GW – 355

2012 GW MONITOR REPORT

06/11/2013

Cypress Engineering

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June 11, 2013

Mr. Glenn von Gonten
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Report of 2012 Groundwater Remediation Activities
Bell Lake Plant Remediation Site
Transwestern Pipeline Company, LLC
Lea County, New Mexico
Case # GW-355

Dear Glenn,

Enclosed for your review is the annual Report of 2012 Groundwater Remediation Activities for the Bell Lake Plant remediation site. This report includes the results of groundwater monitoring and remediation work completed at the site during 2012.

If you have any questions or comments regarding the reports, please contact me at (281) 797-3420 or Larry Campbell at (575) 625-8022.

Sincerely,

George Robinson

George C. Robinson, PE
President/Principal Engineer

xc w/attachment:	Stacy Boultinghouse	Transwestern (San Antonio, TX)
	Larry Campbell	Transwestern (Roswell, NM)
	Geoffrey R Leking	NMOCD Hobbs District Office
	Steve Ikeda	New Mexico State Land Office

Report of 2012 Groundwater Remediation Activities

Transwestern Pipeline Company, LLC
Bell Lake Gas Plant
Lea County, New Mexico

CASE # GW-355

Submitted to:
New Mexico Oil Conservation Division

June 10, 2013

Prepared For:
Transwestern Pipeline Company
6381 North Main Street
Roswell, NM 88201

Prepared by:
Cypress Engineering Services, Inc.
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Houston, Texas 77095

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1. Introduction

The last report of groundwater remediation activities covered activities completed through December 2011. This report presents a summary of monitoring and remediation activities completed between January 2012 and December 2012.

2. Groundwater Monitoring Activities

2.1 Semi-Annual Groundwater Sampling Events

Two semi-annual groundwater sampling events have been completed during the reporting period. These events were completed in April 2012 and October 2012.

Prior to sampling, the depth to water, and the depth to hydrocarbon where phase-separated hydrocarbons (PSH) were present, was determined for each monitoring well. The measured depth to water and the corresponding water table elevation for each monitoring well is presented in Table 1.

In the course of each sample event, groundwater samples were collected from selected monitoring and soil vapor extraction (SVE) wells in accordance with the sampling analysis plan. In addition, groundwater samples were collected from the on-site water well. Samples were not collected from wells with accumulated PSH in the well casing. Groundwater samples were delivered to a laboratory for analysis for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method 8021B, selected metals by EPA Method 6010B, total dissolved solids (TDS) by SM 2540C, and chlorides by EPA Method 300.0.

A summary of laboratory results for BTEX constituents and field measured groundwater quality parameters (pH, temperature, electrical conductivity and dissolved oxygen) is presented in Table 2. A summary of laboratory results for inorganic constituents is presented in Table 3. A copy of the laboratory reports is included in Appendix G.

2.2 Results/Conclusions from Groundwater Sampling Events

2.2.1 Occurrence and Direction of Groundwater Flow

A water table elevation map based on measurements obtained in the course of the October 2012 sampling event is included as Figure 2. The apparent direction of groundwater flow is toward the southeast and is consistent with water table elevation maps previously developed for this site.

A hydrograph for selected monitoring wells with no accumulated PSH is included in Appendix A. The hydrograph presents a history of water table elevation change since depth to water measurements were first recorded at the site in 1993. It is apparent from the hydrograph that the water table elevation has fluctuated by less than about 0.5 feet during the recorded timeframe.

2.2.2 Lateral Extent of Phase Separated Hydrocarbon

During 2012, the lateral extent of PSH was defined by the occurrence of PSH in wells MW-4, SVE-3, and SVE-8. In addition, PSH occurred intermittently in wells SVE-1 and SVE-13. The thickness of accumulated PSH in wells is presented in Table 1 and in hydrographs presented in Appendix B.

The volume and lateral extent of PSH in the area appears to be relatively limited. The lateral distribution of PSH measured in wells in the course of the December 2012 sampling event is presented in Figure 3. Also indicated in Figure 3 is the estimated maximum extent of PSH measured at the site in December 1999. The current lateral extent of PSH covers a considerably smaller area than the estimated maximum extent indicating that the SVE system has effectively reduced the size of the impacted area.

The thickness of PSH accumulated in wells has decreased significantly since remediation efforts began in 1996. This is shown graphically in the hydrographs presented in Appendix B. The decrease in PSH thickness has been observed in all nine wells that had initially indicated PSH in the well casing. In recent years, a measurable thickness of PSH has persisted in just four wells; wells MW-4, SVE-3, SVE-8, and SVE-13. In October 2012, a sheen of PSH was measured in well MW-4, 0.01 feet of PSH in well SVE-3, 0.57 feet of PSH in well SVE-8, and no PSH in well SVE-13.

2.2.3 Condition of Affected Groundwater

Elevated concentrations of benzene, TDS, and chlorides continue to be the primary constituents of concern at the site. The lateral distribution of BTEX constituents dissolved in groundwater is presented in Figure 4. The lateral distribution of inorganic constituents dissolved in groundwater is presented in Figure 5.

Concentration history plots for benzene and pH at selected wells are included in Appendix C. Similarly, concentration history plots for TDS and chlorides at selected wells are included in Appendix D.

The condition of affected groundwater has not changed significantly from previous sampling events. Generally, over the previous six year period, benzene concentrations have been stable or declining at all well locations with one possible exception, at well MW-10. The benzene concentration at well MW-10 has increased slightly from 34 ug/L in December 2005 to 43 ug/L in April 2012.

Similarly, over the previous six year period, TDS concentrations have been stable or declining at all well locations with just one exception, at well MW-12. At well MW-12, the TDS concentration has increased from 860 mg/L in April 2005 to 2320 mg/L in December 2012. The TDS concentration at well MW-13, located at the downgradient toe of the plume, has remained relatively stable over the previous six year period.

3. Status of Remediation Activities

3.1 Remediation Activities Completed through December 2012

The following remediation activities were completed during the reporting period:

1) Operation of the SVE system is limited to the warmer weather months. Condensed water collecting in the SVE conveyance lines during cold weather made the system ineffective. The SVE system operated from July 3, 2012 through October 11, 2012.

2) Four vapor samples were collected from the SVE system during 2012. A summary of laboratory results for the SVE system is presented in Table 4. A concentration history plot for SVE vapor samples is included in Appendix E. It is apparent from the concentration history plot that the concentration of Volatile Organic Compounds (VOCs) has declined significantly since the remediation system was first placed in-service in June 1996. Laboratory results for SVE system samples also indicate that during 2012, the system was removing VOCs from the subsurface at an estimated rate of 25 gallons equivalent per month. A copy of the laboratory reports for SVE samples is included in Appendix F.

4. Proposed Modifications

4.1 Modifications to the Routine Groundwater Sampling Plan

Sampling location, frequency and the sampling analysis plan (SAP) will continue on a semi-annual basis. A summary of the sample analysis plan is presented in Table 6.

4.2 Modifications to the Remediation System

Transwestern does not plan to operate the SVE system during 2013. SVE system monitoring results have indicated that the VOC content in extracted vapor has declined from an initial high of 4,000 ug/L in January 1998 to a low of 140 ug/L in October 2012 (a 96% reduction in VOC content). A summary of SVE system monitoring results is presented in Table 4; and a concentration history plot for SVE system sample results is presented in Appendix E. During 2012, the estimated equivalent total liquid recovery rate was about 25 gallons per month; this is based on the average VOC content measured in 2012 of 210 ug/L and the system design extraction rate of 260 scfm. The low effective recovery rate indicates that operation of the SVE system is no longer an effective means for continued remediation at the site.

During 2013, Transwestern will continue to conduct semi-annual sampling to evaluate any rebound associated with not operating the SVE system. If warranted, the SVE system will be restarted. Any changes in planned operation of the system will be presented in the next annual groundwater report.

4.3 Reporting Frequency

Reporting of groundwater monitoring and remediation activities will continue on an annual basis.

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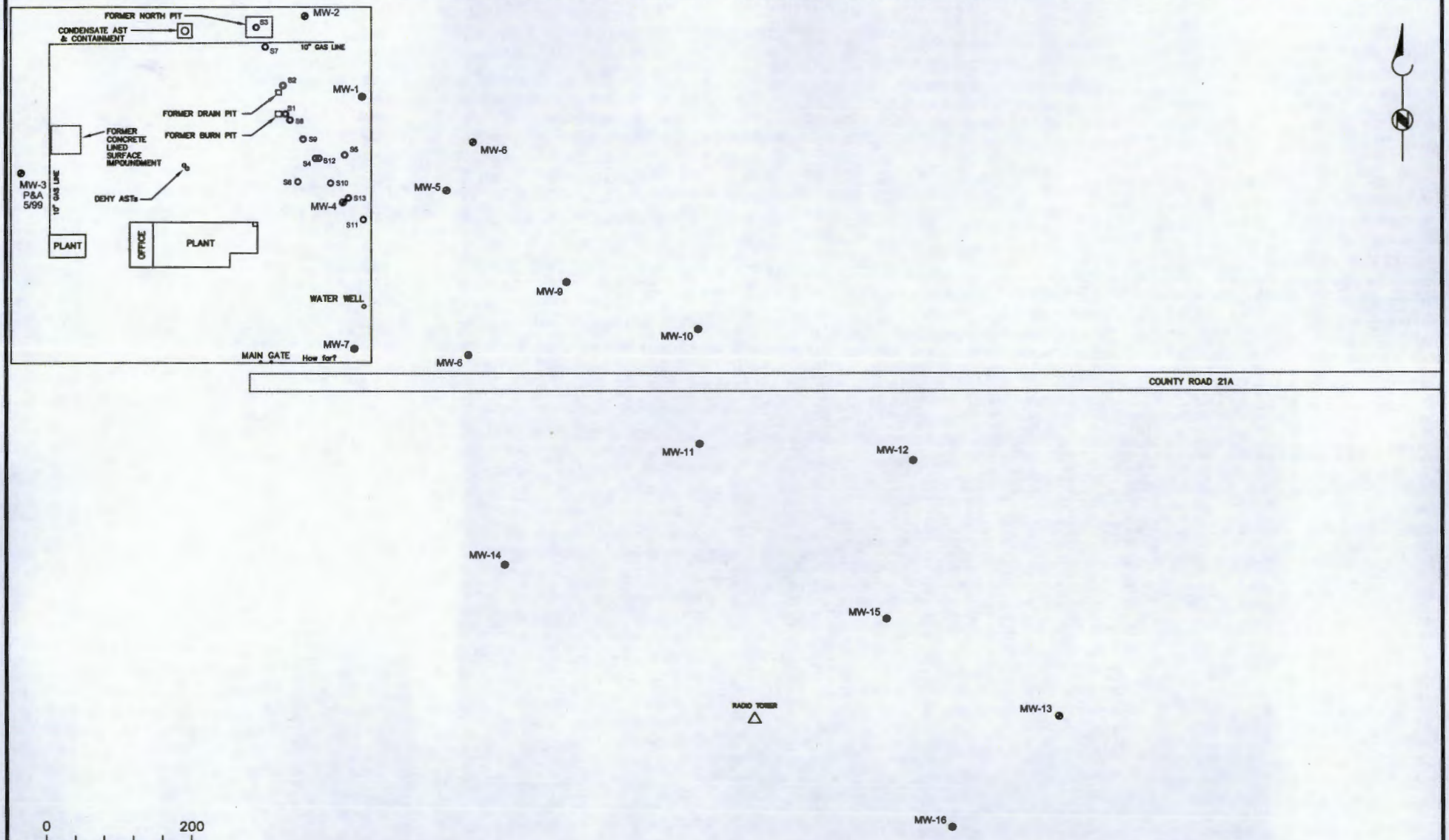

FIGURE 1

SITE MAP

TRANSWESTERN PIPELINE COMPANY

BELL LAKE PLANT

CYPRESS ENGINEERING SERVICES, INC.

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FIGURE 2

GROUNDWATER SURFACE ELEVATION
October 2012

TRANSWESTERN PIPELINE COMPANY
BELL LAKE PLANT

CYPRESS ENGINEERING SERVICES, INC.

