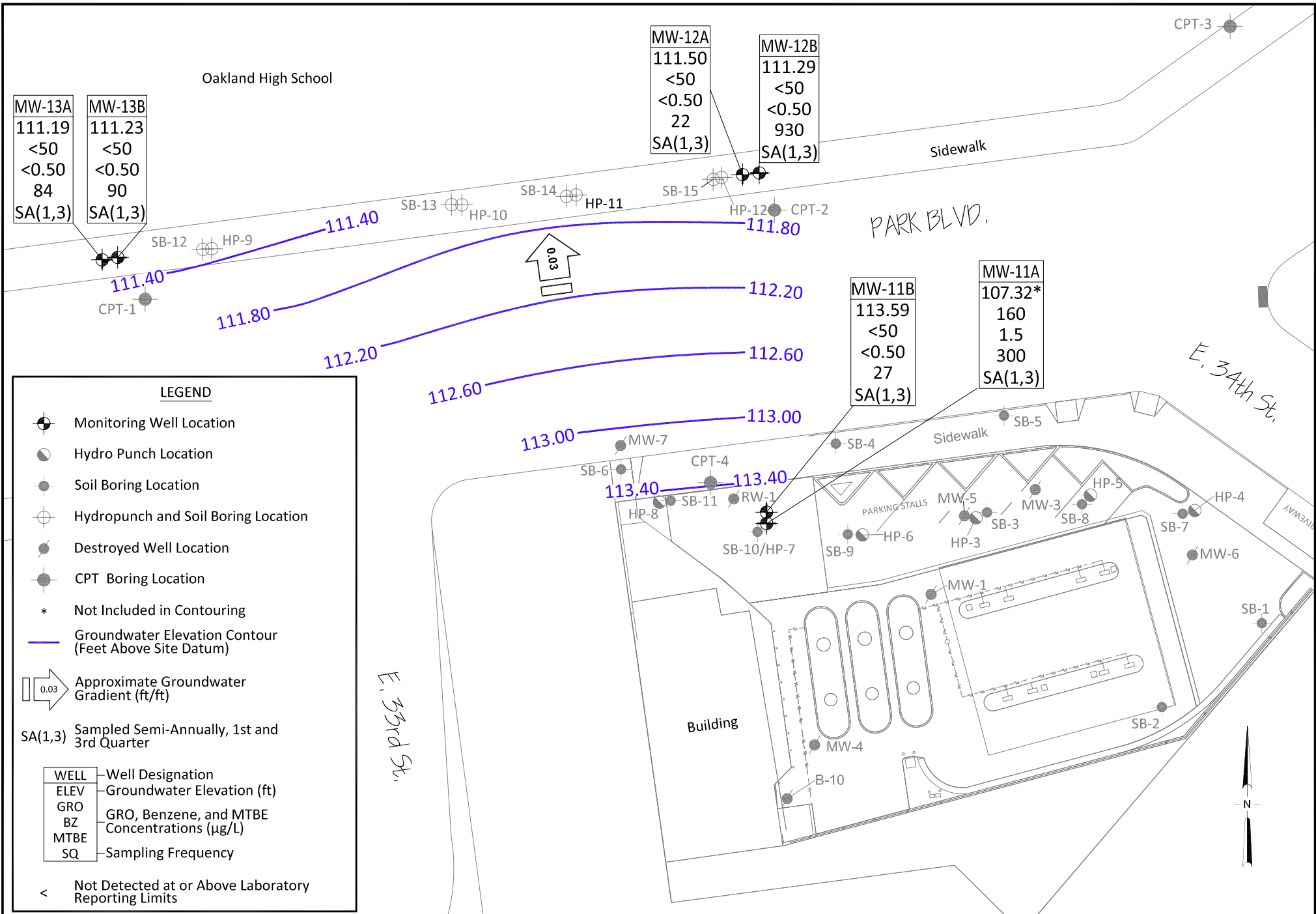
Project No.: 06-88-614 Date: 10/08/2013

Station No.2107
3310 Park Boulevard
Oakland, California

Site Location Map

Drawing

1



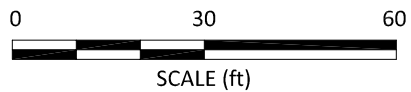
MW-13A	MW-13B
111.19	111.23
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<0.50	<0.50
84	90
SA(1,3)	SA(1,3)

MW-12A
111.50
<50
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22
SA(1,3)

MW-12B
111.29
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<0.50
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SA(1,3)

MW-11B
113.59
<50
<0.50
27
SA(1,3)

MW-11A
107.32*
160
1.5
300
SA(1,3)



BROADBENT
 1370 Ridgewood Dr., Suite 5
 Chico, California 95973
 Project No.: 06-88-614 Date: 04/15/2014

Station No. 2107
 3310 Park Boulevard
 Oakland, California

Groundwater Elevation Contour and
 Analytical Summary Map
 March 6, 2014

Drawing

2