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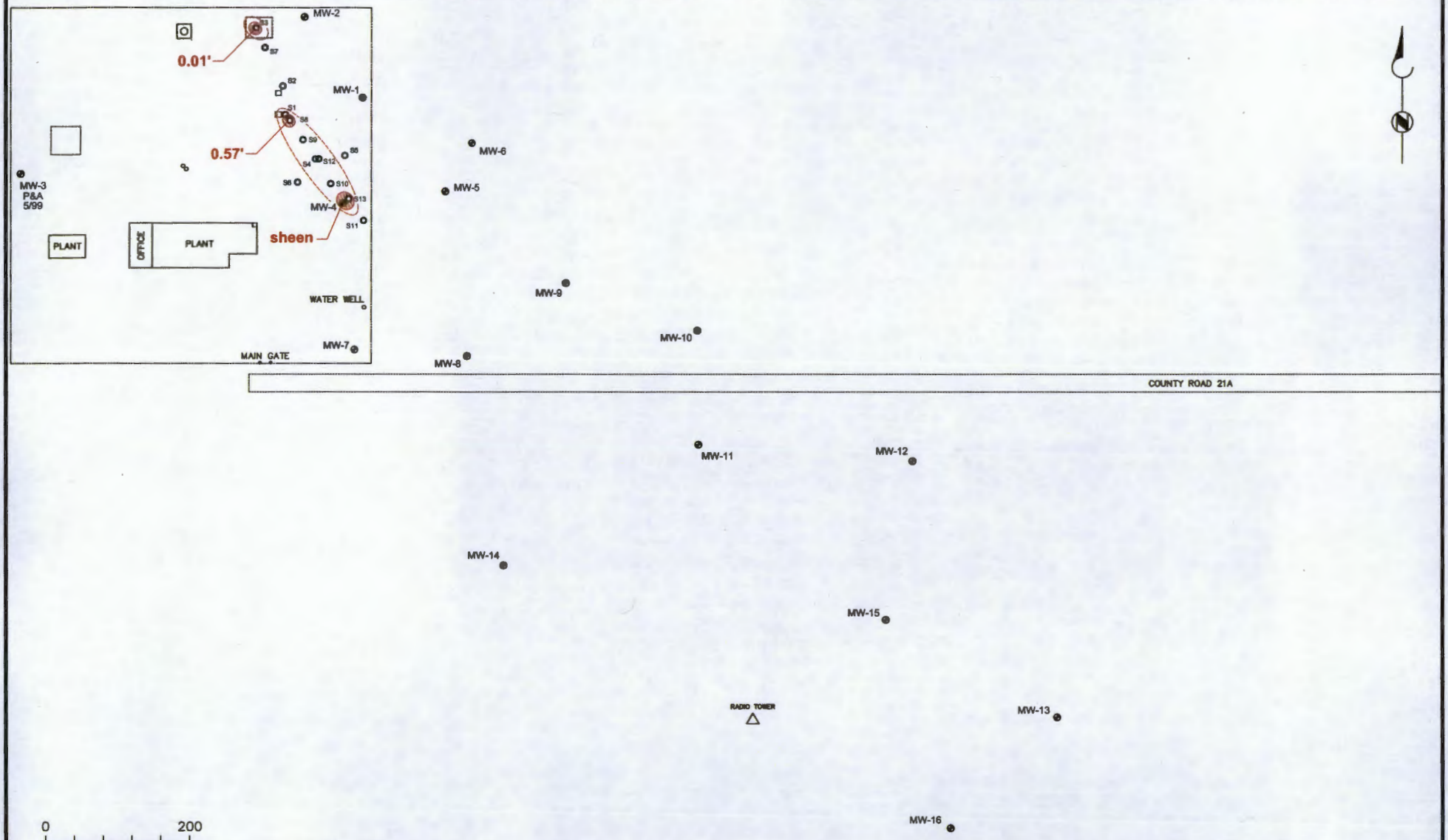

LEGEND

- Monitoring Well
- SVE Well
- Estimated Area of PSH Oct '12 (Phase Separated Hydrocarbon)
- Estimated Area of PSH Dec '99

CYPRESS ENGINEERING SERVICES, INC.

FIGURE 3

DISTRIBUTION OF PSH ON GROUNDWATER
October 2012

TRANSWESTERN PIPELINE COMPANY
BELL LAKE PLANT

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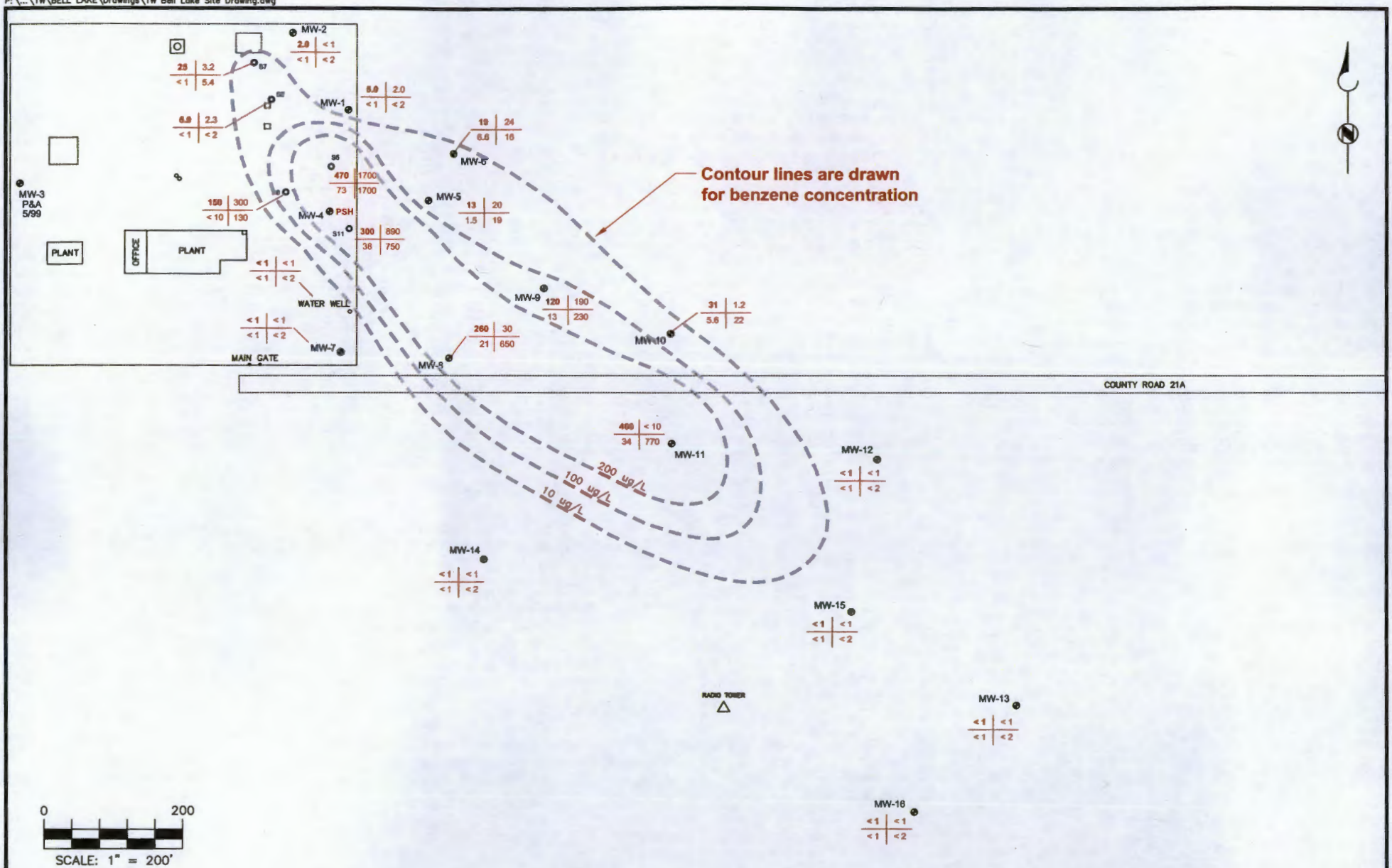

FIGURE 4

DISTRIBUTION OF BTEX COMPOUNDS IN GROUNDWATER - October 2012

TRANSWESTERN PIPELINE COMPANY
BELL LAKE PLANT

CYPRESS ENGINEERING SERVICES, INC.

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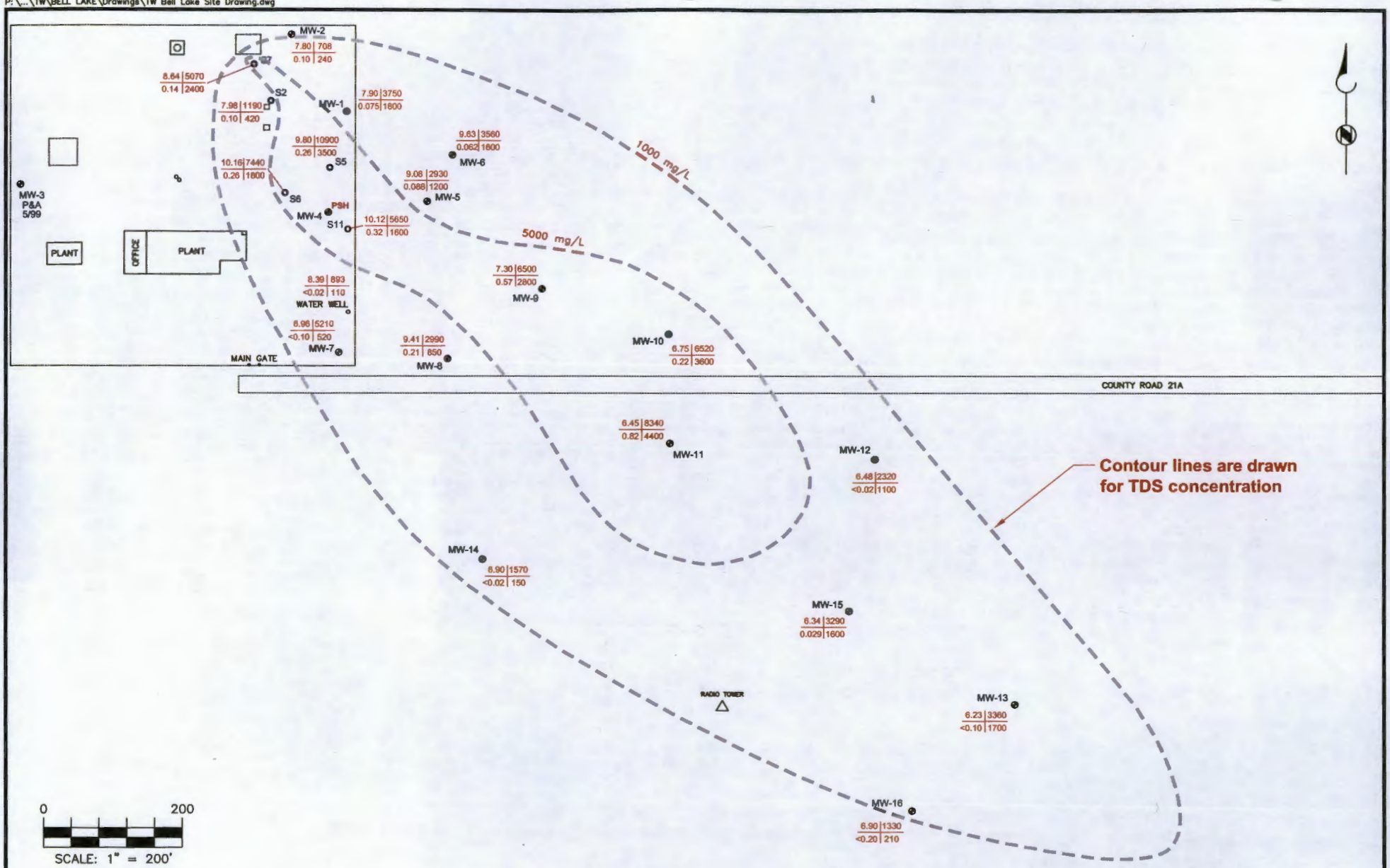


LEGEND

- Monitoring Well
- PSH — Phase Separated Hydrocarbon
- pH | TDS / As | Cl — Inorganic Constituents (mg/L)

FIGURE 5

DISTRIBUTION OF INORGANIC CONSTITUENTS IN GROUNDWATER - October 2012

TRANSWESTERN PIPELINE COMPANY
BELL LAKE PLANT

CYPRESS ENGINEERING SERVICES, INC.

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-1	10/24/93	3635.37 (c)	(a)	88.97	(a)	3546.40
	12/08/94		(a)	89.38	(a)	3545.99
	05/31/95		(a)	89.18	(a)	3546.19
	12/12/95		(a)	89.27	(a)	3546.10
	02/20/96		(a)	89.24	(a)	3546.13
	05/15/96		(a)	89.21	(a)	3546.16
	08/14/96		(a)	89.32	(a)	3546.05
	11/12/96		(a)	89.10	(a)	3546.27
	02/07/97		(a)	89.35	(a)	3546.02
	08/08/97		(a)	89.22	(a)	3546.15
	01/09/98		(a)	89.41	(a)	3545.96
	02/24/98*		(a)	89.21	(a)	3546.16
	08/03/98*		(a)	89.40	(a)	3545.97
	02/10/99*		(a)	89.40	(a)	3545.97
	08/10/99*		(a)	89.39	(a)	3545.98
	02/14/00*		(a)	89.51	(a)	3545.86
	10/17/00*		(a)	89.53	(a)	3545.84
	02/15/01*		(a)	89.51	(a)	3545.86
	08/08/01		(a)	89.52	(a)	3545.85
	03/15/02*		(a)	89.49	(a)	3545.88
	08/05/02*		(a)	89.46	(a)	3545.91
	01/14/03*		(a)	89.61	(a)	3545.76
	10/13/03*		(a)	89.61	(a)	3545.76
	05/26/04*		(a)	89.70	(a)	3545.67
	11/10/04*		(a)	89.57	(a)	3545.80
	04/13/05*		(a)	89.58	(a)	3545.79
	11/29/05*		(a)	89.45	(a)	3545.92
	05/08/06*		(a)	89.35	(a)	3546.02
	12/11/06*		(a)	89.37	(a)	3546.00
	06/18/07*		(a)	89.25	(a)	3546.12
	12/05/07*		(a)	89.38	(a)	3545.99
	05/20/08*		(a)	89.30	(a)	3546.07
	12/08/08*		(a)	89.37	(a)	3546.00
	04/30/09*		(a)	89.36	(a)	3546.01
	01/27/10*		(a)	89.47	(a)	3545.90
	11/15/10*		(a)	89.46	(a)	3545.91
	05/17/11*		(a)	89.52	(a)	3545.85
	12/12/11*		(a)	89.64	(a)	3545.73
	04/23/12*		(a)	89.64	(a)	3545.73
	10/16/12*		(a)	89.65	(a)	3545.72

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-2	10/19/93	3634.62 (c)	(a)	88.02	(a)	3546.60
	12/08/94		(a)	88.15	(a)	3546.47
	05/31/95		(a)	88.23	(a)	3546.39
	12/12/95		(a)	88.31	(a)	3546.31
	02/20/96		(a)	88.29	(a)	3546.33
	05/15/96		(a)	88.27	(a)	3546.35
	08/14/96		(a)	88.39	(a)	3546.23
	11/12/96		(a)	88.10	(a)	3546.52
	02/07/97		(a)	88.37	(a)	3546.25
	08/08/97		(a)	88.27	(a)	3546.35
	01/09/98	3634.68 (d)	(a)	88.42	(a)	3546.26
	02/24/98*		(a)	88.30	(a)	3546.38
	08/03/98*		(a)	88.42	(a)	3546.26
	02/10/99*		(a)	88.43	(a)	3546.25
	08/10/99*		(a)	88.53	(a)	3546.15
	02/14/00*	3634.68 (f)	(a)	88.63	(a)	3546.05
	10/17/00*		(a)	88.65	(a)	3546.03
	02/15/01*		(a)	88.51	(a)	3546.17
	08/08/01		(a)	88.69	(a)	3545.99
	03/15/02*		(a)	88.59	(a)	3546.09
	08/05/02*		(a)	88.62	(a)	3546.06
	01/14/03*		(a)	88.72	(a)	3545.96
	10/13/03*		(a)	88.70	(a)	3545.98
	05/26/04*		(a)	88.75	(a)	3545.93
	11/10/04*		(a)	88.73	(a)	3545.95
	04/13/05*		(a)	88.71	(a)	3545.97
	11/29/05*		(a)	88.60	(a)	3546.08
	05/08/06*		(a)	88.47	(a)	3546.21
	12/11/06*		(a)	88.42	(a)	3546.26
	06/18/07*		(a)	88.39	(a)	3546.29
	12/05/07*		(a)	88.47	(a)	3546.21
	05/20/08*		(a)	88.43	(a)	3546.25
	12/08/08*		(a)	88.47	(a)	3546.21
	04/30/09*		(a)	88.45	(a)	3546.23
	01/27/10*		(a)	88.54	(a)	3546.14
	11/15/10*		(a)	88.58	(a)	3546.10
	05/17/11*		(a)	88.63	(a)	3546.05
	12/12/11*		(a)	88.75	(a)	3545.93
	04/23/12*		(a)	88.73	(a)	3545.95
	10/16/12*		(a)	88.73	(a)	3545.95

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-3	10/20/93	3639.64 (c)	(a)	92.96	(a)	3546.68
	12/08/94		(a)	93.08	(a)	3546.56
	05/31/95		(a)	93.17	(a)	3546.47
	12/12/95		(a)	93.24	(a)	3546.40
	02/20/96		(a)	93.20	(a)	3546.44
	05/15/96		(a)	93.20	(a)	3546.44
	08/14/96		(a)	93.31	(a)	3546.33
	11/12/96		(a)	93.30	(a)	3546.34
	02/07/97		(a)	93.31	(a)	3546.33
	08/08/97		(a)	93.27	(a)	3546.37
	01/09/98		(a)	93.40	(a)	3546.24
	02/24/98*		(a)	93.28	(a)	3546.36
	08/03/98*		(a)	93.41	(a)	3546.23

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-4	12/08/94	3636.05 (c)	(a)	89.90	(a)	3546.15
	05/31/95		(a)	89.97	(a)	3546.08
	12/12/95		(a)	90.05	(a)	3546.00
	02/20/96		(a)	90.05	(a)	3546.00
	05/15/96		(a)	89.99	(a)	3546.06
	08/14/96		(a)	90.09	(a)	3545.96
	11/12/96		(a)	90.00	(a)	3546.05
	02/07/97		(a)	90.13	(a)	3545.92
	08/08/97		90.00	90.60	0.60	3545.93
	11/06/97		90.01	90.15	0.14	3546.01
	11/12/97		90.02	90.25	0.23	3545.98
	12/29/97	3637.04 (d)	90.69	92.55	1.86	3545.98
	11/24/98		90.28	94.04	3.76	3546.01
	01/28/99		90.50	94.03	3.53	3545.83
	02/10/99*		90.81	91.93	1.12	3546.01
	02/24/99		90.45	93.54	3.09	3545.97
	06/02/99		89.90	92.65	2.75	3546.59
	06/04/99		90.80	91.54	0.74	3546.09
	06/15/99		90.41	92.99	2.58	3546.11
	06/24/99		89.61	91.88	2.27	3546.98
	07/13/99		90.50	93.34	2.84	3545.97
	08/10/99*		90.66	93.12	2.46	3545.89
	08/24/99		90.61	91.70	1.09	3546.21
	09/07/99		90.62	92.97	2.35	3545.95
	09/23/99		90.58	93.05	2.47	3545.97
	10/12/99		90.66	93.21	2.55	3545.87
	10/26/99		90.64	93.02	2.38	3545.92
	11/09/99		90.55	92.94	2.39	3546.01
	11/24/99		90.69	93.45	2.76	3545.80
	12/14/99		90.56	92.89	2.33	3546.01
	12/28/99		89.52	92.83	3.31	3546.86
	01/13/00		90.01	90.78	0.77	3546.88
	01/20/00		90.04	90.08	0.04	3546.99
	02/01/00		89.86	91.55	1.69	3546.84
	02/14/00*		89.94	91.76	1.82	3546.74
	02/22/00		89.94	90.86	0.92	3546.92
	03/06/00		89.98	90.36	0.38	3546.98
	03/27/00		90.19	90.48	0.29	3546.79
	04/10/00		90.13	90.64	0.51	3546.81
	04/27/00		90.01	90.16	0.15	3547.00
	05/08/00		90.03	90.23	0.20	3546.97
	05/25/00		90.12	90.33	0.21	3546.88
	06/08/00		90.40	90.42	0.02	3546.64
	06/26/00		90.17	90.23	0.06	3546.86
	07/11/00		90.14	90.16	0.02	3546.90
	07/27/00		90.11	90.12	0.01	3546.93

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
	08/07/00		90.05	90.06	0.01	3546.99
	08/24/00		(a)	90.14	(a)	3546.90
	09/07/00		(a)	90.12	(a)	3546.92
	09/25/00		(a)	89.93	(a)	3547.11
	10/09/00		(a)	89.87	(a)	3547.17
	10/17/00*		90.12	90.15	0.03	3546.91
	11/02/00		90.16	90.76	0.60	3546.76
	11/22/00		90.36	90.39	0.03	3546.67
	12/11/00		90.05	90.25	0.20	3546.95
	01/05/01		90.07	91.47	1.40	3546.69
	01/22/01		90.03	90.58	0.55	3546.90
	02/09/01		90.76	90.97	0.21	3546.24
	02/15/01*		90.11	90.95	0.84	3546.76
	03/09/01		89.89	89.92	0.03	3547.14
	03/29/01		90.10	90.39	0.29	3546.88
	08/08/01		90.17	90.55	0.38	3546.79
	02/01/02		90.19	90.76	0.57	3546.74
	03/15/02*		90.15	90.89	0.74	3546.74
	08/05/02*		90.12	90.38	0.26	3546.87
	01/14/03*		90.08	91.57	1.49	3546.66
	10/13/03*		90.16	91.71	1.55	3546.57
	05/26/04*		90.16	91.57	1.41	3546.60
	11/10/04*		(a)	90.26	(a)	3546.78
	04/13/05*		90.1	90.11	0.01	3546.94
	11/29/05*		90.04	90.05	0.01	3547.00
	05/08/06*		(a)	91.16	(a)	3545.88
	12/11/06*		90.18	90.21	0.03	3546.85
	06/18/07*		89.97	90.01	0.04	3547.06
	12/05/07*		90.12	90.16	0.04	3546.91
	05/20/08*		90.07	90.10	0.03	3546.96
	12/08/08*		90.15	90.19	0.04	3546.88
	04/30/09*		90.13	90.17	0.04	3546.90
	01/27/10*		90.19	90.65	0.46	3546.76
	11/15/10*		90.24	90.26	0.02	3546.80
	05/17/11*		90.26	90.64	0.38	3546.70
	12/12/11*		90.43	90.47	0.04	3546.60
	04/23/12*		90.41	90.43	0.02	3546.63
	10/16/12*		sheen	90.41	sheen	3546.63

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-5	12/08/94	3635.31 (c)	(a)	89.33	(a)	3545.98
	05/31/95		(a)	89.36	(a)	3545.95
	12/12/95		(a)	89.40	(a)	3545.91
	02/20/96		(a)	89.46	(a)	3545.85
	05/15/96		(a)	89.40	(a)	3545.91
	08/14/96		(a)	89.43	(a)	3545.88
	11/12/96		(a)	89.42	(a)	3545.89
	02/07/97		(a)	89.53	(a)	3545.78
	08/08/97		(a)	89.41	(a)	3545.90
	01/09/98		(a)	89.57	(a)	3545.74
	02/24/98*		(a)	89.38	(a)	3545.93
	08/03/98*		(a)	89.59	(a)	3545.72
	02/10/99*		(a)	89.65	(a)	3545.66
	08/10/99*		(a)	89.64	(a)	3545.67
	02/14/00*		(a)	89.69	(a)	3545.62
	10/17/00*		(a)	89.75	(a)	3545.56
	02/15/01*		(a)	89.71	(a)	3545.60
	08/08/01		(a)	89.72	(a)	3545.59
	03/15/02*		(a)	89.69	(a)	3545.62
	08/05/02*		(a)	89.67	(a)	3545.64
	01/14/03*		(a)	89.75	(a)	3545.56
	10/13/03*		(a)	89.77	(a)	3545.54
	05/26/04*		(a)	89.81	(a)	3545.50
	11/10/04*		(a)	89.81	(a)	3545.50
	04/13/05*		(a)	89.77	(a)	3545.54
	11/29/05*		(a)	89.66	(a)	3545.65
	05/08/06*		(a)	89.58	(a)	3545.73
	12/11/06*		(a)	89.57	(a)	3545.74
	06/18/07*		(a)	89.53	(a)	3545.78
	12/05/07*		(a)	89.57	(a)	3545.74
	05/20/08*		(a)	89.55	(a)	3545.76
	12/08/08*		(a)	89.58	(a)	3545.73
	04/30/09*		(a)	89.59	(a)	3545.72
	01/27/10*		(a)	89.67	(a)	3545.64
	11/15/10*		(a)	89.65	(a)	3545.66
	05/17/11*		(a)	89.65	(a)	3545.66
	12/12/11*		(a)	89.80	(a)	3545.51
	04/23/12*		(a)	89.77	(a)	3545.54
	10/16/12*		(a)	89.80	(a)	3545.51

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-6	12/08/94	3634.66 (c)	(a)	88.65	(a)	3546.01
	05/31/95		(a)	88.70	(a)	3545.96
	12/12/95		(a)	88.72	(a)	3545.94
	02/20/96		(a)	88.81	(a)	3545.85
	05/15/96		(a)	88.75	(a)	3545.91
	08/14/96		(a)	88.82	(a)	3545.84
	11/12/96		(a)	88.81	(a)	3545.85
	02/07/97		(a)	88.88	(a)	3545.78
	08/08/97		(a)	88.80	(a)	3545.86
	01/09/98		(a)	88.92	(a)	3545.74
	02/24/98*		(a)	88.75	(a)	3545.91
	08/03/98*		(a)	88.93	(a)	3545.73
	02/10/99*		(a)	89.00	(a)	3545.66
	08/10/99*		(a)	89.02	(a)	3545.64
	02/14/00*		(a)	89.06	(a)	3545.60
	10/17/00*		(a)	89.12	(a)	3545.54
	02/15/01*		(a)	89.08	(a)	3545.58
	08/08/01		(a)	89.10	(a)	3545.56
	03/15/02*		(a)	89.05	(a)	3545.61
	08/05/02*		(a)	89.05	(a)	3545.61
	01/14/03*		(a)	89.11	(a)	3545.55
	10/13/03*		(a)	89.13	(a)	3545.53
	05/26/04*		(a)	89.15	(a)	3545.51
	11/10/04*		(a)	89.20	(a)	3545.46
	04/13/05*		(a)	89.16	(a)	3545.50
	11/29/05*		(a)	89.05	(a)	3545.61
	05/08/06*		(a)	88.95	(a)	3545.71
	12/11/06*		(a)	88.94	(a)	3545.72
	06/18/07*		(a)	88.89	(a)	3545.77
	12/05/07*		(a)	88.97	(a)	3545.69
	05/20/08*		(a)	88.92	(a)	3545.74
	12/08/08*		(a)	88.95	(a)	3545.71
	04/30/09*		(a)	88.97	(a)	3545.69
	01/27/10*		(a)	89.03	(a)	3545.63
	11/15/10*		(a)	89.05	(a)	3545.61
	05/17/11*		(a)	89.07	(a)	3545.59
	12/12/11*		(a)	89.16	(a)	3545.50
	04/23/12*		(a)	89.15	(a)	3545.51
	10/16/12*		(a)	89.21	(a)	3545.45

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-7	12/12/95	3635.89 (c)	(a)	90.18	(a)	3545.71
	02/20/96		(a)	90.15	(a)	3545.74
	05/15/96		(a)	90.11	(a)	3545.78
	08/14/96		(a)	90.21	(a)	3545.68
	11/12/96		(a)	90.20	(a)	3545.69
	02/07/97		(a)	90.22	(a)	3545.67
	08/08/97		(a)	90.19	(a)	3545.70
	01/09/98		(a)	90.28	(a)	3545.61
	02/24/98*		(a)	90.18	(a)	3545.71
	08/03/98*		(a)	90.29	(a)	3545.60
	08/10/99*	---	(a)	90.40	(a)	---
	02/14/00*	3636.00 (f)	(a)	90.45	(a)	3545.55
	10/17/00*		(a)	90.48	(a)	3545.52
	02/15/01*		(a)	90.47	(a)	3545.53
	08/08/01		(a)	90.51	(a)	3545.49
	03/15/02*		(a)	90.43	(a)	3545.57
	08/05/02*		(a)	90.43	(a)	3545.57
	01/14/03*		(a)	90.52	(a)	3545.48
	10/13/03*		(a)	90.51	(a)	3545.49
	05/26/04*		(a)	90.57	(a)	3545.43
	11/10/04*		(a)	90.57	(a)	3545.43
	04/13/05*		(a)	90.53	(a)	3545.47
	11/29/05*		(a)	90.44	(a)	3545.56
	05/08/06*		(a)	90.35	(a)	3545.65
	12/11/06*		(a)	90.35	(a)	3545.65
	06/18/07*		(a)	90.30	(a)	3545.70
	12/05/07*		(a)	90.36	(a)	3545.64
	05/20/08*		(a)	90.31	(a)	3545.69
	12/08/08*		(a)	90.36	(a)	3545.64
	04/30/09*		(a)	90.36	(a)	3545.64
	01/27/10*		(a)	90.41	(a)	3545.59
	11/15/10*		(a)	90.43	(a)	3545.57
	05/17/11*		(a)	90.45	(a)	3545.55
	12/12/11*		(a)	90.52	(a)	3545.48
	04/23/12*		(a)	90.54	(a)	3545.46
	10/16/12*		(a)	90.55	(a)	3545.45

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-8	12/12/95	3635.28 (c)	(a)	89.82	(a)	3545.46
	02/20/96		(a)	89.82	(a)	3545.46
	05/15/96		(a)	89.78	(a)	3545.50
	08/14/96		(a)	89.86	(a)	3545.42
	11/12/96		(a)	89.86	(a)	3545.42
	02/07/97		(a)	89.89	(a)	3545.39
	08/08/97		(a)	89.85	(a)	3545.43
	01/09/98	3635.30 (d)	(a)	89.95	(a)	3545.35
	02/24/98*		(a)	89.87	(a)	3545.43
	08/03/98*		(a)	89.95	(a)	3545.35
	02/10/99*		(a)	89.97	(a)	3545.33
	08/10/99*		(a)	90.00	(a)	3545.30
	02/14/00*		(a)	90.04	(a)	3545.26
	10/17/00*		(a)	90.08	(a)	3545.22
	02/15/01*		(a)	90.05	(a)	3545.25
	08/08/01		(a)	90.09	(a)	3545.21
	03/15/02*		(a)	90.05	(a)	3545.25
	08/05/02*		(a)	90.05	(a)	3545.25
	01/14/03*		(a)	90.10	(a)	3545.20
	10/13/03*		(a)	90.10	(a)	3545.20
	05/26/04*		(a)	90.14	(a)	3545.16
	11/10/04*		(a)	90.20	(a)	3545.10
	04/13/05*		(a)	90.14	(a)	3545.16
	11/29/05*		(a)	90.07	(a)	3545.23
	05/08/06*		(a)	89.99	(a)	3545.31
	12/11/06*		(a)	89.96	(a)	3545.34
	06/18/07*		(a)	89.92	(a)	3545.38
	12/05/07*		(a)	89.98	(a)	3545.32
	05/20/08*		(a)	89.93	(a)	3545.37
	12/08/08*		(a)	89.98	(a)	3545.32
	04/30/09*		(a)	89.98	(a)	3545.32
	01/27/10*		(a)	90.03	(a)	3545.27
	11/15/10*		(a)	90.03	(a)	3545.27
	05/17/11*		(a)	90.03	(a)	3545.27
	12/12/11*		(a)	90.12	(a)	3545.18
	04/23/12*		(a)	90.10	(a)	3545.20
	10/16/12*		(a)	90.16	(a)	3545.14

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-9	12/12/95	3633.58 (c)	(a)	88.21	(a)	3545.37
	02/20/96		(a)	88.23	(a)	3545.35
	05/15/96		(a)	88.18	(a)	3545.40
	08/14/96		(a)	88.22	(a)	3545.36
	11/12/96		(a)	88.27	(a)	3545.31
	02/07/97		(a)	88.29	(a)	3545.29
	08/08/97		(a)	88.25	(a)	3545.33
	01/09/98		(a)	88.35	(a)	3545.23
	02/24/98*		(a)	88.24	(a)	3545.34
	08/03/98*		(a)	88.33	(a)	3545.25
	02/10/99*		(a)	88.37	(a)	3545.21
	08/10/99*		(a)	88.40	(a)	3545.18
	02/14/00*		(a)	88.44	(a)	3545.14
	10/17/00*		(a)	88.46	(a)	3545.12
	02/15/01*		(a)	88.45	(a)	3545.13
	08/08/01		(a)	88.48	(a)	3545.10
	03/15/02*		(a)	88.46	(a)	3545.12
	08/05/02*		(a)	88.46	(a)	3545.12
	01/14/03*		(a)	88.48	(a)	3545.10
	10/13/03*		(a)	88.49	(a)	3545.09
	05/26/04*		(a)	88.55	(a)	3545.03
	11/10/04*		(a)	88.59	(a)	3544.99
	04/13/05*		(a)	88.54	(a)	3545.04
	11/29/05*		(a)	88.45	(a)	3545.13
	05/08/06*		(a)	88.37	(a)	3545.21
	12/11/06*		(a)	88.35	(a)	3545.23
	06/18/07*		(a)	88.31	(a)	3545.27
	12/05/07*		(a)	88.39	(a)	3545.19
	05/20/08*		(a)	88.33	(a)	3545.25
	12/08/08*		(a)	88.36	(a)	3545.22
	04/30/09*		(a)	88.39	(a)	3545.19
	01/27/10*		(a)	88.42	(a)	3545.16
	11/15/10*		(a)	88.45	(a)	3545.13
	05/17/11*		(a)	88.44	(a)	3545.14
	12/12/11*		(a)	88.53	(a)	3545.05
	04/23/12*		(a)	88.51	(a)	3545.07
	10/16/12*		(a)	88.56	(a)	3545.02

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-10	01/09/98	3633.25 (d)	(a)	88.42	(a)	3544.83
	02/24/98*		(a)	88.33	(a)	3544.92
	08/03/98*		(a)	88.41	(a)	3544.84
	02/10/99*		(a)	88.43	(a)	3544.82
	08/10/99*		(a)	88.44	(a)	3544.81
	02/14/00*	3633.24 (f)	(a)	88.50	(a)	3544.74
	10/17/00*		(a)	88.54	(a)	3544.70
	02/14/01*		(a)	88.51	(a)	3544.73
	08/08/01		(a)	88.54	(a)	3544.70
	03/15/02*		(a)	88.51	(a)	3544.73
	08/05/02*		(a)	88.54	(a)	3544.70
	01/14/03*		(a)	88.54	(a)	3544.70
	10/13/03*		(a)	88.56	(a)	3544.68
	05/26/04*		(a)	88.60	(a)	3544.64
	11/10/04*		(a)	88.63	(a)	3544.61
	04/13/05*		(a)	88.58	(a)	3544.66
	11/29/05*		(a)	88.50	(a)	3544.74
	05/08/06*		(a)	88.44	(a)	3544.80
	12/11/06*		(a)	88.44	(a)	3544.80
	06/18/07*		(a)	88.39	(a)	3544.85
	12/05/07*		(a)	88.47	(a)	3544.77
	05/20/08*		(a)	88.41	(a)	3544.83
	12/08/08*		(a)	88.45	(a)	3544.79
	04/30/09*		(a)	88.45	(a)	3544.79
	01/27/10*		(a)	88.46	(a)	3544.78
	11/15/10*		(a)	88.51	(a)	3544.73
	05/17/11*		(a)	88.47	(a)	3544.77
	12/12/11*		(a)	88.57	(a)	3544.67
	04/23/12*		(a)	88.56	(a)	3544.68
	10/16/12*		(a)	88.61	(a)	3544.63

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-11	01/09/98	3631.57 (d)	(a)	86.99	(a)	3544.58
	02/24/98*		(a)	86.94	(a)	3544.63
	08/03/98*		(a)	86.98	(a)	3544.59
	02/10/99*		(a)	86.99	(a)	3544.58
	08/10/99*		(a)	86.99	(a)	3544.58
	02/14/00*	3631.56 (f)	(a)	87.04	(a)	3544.52
	10/17/00*		(a)	87.07	(a)	3544.49
	02/15/01*		(a)	87.06	(a)	3544.50
	08/08/01		(a)	87.10	(a)	3544.46
	03/15/02*		(a)	87.07	(a)	3544.49
	08/05/02*		(a)	87.09	(a)	3544.47
	01/14/03*		(a)	87.09	(a)	3544.47
	10/13/03*		(a)	87.11	(a)	3544.45
	05/26/04*		(a)	87.15	(a)	3544.41
	11/10/04*		(a)	87.21	(a)	3544.35
	04/13/05*		(a)	87.13	(a)	3544.43
	11/29/05*		(a)	87.07	(a)	3544.49
	05/08/06*		(a)	87.03	(a)	3544.53
	12/11/06*		(a)	87.03	(a)	3544.53
	06/18/07*		(a)	86.97	(a)	3544.59
	12/05/07*		(a)	87.02	(a)	3544.54
	05/20/08*		(a)	86.98	(a)	3544.58
	12/08/08*		(a)	87.02	(a)	3544.54
	04/30/09*		(a)	87.00	(a)	3544.56
	01/27/10*		(a)	87.03	(a)	3544.53
	11/15/10*		(a)	87.05	(a)	3544.51
	05/17/11*		(a)	87.05	(a)	3544.51
	12/12/11*		(a)	87.13	(a)	3544.43
	04/23/12*		(a)	87.10	(a)	3544.46
	10/16/12*		(a)	87.15	(a)	3544.41

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-12	01/09/98	3630.61 (d)	(a)	86.39	(a)	3544.22
	02/24/98*		(a)	86.29	(a)	3544.32
	08/03/98*		(a)	86.37	(a)	3544.24
	02/10/99*		(a)	86.39	(a)	3544.22
	08/10/99*		(a)	86.39	(a)	3544.22
	02/14/00*	3630.61 (f)	(a)	86.46	(a)	3544.15
	10/17/00*		(a)	86.49	(a)	3544.12
	02/15/01*		(a)	86.47	(a)	3544.14
	08/08/01		(a)	86.49	(a)	3544.12
	03/15/02*		(a)	86.45	(a)	3544.16
	08/05/02*		(a)	86.50	(a)	3544.11
	01/14/03*		(a)	86.49	(a)	3544.12
	10/13/03*		(a)	86.49	(a)	3544.12
	05/26/04*		(a)	86.52	(a)	3544.09
	11/10/04*		(a)	86.56	(a)	3544.05
	04/13/05*		(a)	86.49	(a)	3544.12
	11/29/05*		(a)	86.42	(a)	3544.19
	05/08/06*		(a)	86.41	(a)	3544.20
	12/11/06*		(a)	86.42	(a)	3544.19
	06/18/07*		(a)	86.38	(a)	3544.23
	12/05/07*		(a)	86.45	(a)	3544.16
	05/20/08*		(a)	86.37	(a)	3544.24
	12/08/08*		(a)	86.43	(a)	3544.18
	04/30/09*		(a)	86.40	(a)	3544.21
	01/27/10*		(a)	86.42	(a)	3544.19
	11/15/10*		(a)	86.44	(a)	3544.17
	05/17/11*		(a)	86.42	(a)	3544.19
	12/12/11*		(a)	86.52	(a)	3544.09
	04/23/12*		(a)	86.50	(a)	3544.11
	10/16/12*		(a)	86.52	(a)	3544.09

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-13	02/14/00*	3626.97 (f)	(a)	83.28	(a)	3543.69
	10/17/00*		(a)	83.30	(a)	3543.67
	02/15/01*		(a)	83.29	(a)	3543.68
	08/08/01		(a)	83.31	(a)	3543.66
	03/15/02*		(a)	83.27	(a)	3543.70
	08/05/02*		(a)	83.31	(a)	3543.66
	01/14/03*		(a)	83.32	(a)	3543.65
	10/13/03*		(a)	83.30	(a)	3543.67
	05/26/04*		(a)	83.34	(a)	3543.63
	11/10/04*		(a)	83.36	(a)	3543.61
	04/13/05*		(a)	83.33	(a)	3543.64
	11/29/05*		(a)	83.27	(a)	3543.70
	05/08/06*		(a)	83.24	(a)	3543.73
	12/11/06*		(a)	83.25	(a)	3543.72
	06/18/07*		(a)	83.23	(a)	3543.74
	12/05/07*		(a)	83.28	(a)	3543.69
	05/20/08*		(a)	83.21	(a)	3543.76
	12/08/08*		(a)	83.27	(a)	3543.70
	04/30/09*		(a)	83.23	(a)	3543.74
	01/27/10*		(a)	83.24	(a)	3543.73
	11/15/10*		(a)	83.23	(a)	3543.74
	05/17/11*		(a)	83.22	(a)	3543.75
	12/12/11*		(a)	83.31	(a)	3543.66
	04/23/12*		(a)	83.30	(a)	3543.67
	10/16/12*		(a)	83.31	(a)	3543.66
MW-14	01/14/03*	3631.43 (g)	(a)	86.33	(a)	3545.10
	10/13/03*		(a)	86.34	(a)	3545.09
	05/26/04*		(a)	86.38	(a)	3545.05
	11/10/04*		(a)	86.45	(a)	3544.98
	04/13/05*		(a)	86.36	(a)	3545.07
	11/29/05*		(a)	86.28	(a)	3545.15
	05/08/06*		(a)	86.24	(a)	3545.19
	12/11/06*		(a)	86.24	(a)	3545.19
	06/18/07*		(a)	86.19	(a)	3545.24
	12/05/07*		(a)	86.27	(a)	3545.16
	05/20/08*		(a)	86.20	(a)	3545.23
	12/08/08*		(a)	86.23	(a)	3545.20
	04/30/09*		(a)	86.24	(a)	3545.19
	01/27/10*		(a)	86.25	(a)	3545.18
	11/15/10*		(a)	86.27	(a)	3545.16
	05/17/11*		(a)	86.26	(a)	3545.17
	12/12/11*		(a)	86.35	(a)	3545.08
	04/23/12*		(a)	86.32	(a)	3545.11
	10/16/12*		(a)	86.35	(a)	3545.08

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-15	01/14/03*	3629.00 (g)	(a)	84.74	(a)	3544.26
	10/13/03*		(a)	84.73	(a)	3544.27
	05/26/04*		(a)	84.75	(a)	3544.25
	11/10/04*		(a)	84.80	(a)	3544.20
	04/13/05*		(a)	84.76	(a)	3544.24
	11/29/05*		(a)	84.70	(a)	3544.30
	05/08/06*		(a)	84.66	(a)	3544.34
	12/11/06*		(a)	84.66	(a)	3544.34
	06/18/07*		(a)	84.63	(a)	3544.37
	12/05/07*		(a)	84.69	(a)	3544.31
	05/20/08*		(a)	84.61	(a)	3544.39
	12/08/08*		(a)	84.67	(a)	3544.33
	04/30/09*		(a)	84.65	(a)	3544.35
	01/27/10*		(a)	84.67	(a)	3544.33
	11/15/10*		(a)	84.67	(a)	3544.33
	05/17/11*		(a)	84.65	(a)	3544.35
	12/12/11*		(a)	84.75	(a)	3544.25
	04/23/12*		(a)	84.71	(a)	3544.29
	10/16/12*		(a)	84.74	(a)	3544.26
MW-16	01/14/03*	3625.87 (g)	(a)	81.88	(a)	3543.99
	10/13/03*		(a)	81.87	(a)	3544.00
	05/26/04*		(a)	81.89	(a)	3543.98
	11/10/04*		(a)	81.93	(a)	3543.94
	04/13/05*		(a)	81.88	(a)	3543.99
	11/29/05*		(a)	81.85	(a)	3544.02
	05/08/06*		(a)	81.80	(a)	3544.07
	12/11/06*		(a)	81.81	(a)	3544.06
	06/18/07*		(a)	81.80	(a)	3544.07
	12/05/07*		(a)	81.85	(a)	3544.02
	05/20/08*		(a)	81.78	(a)	3544.09
	12/08/08*		(a)	81.84	(a)	3544.03
	04/30/09*		(a)	81.81	(a)	3544.06
	01/27/10*		(a)	81.81	(a)	3544.06
	11/15/10*		(a)	81.81	(a)	3544.06
	05/17/11*		(a)	81.79	(a)	3544.08
	12/12/11*		(a)	81.90	(a)	3543.97
	04/23/12*		(a)	81.86	(a)	3544.01
	10/16/12*		(a)	81.87	(a)	3544.00

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-1	12/01/95	3637.06 (c)	90.68	92.12	1.44	3546.09
	02/20/96		90.52	92.12	1.60	3546.22
	05/01/96		90.51	92.20	1.69	3546.21
	01/17/97	3638.21 (d)	91.63	93.34	1.71	3546.24
	11/06/97		91.45	93.59	2.14	3546.33
	12/29/97		91.50	93.45	1.95	3546.32
	11/24/98		91.12	94.65	3.53	3546.38
	01/28/99		91.80	93.10	1.30	3546.15
	06/02/99		91.79	92.49	0.70	3546.28
	06/04/99		91.70	92.32	0.62	3546.39
	06/15/99		91.84	92.58	0.74	3546.22
	06/24/99		91.84	92.59	0.75	3546.22
	07/13/99		(a)	91.95	(a)	3546.26
	07/27/99		(a)	91.86	(a)	3546.35
	08/10/99*		91.97	92.35	0.38	3546.16
	08/24/99		(a)	91.84	(a)	3546.37
	09/07/99		(a)	92.16	(a)	3546.05
	09/23/99		(a)	92.21	(a)	3546.00
	10/12/99		(a)	92.09	(a)	3546.12
	10/26/99		(a)	91.84	(a)	3546.37
	11/09/99		(a)	91.82	(a)	3546.39
	11/24/99		92.17	92.21	0.04	3546.03
	12/14/99		(a)	91.79	(a)	3546.42
	12/28/99		(a)	91.93	(a)	3546.28
	01/13/00		(a)	92.05	(a)	3546.16
	01/20/00		(a)	92.21	(a)	3546.00
	02/01/00		(a)	92.11	(a)	3546.10
	02/14/00*	3638.22 (f)	92.19	92.32	0.13	3546.00
	02/22/00		(a)	92.38	(a)	3545.84
	03/06/00		(a)	92.01	(a)	3546.21
	03/27/00		(a)	92.06	(a)	3546.16
	04/10/00		(a)	92.16	(a)	3546.06
	04/27/00		(a)	92.09	(a)	3546.13
	05/08/00		(a)	92.05	(a)	3546.17
	05/25/00		(a)	92.09	(a)	3546.13
	06/08/00		(a)	92.07	(a)	3546.15
	06/26/00		(a)	92.06	(a)	3546.16
	07/11/00		(a)	92.11	(a)	3546.11
	07/27/00		(a)	92.02	(a)	3546.20
	08/07/00		(a)	91.98	(a)	3546.24
	08/24/00		(a)	92.10	(a)	3546.12
	09/07/00		(a)	92.16	(a)	3546.06
	09/25/00		(a)	92.15	(a)	3546.07
	10/09/00		(a)	92.06	(a)	3546.16
	10/17/00*		(a)	91.95	(a)	3546.27
	11/02/00		(a)	92.39	(a)	3545.83
	11/22/00		(a)	92.28	(a)	3545.94
	12/11/00		(a)	92.04	(a)	3546.18

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
	01/05/01		(a)	92.37	(a)	3545.85
	01/22/01		92.26	92.27	0.01	3545.96
	02/09/01		(a)	92.06	(a)	3546.16
	02/15/01*		(a)	92.20	sheen	3546.02
	03/09/01		(a)	92.06	(a)	3546.16
	03/29/01		(a)	91.95	sheen	3546.27
	08/08/01		(a)	92.22	(a)	3546.00
	02/01/02		(a)	92.03	(a)	3546.19
	02/11/02		(a)	92.25	(a)	3545.97
	03/15/02*		(a)	92.23	(a)	3545.99
	08/05/02*		(a)	92.11	(a)	3546.11
	01/14/03*		92.30	92.31	0.01	3545.92
	10/13/03*		92.33	92.37	0.04	3545.88
	05/26/04*		92.35	92.42	0.07	3545.86
	11/10/04*		(a)	92.30	(a)	3545.92
	04/13/05*		(a)	92.36	(a)	3545.86
	11/29/05*		(a)	92.02	(a)	3546.20
	05/08/06*		(a)	92.09	(a)	3546.13
	12/11/06*		(a)	92.10	(a)	3546.12
	06/18/07*		(a)	91.84	(a)	3546.38
	12/05/07*		(a)	92.06	(a)	3546.16
	05/20/08*		(a)	91.99	(a)	3546.23
	12/08/08*		(a)	92.07	(a)	3546.15
	04/30/09*		(a)	92.04	(a)	3546.18
	01/27/10*		(a)	92.19	(a)	3546.03
	11/15/10*		(a)	92.17	(a)	3546.05
	05/17/11*		(a)	92.25	(a)	3545.97
	12/12/11*		92.32	92.51	0.19	3545.86
	04/23/12*		92.32	92.53	0.21	3545.86
	10/16/12*		(a)	92.34	(a)	3545.88

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-2	12/01/95	3636.49 (c)	(a)	90.18	(a)	3546.31
	02/20/96		(a)	90.22	(a)	3546.27
	05/01/96		(a)	90.21	(a)	3546.28
	01/17/97	3637.53 (c)	(a)	91.20	(a)	3546.33
	11/06/97		(a)	91.10	(a)	3546.43
	12/29/97		(a)	91.13	(a)	3546.40
	08/04/98*		(a)	91.32	(a)	3546.21
	11/24/98		(a)	91.30	(a)	3546.23
	02/10/99*		(a)	91.21	(a)	3546.32
	06/02/99		(a)	91.34	(a)	3546.19
	08/10/99*		(a)	91.36	(a)	3546.17
	02/14/00*	3637.53 (f)	(a)	91.48	(a)	3546.05
	10/17/00		(a)	91.41	(a)	3546.12
	02/15/01*		(a)	91.47	(a)	3546.06
	08/08/01		(a)	91.46	(a)	3546.07
	02/01/02		(a)	91.51	(a)	3546.02
	02/11/02		(a)	91.51	(a)	3546.02
	03/15/02*		(a)	91.50	(a)	3546.03
	08/05/02*		(a)	91.42	(a)	3546.11
	01/14/03*		(a)	91.57	(a)	3545.96
	10/13/03*		(a)	91.61	(a)	3545.92
	05/26/04*		(a)	91.66	(a)	3545.87
	11/10/04*		(a)	91.58	(a)	3545.95
	04/13/05*		(a)	91.65	(a)	3545.88
	11/29/05*		(a)	91.37	(a)	3546.16
	05/08/06*		(a)	91.35	(a)	3546.18
	12/11/06*		(a)	91.35	(a)	3546.18
	06/18/07*		(a)	91.19	(a)	3546.34
	12/05/07*		(a)	91.37	(a)	3546.16
	05/20/08*		(a)	90.20	(a)	3547.33
	12/08/08*		(a)	90.24	(a)	3547.29
	04/30/09*		(a)	90.24	(a)	3547.29
	01/27/10*		(a)	90.35	(a)	3547.18
	11/15/10*		(a)	90.35	(a)	3547.18
	05/17/11*		(a)	90.44	(a)	3547.09
	12/12/11*		(a)	90.54	(a)	3546.99
	04/23/12*		(a)	90.53	(a)	3547.00
	10/16/12*		(a)	90.52	(a)	3547.01

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-3	12/01/95	3636.44 (c)	90.00	90.30	0.30	3546.38
	02/20/96		89.52	92.37	2.85	3546.35
	05/01/96		89.38	92.92	3.54	3546.35
	01/17/97	3637.62 (d)	90.65	93.60	2.95	3546.38
	11/06/97		90.65	93.00	2.35	3546.50
	12/29/97		90.50	93.70	3.20	3546.48
	01/16/99		(a)	90.83	(a)	3546.79
	01/28/99		(a)	91.06	(a)	3546.56
	02/08/99		(a)	91.10	(a)	3546.52
	02/10/99*		(a)	91.04	(a)	3546.58
	06/02/99		(a)	90.95	(a)	3546.67
	06/05/99		(a)	91.20	(a)	3546.42
	06/15/99		91.40	91.45	0.05	3546.21
	06/24/99		91.46	91.48	0.02	3546.16
	07/13/99		91.49	91.54	0.05	3546.12
	07/27/99		91.52	91.57	0.05	3546.09
	08/10/99*		91.38	91.50	0.12	3546.22
	08/24/99		91.43	91.57	0.14	3546.16
	09/07/99		91.54	91.61	0.07	3546.07
	09/23/99		91.50	91.58	0.08	3546.10
	10/12/99		91.48	91.64	0.16	3546.11
	10/26/99		91.47	91.60	0.13	3546.12
	11/09/99		91.42	91.55	0.13	3546.17
	11/24/99		91.45	91.59	0.14	3546.14
	12/14/99		91.44	91.60	0.16	3546.15
	12/28/99		91.38	91.54	0.16	3546.21
	01/13/00		91.50	91.59	0.09	3546.10
	01/20/00		91.45	91.58	0.13	3546.14
	02/01/00		91.46	91.56	0.10	3546.14
	02/14/00*	3637.62 (f)	91.46	91.55	0.09	3546.14
	02/22/00		91.45	91.52	0.07	3546.16
	03/06/00		91.45	91.48	0.03	3546.16
	03/27/00		91.46	91.51	0.05	3546.15
	04/10/00		91.46	91.49	0.03	3546.15
	04/27/00		91.52	91.53	0.01	3546.10
	05/08/00		91.47	91.48	0.01	3546.15
	05/25/00		91.49	91.50	0.01	3546.13
	06/08/00		91.49	91.50	0.01	3546.13
	06/26/00		(a)	91.54	(a)	3546.08
	07/11/00		91.52	91.53	0.01	3546.10
	07/27/00		91.53	91.54	0.01	3546.09
	08/07/00		(a)	91.51	(a)	3546.11
	08/24/00		(a)	91.51	(a)	3546.11
	09/07/00		(a)	91.52	(a)	3546.10
	09/25/00		(a)	91.51	(a)	3546.11

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
	10/09/00		(a)	91.50	(a)	3546.12
	10/17/00*		(a)	91.50	(a)	3546.12
	11/02/00		(a)	90.46	(a)	3547.16
	11/22/00		(a)	91.49	(a)	3546.13
	12/11/00		(a)	91.51	(a)	3546.11
	01/05/01		91.53	91.54	0.01	3546.09
	01/22/01		91.49	91.51	0.02	3546.13
	02/09/01		91.61	91.67	0.06	3546.00
	02/15/01*		91.48	91.50	0.02	3546.14
	03/09/01		91.51	91.53	0.02	3546.11
	03/29/01		91.51	91.53	0.02	3546.11
	08/08/01		91.48	91.50	0.02	3546.14
	02/01/02		91.60	91.68	0.08	3546.00
	02/11/02		91.51	91.53	0.02	3546.11
	03/15/02*		(a)	91.49	sheen	3546.13
	08/05/02*		91.49	91.51	0.02	3546.13
	01/14/03*		91.55	91.58	0.03	3546.06
	10/13/03*		91.61	91.65	0.04	3546.00
	05/26/04*		91.62	91.68	0.06	3545.99
	11/10/04*		91.62	91.70	0.08	3545.98
	04/13/05*		(a)	91.64	(a)	3545.98
	11/29/05*		(a)	91.45	(a)	3546.17
	05/08/06*		91.36	91.44	0.08	3546.24
	12/11/06*		91.34	91.45	0.11	3546.26
	06/18/07*		91.26	91.37	0.11	3546.34
	12/05/07*		91.33	91.45	0.12	3546.27
	05/20/08*		91.33	91.45	0.12	3546.27
	12/08/08*		91.34	91.44	0.10	3546.26
	04/30/09*		91.33	91.44	0.11	3546.27
	01/27/10*		(a)	91.42	(a)	3546.20
	11/15/10*		(a)	91.48	(a)	3546.14
	05/17/11*		90.515	90.52	0.005	3547.10
	12/12/11*		91.61	91.64	0.03	3546.00
	04/23/12*		91.60	91.62	0.02	3546.02
	10/16/12*		91.62	91.63	0.01	3546.00

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-4	11/12/97	3636.95 (d)	(a)	89.69	(a)	3547.26
	12/29/97		90.40	92.30	1.90	3546.17
	11/24/98		89.14	93.54	4.40	3546.93
	01/06/99	3636.49 (e)	87.70	91.75	4.05	3547.98
	02/08/99		89.85	93.26	3.41	3545.96
	06/02/99		89.65	90.82	1.17	3546.61
	06/04/99		89.75	90.73	0.98	3546.54
	06/15/99		89.73	90.76	1.03	3546.55
	06/24/99		88.76	89.80	1.04	3547.52
	07/13/99		89.79	90.71	0.92	3546.52
	07/27/99		89.99	90.70	0.71	3546.36
	08/24/99		89.79	90.28	0.49	3546.60
	09/07/99		89.92	90.40	0.48	3546.47
	09/23/99		89.79	90.19	0.40	3546.62
	10/12/99		89.95	90.34	0.39	3546.46
	10/26/99		89.89	90.25	0.36	3546.53
	11/09/99		89.80	90.17	0.37	3546.62
	11/24/99		90.48	90.85	0.37	3545.94
	12/14/99		89.76	90.18	0.42	3546.65
	12/28/99		90.18	90.64	0.46	3546.22
	01/13/00		90.04	90.42	0.38	3546.37
	01/20/00		89.76	90.14	0.38	3546.65
	02/01/00		90.06	90.49	0.43	3546.34
	02/14/00*	3636.48 (f)	90.47	91.03	0.56	3545.90
	02/22/00		90.40	90.80	0.40	3546.00
	03/06/00		89.70	90.14	0.44	3546.69
	03/27/00		89.88	90.31	0.43	3546.51
	04/10/00		89.91	90.22	0.31	3546.51
	04/27/00		89.96	90.18	0.22	3546.48
	05/08/00		89.82	89.98	0.16	3546.63
	05/25/00		89.81	89.95	0.14	3546.64
	06/08/00		89.88	90.00	0.12	3546.58
	06/26/00		89.85	89.95	0.10	3546.61
	07/11/00		89.98	90.04	0.06	3546.49
	07/27/00		89.86	89.92	0.06	3546.61
	08/07/00		89.84	89.89	0.05	3546.63
	08/24/00		89.96	89.98	0.02	3546.52
	09/07/00		89.99	90.00	0.01	3546.49
	09/25/00		90.06	90.08	0.02	3546.42
	10/09/00		(a)	89.85	(a)	3546.63
	10/17/00*		90.13	90.15	0.02	3546.35
	11/02/00		90.57	90.60	0.03	3545.90
	11/22/00		90.55	90.66	0.11	3545.91
	12/11/00		89.89	89.97	0.08	3546.57

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
	01/05/01		90.59	90.70	0.11	3545.87
	01/22/01		90.44	90.63	0.19	3546.00
	02/09/01		89.97	90.50	0.53	3546.40
	02/15/01*		90.54	90.68	0.14	3545.91
	03/09/01		89.95	90.26	0.31	3546.47
	03/29/01		89.88	89.94	0.06	3546.59
	08/08/01		(a)	90.52	(a)	3545.96
	02/01/02		90.27	90.80	0.53	3546.10
	02/11/02		91.47	92.35	0.88	3544.83
	03/15/02*		(a)	90.60	(a)	3545.88
	08/05/02*		(a)	89.79	(a)	3546.69
	01/14/03*		(a)	90.71	(a)	3545.77
	10/13/03*		(a)	90.76	(a)	3545.72
	05/26/04*		(a)	90.80	(a)	3545.68
	11/10/04*		(a)	90.70	(a)	3545.78
	04/13/05*		(a)	90.77	(a)	3545.71
	11/29/05*		(a)	90.15	(a)	3546.33
	05/08/06*		(a)	90.51	(a)	3545.97
	12/11/06*		(a)	90.53	(a)	3545.95
	06/18/07*		(a)	90.28	(a)	3546.20
	12/05/07*		(a)	90.47	(a)	3546.01
	05/20/08*		(a)	90.41	(a)	3546.07
	12/08/08*		(a)	90.48	(a)	3546.00
	04/30/09*		(a)	90.47	(a)	3546.01
	01/27/10*		(a)	90.62	(a)	3545.86
	11/15/10*		(a)	89.88	(a)	3546.60
	05/17/11*		(a)	90.72	(a)	3545.76
	12/12/11*		(a)	90.81	(a)	3545.67
	04/23/12*		(a)	90.80	(a)	3545.68
	10/16/12*		(a)	90.78	(a)	3545.70

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-5	11/12/97	3635.65 (d)	(a)	89.60	(a)	3546.05
	12/29/97		(a)	89.59	(a)	3546.06
	01/09/98		(a)	89.75	(a)	3545.90
	11/24/98		(a)	89.60	(a)	3546.05
	02/10/99*		(a)	89.67	(a)	3545.98
	06/02/99		(a)	89.59	(a)	3546.06
	08/10/99*		(a)	89.71	(a)	3545.94
	02/14/00*	3635.66 (f)	(a)	89.85	(a)	3545.81
	10/17/00*		(a)	89.59	(a)	3546.07
	02/15/01*		(a)	89.86	(a)	3545.80
	08/08/01		(a)	89.82	(a)	3545.84
	03/15/02*		(a)	89.88	(a)	3545.78
	08/05/02*		(a)	89.75	(a)	3545.91
	01/14/03*		(a)	89.97	(a)	3545.69
	10/13/03*		(a)	89.98	(a)	3545.68
	05/26/04*		(a)	90.04	(a)	3545.62
	11/10/04*		(a)	89.93	(a)	3545.73
	04/13/05*		(a)	89.97	(a)	3545.69
	11/29/05*		(a)	89.68	(a)	3545.98
	05/08/06*		(a)	89.75	(a)	3545.91
	12/11/06*		(a)	89.76	(a)	3545.90
	06/18/07*		(a)	89.58	(a)	3546.08
	12/05/07*		(a)	89.71	(a)	3545.95
	05/20/08*		(a)	89.68	(a)	3545.98
	12/08/08*		(a)	89.74	(a)	3545.92
	04/30/09*		(a)	89.72	(a)	3545.94
	01/27/10*		(a)	89.86	(a)	3545.80
	11/15/10*		(a)	89.84	(a)	3545.82
	05/17/11*		(a)	89.93	(a)	3545.73
	12/12/11*		(a)	90.04	(a)	3545.62
	04/23/12*		(a)	90.02	(a)	3545.64
	10/16/12*		(a)	90.00	(a)	3545.66

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-6	11/12/97	3636.38 (d)	(a)	90.20	(a)	3546.18
	12/29/97		(a)	90.20	(a)	3546.18
	01/09/98		(a)	90.25	(a)	3546.13
	11/24/98		(a)	90.20	(a)	3546.18
	02/10/99*		(a)	90.27	(a)	3546.11
	06/02/99		(a)	90.13	(a)	3546.25
	08/10/99*		(a)	90.23	(a)	3546.15
	02/14/00*	3636.38 (f)	(a)	90.44	(a)	3545.94
	10/17/00*		(a)	90.19	(a)	3546.19
	02/15/01*		(a)	90.43	(a)	3545.95
	08/08/01		(a)	90.40	(a)	3545.98
	03/15/02*		(a)	90.49	(a)	3545.89
	08/05/02*		(a)	90.32	(a)	3546.06
	01/14/03*		(a)	90.56	(a)	3545.82
	10/13/03*		(a)	90.60	(a)	3545.78
	05/26/04*		(a)	90.64	(a)	3545.74
	11/10/04*		(a)	90.51	(a)	3545.87
	04/13/05*		(a)	90.58	(a)	3545.80
	11/29/05*		(a)	90.21	(a)	3546.17
	05/08/06*		(a)	90.36	(a)	3546.02
	12/11/06*		(a)	90.37	(a)	3546.01
	06/18/07*		(a)	90.12	(a)	3546.26
	12/05/07*		(a)	90.28	(a)	3546.10
	05/20/08*		(a)	90.26	(a)	3546.12
	12/08/08*		(a)	90.34	(a)	3546.04
	04/30/09*		(a)	90.30	(a)	3546.08
	01/27/10*		(a)	90.46	(a)	3545.92
	11/15/10*		(a)	90.43	(a)	3545.95
	05/17/11*		(a)	90.53	(a)	3545.85
	12/12/11*		(a)	90.63	(a)	3545.75
	04/23/12*		(a)	90.62	(a)	3545.76
	10/16/12*		(a)	90.60	(a)	3545.78

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-7	11/12/97	3637.01 (d)	(a)	89.61	(a)	3547.40
	12/29/97		(a)	90.52	(a)	3546.49
	08/04/98*		(a)	90.58	(a)	3546.43
	11/24/98		(a)	90.71	(a)	3546.30
	02/10/99*		(a)	90.60	(a)	3546.41
	06/02/99	3636.01 (f)	(a)	89.61	(a)	3546.40
	08/10/99*		(a)	89.80	(a)	3546.21
	02/14/00*	3636.01 (f)	(a)	89.88	(a)	3546.13
	10/17/00*		(a)	89.87	(a)	3546.14
	02/15/01*		(a)	89.89	(a)	3546.12
	08/08/01		(a)	89.89	(a)	3546.12
	03/15/02*		(a)	89.94	(a)	3546.07
	08/05/02*		(a)	89.90	(a)	3546.11
	01/14/03*		(a)	89.99	(a)	3546.02
	10/13/03*		(a)	90.04	(a)	3545.97
	05/26/04*		(a)	90.70	(a)	3545.31
	11/10/04*		(a)	90.04	(a)	3545.97
	04/13/05*		(a)	90.03	(a)	3545.98
	11/29/05*		(a)	89.88	(a)	3546.13
	05/08/06*		(a)	89.80	(a)	3546.21
	12/11/06*		(a)	89.76	(a)	3546.25
	06/18/07*		(a)	89.68	(a)	3546.33
	12/05/07*		(a)	89.77	(a)	3546.24
	05/20/08*		(a)	89.72	(a)	3546.29
	12/08/08*		(a)	89.76	(a)	3546.25
	04/30/09*		(a)	89.76	(a)	3546.25
	01/27/10*		(a)	89.86	(a)	3546.15
	11/15/10*		(a)	89.89	(a)	3546.12
	05/17/11*		(a)	89.94	(a)	3546.07
	12/12/11*		(a)	90.03	(a)	3545.98
	04/23/12*		(a)	90.04	(a)	3545.97
	10/16/12*		(a)	90.04	(a)	3545.97

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-8	06/02/99	---	89.15	92.09	2.94	---
	06/04/99	3637.71 (e)	90.75	92.63	1.88	3546.58
	06/15/99		89.19	92.46	3.27	3547.87
	07/13/99		89.85	92.20	2.35	3547.39
	07/27/99		90.26	92.50	2.24	3547.00
	08/24/99		90.00	92.32	2.32	3547.25
	09/16/99		89.63	91.86	2.23	3547.63
	09/30/99		90.40	92.26	1.86	3546.94
	10/19/99		90.91	92.48	1.57	3546.49
	10/26/99		90.93	93.12	2.19	3546.34
	11/09/99		90.73	92.99	2.26	3546.53
	11/24/99		91.47	92.85	1.38	3545.96
	12/14/99		90.49	92.88	2.39	3546.74
	01/04/00		90.88	93.02	2.14	3546.40
	01/20/00		89.29	91.10	1.81	3548.06
	02/14/00*	3637.72 (f)	91.70	92.23	0.53	3545.91
	06/26/00		89.58	91.62	2.04	3547.73
	07/27/00		89.96	91.65	1.69	3547.42
	08/07/00		89.95	92.16	2.21	3547.33
	08/24/00		90.41	92.61	2.20	3546.87
	09/07/00		90.08	92.21	2.13	3547.21
	02/15/01*		91.80	92.01	0.21	3545.88
	03/09/01		90.33	92.54	2.21	3546.95
	03/29/01		90.75	93.39	2.64	3546.44
	08/08/01		90.45	91.98	1.53	3546.96
	02/01/02		91.65	91.74	0.09	3546.05
	02/11/02		91.70	92.55	0.85	3545.85
	03/15/02*		91.64	92.79	1.15	3545.85
	08/05/02*		90.65	90.68	0.03	3547.06
	01/14/03*		90.86	90.91	0.05	3546.85
	10/13/03*		90.92	90.95	0.03	3546.79
	05/26/04*		91.97	92.59	0.62	3545.63
	11/10/04*		(a)	91.90	(a)	3545.82
	04/13/05*		91.75	93.19	1.44	3545.68
	11/29/05*		(a)	91.32	(a)	3546.40
	05/08/06*		91.34	93.23	1.89	3546.00
	12/11/06*		91.49	92.86	1.37	3545.96
	06/18/07*		91.39	91.71	0.32	3546.27
	12/05/07*		91.58	91.59	0.01	3546.14
	05/20/08*		91.38	92.60	1.22	3546.10
	12/08/08*		91.49	92.53	1.04	3546.02
	04/30/09*		91.46	92.61	1.15	3546.03
	01/27/10*		91.73	92.31	0.58	3545.87
	11/15/10*		91.84	92.05	0.21	3545.84
	05/17/11*		91.96	91.97	0.01	3545.76
	12/12/11*		(a)	92.08	(a)	3545.64
	04/23/12*		92.10	92.10	sheen	3545.62
	10/16/12*		91.86	92.43	0.57	3545.75

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-9	06/02/99	---	89.28	91.56	2.28	---
	06/04/99	3637.48 (e)	90.41	93.14	2.73	3546.52
	07/20/99		90.09	92.80	2.71	3546.85
	08/03/99		90.05	92.98	2.93	3546.84
	08/10/99*		90.96	93.27	2.31	3546.06
	09/02/99		90.40	93.48	3.08	3546.46
	09/20/99		89.66	92.03	2.37	3547.35
	10/05/99		91.02	93.25	2.23	3546.01
	10/19/99		91.14	93.23	2.09	3545.92
	11/09/99		90.35	92.84	2.49	3546.63
	11/24/99		91.16	93.12	1.96	3545.93
	12/14/99		90.20	92.73	2.53	3546.77
	01/04/00		90.62	92.23	1.61	3546.54
	02/14/00*	3637.51 (f)	91.23	92.97	1.74	3545.93
	08/07/00		90.77	92.87	2.10	3546.32
	02/15/01*		91.44	92.10	0.66	3545.94
	08/08/01		89.99	91.41	1.42	3547.24
	02/01/02		91.29	91.97	0.68	3546.08
	02/11/02		91.42	92.44	1.02	3545.89
	03/15/02*		91.38	92.53	1.15	3545.90
	08/05/02*		90.10	90.36	0.26	3547.36
	01/14/03*		91.57	92.15	0.58	3545.82
	10/13/03*		91.99	92.65	0.66	3545.39
	05/26/04*		91.91	92.90	0.99	3545.40
	11/10/04*		(a)	91.33	(a)	3546.18
	04/13/05*		91.65	91.88	0.23	3545.81
	11/29/05*		91.10	91.11	0.01	3546.41
	05/08/06*		91.34	91.71	0.37	3546.10
	12/11/06*		91.37	91.75	0.38	3546.06
	06/18/07*		(a)	91.14	(a)	3546.37
	05/20/08*		(a)	91.32	(a)	3546.19
	12/08/08*		(a)	91.81	(a)	3545.70
	04/30/09*		91.39	91.39	sheen	3546.12
	01/27/10*		(a)	91.55	(a)	3545.96
	11/15/10*		(a)	90.26	(a)	3547.25
	05/17/11*		(a)	91.61	(a)	3545.90
	12/12/11*		(a)	90.45	(a)	3547.06
	04/23/12*		(a)	92.16	(a)	3545.35
	10/16/12*		(a)	92.11	(a)	3545.40

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-10	06/02/99	---	(a)	89.90	(a)	---
	06/04/99	3637.38 (e)	(a)	91.20	(a)	3546.18
	06/28/99		89.72	90.89	1.17	3547.43
	07/06/99		89.51	91.61	2.10	3547.45
	07/27/99		90.59	93.59	3.00	3546.19
	08/10/99*		90.88	93.51	2.63	3545.97
	08/24/99		90.70	93.25	2.55	3546.17
	09/07/99		90.65	93.44	2.79	3546.17
	09/23/99		90.62	93.18	2.56	3546.25
	10/12/99		90.79	93.49	2.70	3546.05
	10/26/99		90.84	93.09	2.25	3546.09
	11/09/99		90.76	92.98	2.22	3546.18
	11/24/99		90.43	92.42	1.99	3546.55
	12/14/99		90.67	92.91	2.24	3546.26
	02/01/00		89.89	92.41	2.52	3546.99
	02/14/00*	3637.36 (f)	91.06	93.19	2.13	3545.87
	02/22/00		90.84	91.68	0.84	3546.35
	03/06/00		90.75	91.96	1.21	3546.37
	03/27/00		91.06	91.53	0.47	3546.21
	04/10/00		90.07	92.14	2.07	3546.88
	05/25/00		90.25	92.15	1.90	3546.73
	06/08/00		90.76	92.83	2.07	3546.19
	06/26/00		90.61	92.01	1.40	3546.47
	07/27/00		90.58	91.78	1.20	3546.54
	08/07/00		90.94	92.39	1.45	3546.13
	08/24/00		91.16	92.01	0.85	3546.03
	02/15/01*		91.51	91.72	0.21	3545.81
	08/08/01		91.31	92.52	1.21	3545.81
	02/01/02		91.34	92.55	1.21	3545.78
	02/11/02		91.46	92.74	1.28	3545.64
	03/15/02*		91.48	92.39	0.91	3545.70
	08/05/02*		90.22	90.36	0.14	3547.11
	01/14/03*		91.48	92.45	0.97	3545.69
	10/13/03*		91.47	92.69	1.22	3545.65
	05/26/04*		91.62	92.19	0.57	3545.63
	11/10/04*		(a)	91.47	(a)	3545.89
	04/13/05*		91.47	92.88	1.41	3545.61
	11/29/05*		(a)	91.35	(a)	3546.01
	05/08/06*		91.48	91.65	0.17	3545.85
	12/11/06*		91.52	92.05	0.53	3545.73
	06/18/07*		90.02	90.05	0.03	3547.33
	12/05/07*		91.49	91.53	0.04	3545.86
	05/20/08*		(a)	91.35	(a)	3546.01
	12/08/08*		(a)	91.45	(a)	3545.91
	04/30/09*		91.43	91.44	0.01	3545.93
	01/27/10*		(a)	91.56	(a)	3545.80
	11/15/10*		(a)	90.30	(a)	3547.06
	05/17/11*		(a)	91.89	(a)	3545.47
	12/12/11*		(a)	90.49	(a)	3546.87
	04/23/12*		(a)	90.49	(a)	3546.87
	10/16/12*		(a)	91.85	(a)	3545.51

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-11	06/02/99	---	(a)	90.89	(a)	---
	06/04/99	3637.31 (e)	(a)	91.45	(a)	3545.86
	06/15/99		(a)	91.44	(a)	3545.87
	06/24/99		(a)	91.47	(a)	3545.84
	07/13/99		(a)	91.46	(a)	3545.85
	07/27/99		(a)	91.51	(a)	3545.80
	08/10/99*		(a)	91.45	(a)	3545.86
	08/24/99		(a)	91.40	(a)	3545.91
	09/07/99		(a)	91.42	(a)	3545.89
	09/23/99		(a)	91.51	(a)	3545.80
	10/12/99		(a)	91.51	(a)	3545.80
	10/26/99		(a)	91.48	(a)	3545.83
	11/09/99		(a)	91.44	(a)	3545.87
	11/24/99		(a)	91.49	(a)	3545.82
	12/14/99		(a)	91.45	(a)	3545.86
	12/28/99		(a)	91.45	(a)	3545.86
	01/13/00		(a)	91.59	(a)	3545.72
	01/20/00		(a)	91.48	(a)	3545.83
	02/01/00		(a)	91.53	(a)	3545.78
	02/14/00*	3637.31 (f)	(a)	91.53	(a)	3545.78
	02/22/00		(a)	91.48	(a)	3545.83
	03/06/00		(a)	91.43	(a)	3545.88
	03/27/00		(a)	91.58	(a)	3545.73
	04/10/00		(a)	91.48	(a)	3545.83
	04/27/00		(a)	91.54	(a)	3545.77
	05/08/00		(a)	91.47	(a)	3545.84
	05/25/00		(a)	91.52	(a)	3545.79
	06/08/00		(a)	91.51	(a)	3545.80
	06/26/00		(a)	91.52	(a)	3545.79
	07/11/00		(a)	91.51	(a)	3545.80
	07/27/00		(a)	91.50	(a)	3545.81
	08/07/00		(a)	91.51	(a)	3545.80
	08/24/00		(a)	91.50	(a)	3545.81
	09/07/00		(a)	91.49	(a)	3545.82
	10/09/00		(a)	91.51	(a)	3545.80
	10/17/00*		(a)	91.45	(a)	3545.86
	11/02/00		(a)	91.51	(a)	3545.80
	11/22/00		(a)	91.50	(a)	3545.81
	12/11/00		(a)	91.51	(a)	3545.80
	01/05/01		(a)	91.52	(a)	3545.79
	01/22/01		(a)	91.52	(a)	3545.79
	02/09/01		(a)	91.53	(a)	3545.78
	02/15/01*		(a)	91.54	(a)	3545.77
	03/09/01		(a)	91.52	(a)	3545.79
	03/29/01		(a)	91.52	(a)	3545.79
	08/08/01		(a)	91.54	(a)	3545.77

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
	02/01/02		(a)	91.72	(a)	3545.59
	03/15/02*		(a)	91.65	(a)	3545.66
	08/05/02*		(a)	90.44	(a)	3546.87
	01/14/03*		(a)	91.76	(a)	3545.55
	10/13/03*		(a)	91.78	(a)	3545.53
	05/26/04*		(a)	91.88	(a)	3545.43
	11/10/04*		(a)	91.83	(a)	3545.48
	04/13/05*		(a)	91.81	(a)	3545.50
	11/29/05*		(a)	91.63	(a)	3545.68
	05/08/06*		(a)	90.41	(a)	3546.90
	12/11/06*		(a)	90.42	(a)	3546.89
	06/18/07*		(a)	90.25	(a)	3547.06
	12/05/07*		(a)	90.38	(a)	3546.93
	05/20/08*		(a)	90.34	(a)	3546.97
	12/08/08*		(a)	90.42	(a)	3546.89
	04/30/09*		(a)	90.39	(a)	3546.92
	01/27/10*		(a)	90.50	(a)	3546.81
	11/15/10*		(a)	90.50	(a)	3546.81
	05/17/11*		(a)	90.57	(a)	3546.74
	12/12/11*		(a)	90.66	(a)	3546.65
	04/23/12*		(a)	90.66	(a)	3546.65
	10/16/12*		(a)	91.81	(a)	3545.50

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-12	06/02/99	---	88.75	91.36	2.61	---
	06/04/99	3637.39 (e)	90.34	92.64	2.30	3546.59
	06/24/99		90.81	93.71	2.90	3546.00
	07/01/99		88.78	92.09	3.31	3547.95
	07/15/99		90.51	93.29	2.78	3546.32
	08/10/99*		90.95	93.08	2.13	3546.01
	08/24/99		90.50	92.61	2.11	3546.47
	09/09/99		90.48	93.16	2.68	3546.37
	09/23/99		90.19	92.42	2.23	3546.75
	10/12/99		90.61	93.28	2.67	3546.25
	10/28/99		90.57	92.93	2.36	3546.35
	11/09/99		90.60	93.08	2.48	3546.29
	11/24/99		91.06	93.22	2.16	3545.90
	12/14/99		90.45	93.19	2.74	3546.39
	01/20/00		89.20	90.99	1.79	3547.83
	02/01/00		89.03	90.84	1.81	3548.00
	02/14/00*	3637.41 (f)	91.16	93.01	1.85	3545.88
	10/09/00		90.15	91.51	1.36	3546.99
	11/02/00		91.11	93.05	1.94	3545.91
	10/17/00*		90.93	92.49	1.56	3546.17
	02/15/01*		91.45	91.76	0.31	3545.90
	08/08/01		90.38	90.50	0.12	3547.01
	02/01/02		(a)	90.37	(a)	3547.04
	02/11/02		(a)	90.62	(a)	3546.79
	03/15/02*		91.38	92.27	0.89	3545.85
	08/05/02*		90.34	90.54	0.20	3547.03
	01/14/03*		91.50	92.03	0.53	3545.80
	10/13/03*		91.49	92.29	0.80	3545.76
	05/26/04*		91.94	92.78	0.84	3545.30
	11/10/04*		91.32	92.88	1.56	3545.78
	04/13/05*		91.64	91.65	0.01	3545.77
	11/29/05*		91.19	91.20	0.01	3546.22
	05/08/06*		91.04	92.58	1.54	3546.06
	12/11/06*		91.29	92.16	0.87	3545.95
	06/18/07*		90.10	90.11	0.01	3547.31
	12/05/07*		90.30	90.31	0.01	3547.11
	05/20/08*		(a)	90.19	(a)	3547.22
	12/08/08*		(a)	90.29	(a)	3547.12
	04/30/09*		90.26	90.26	sheen	3547.15
	01/27/10*		(a)	90.41	(a)	3547.00
	11/15/10*		(a)	90.40	(a)	3547.01
	05/17/11*		(a)	90.50	(a)	3546.91
	12/12/11*		(a)	90.59	(a)	3546.82
	04/23/12*		(a)	90.57	(a)	3546.84
	10/16/12*		(a)	90.54	(a)	3546.87

Table 1. Summary of Groundwater Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-13	12/28/99	3637.33 (f)	91.20	91.99	0.79	3545.97
	01/25/00		90.76	91.79	1.03	3546.36
	02/14/00*		91.13	92.87	1.74	3545.85
	02/22/00		90.48	91.56	1.08	3546.63
	03/09/00		90.38	92.84	2.46	3546.46
	04/27/00		90.28	92.29	2.01	3546.65
	05/08/00		90.07	92.08	2.01	3546.86
	05/25/00		90.27	92.86	2.59	3546.54
	06/19/00		90.64	92.09	1.45	3546.40
	07/11/00		90.51	91.57	1.06	3546.61
	08/07/00		90.60	93.20	2.60	3546.21
	02/15/01*		91.38	91.40	0.02	3545.95
	08/08/01		91.27	91.80	0.53	3545.95
	02/01/02		91.42	91.67	0.25	3545.86
	02/11/02		91.50	91.71	0.21	3545.79
	03/15/02*		91.36	91.55	0.19	3545.93
	08/05/02*		90.27	90.52	0.25	3547.01
	01/14/03*		91.45	91.74	0.29	3545.82
	10/13/03*		91.43	91.88	0.45	3545.81
	05/26/04*		91.79	93.07	1.28	3545.28
	11/10/04*		91.11	93.17	2.06	3545.81
	04/13/05*		91.22	92.91	1.69	3545.77
	11/29/05*		(a)	91.20	(a)	3546.13
	05/08/06*		91.01	92.35	(a)	3544.98
	12/11/06*		91.03	92.51	1.48	3546.00
	06/18/07*		90.82	92.07	1.25	3546.26
	12/05/07*		91.04	92.22	1.18	3546.05
	05/20/08*		90.88	92.54	1.66	3546.12
	12/08/08*		91.03	92.46	1.43	3546.01
	04/30/09*		90.99	92.42	1.43	3546.05
	01/27/10*		91.18	92.17	0.99	3545.95
	11/15/10*		90.41	90.74	0.33	3546.85
	05/17/11*		91.31	91.89	0.58	3545.90
	12/12/11*		90.58	90.73	0.15	3546.72
	04/23/12*		90.58	90.61	0.03	3546.74
	10/16/12*		(a)	91.54	(a)	3545.79

NOTES:

(a) Not applicable since no measurable thickness of hydrocarbon is present

(b) Corrections to ground water surface elevation for presence of hydrocarbon is calculated assuming a specific gravity of 0.8

(c) TOC elevation based on survey by John West Surveying Co. on 12/28/95

(d) TOC elevation based on survey by CES (GCR) on 01/09/98

(e) TOC elevation based on survey by CES (GCR) on 08/11/99

(f) TOC elevation based on survey by John West Surveying Co. on 12/27/99
w/adjustments: MW-2=+0.06, MW-7 & SVE-1-13=+0.08, MW-10-13=+0.02

(g) TOC elevation based on survey by John West Surveying Co. on 01/09/03

"*" Indicates depth measurements on this date were associated with a routine groundwater sampling event

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-1	10/24/93	-	**24**	29	32	82	-	-	-	-
	12/07/94	-	**92**	50	54	< 111	-	8.82	-	-
	05/31/95	-	8	13	9	29	-	8.80	-	-
	12/14/95	-	< 200	366	< 200	204	-	**9.55**	18.7	8090
	02/21/96	757	**13**	62	29	53	-	-	-	-
	05/16/96	-	**15**	9	33	47	-	**9.68**	26.7	14650
	08/14/96	744	**11**	5	23	30	< 1	8.97	23.2	8490
	11/14/96	-	2.4	4.9	13	9	< 1	8.38	19.7	-
	02/08/97	-	**11**	13	11	14	< 1	**9.32**	14.5	9200
	08/09/97	-	**14**	14	12	12	0	8.92	23.1	8750
	02/25/98	-	6.54	7.66	8.45	7.01	0	**9.45**	19.7	9340
	08/03/98	-	6.5	6.4	11	11	1.5	8.59	22.4	7450
	02/10/99	-	5	3	14	3	1.3	8.63	22.2	7160
	08/10/99	-	**11**	10	11	7	0.7	**9.08**	23.8	7090
	02/14/00	-	7.8	5.4	18	7.8	3.4	**9.37**	20.6	9240
	10/17/00	-	5.77	4.93	8	5.1	3.3	**9.53**	21.6	9240
	02/16/01	-	4.07	3.75	8.17	4.42	-	**9.98**	20.4	12120
	08/08/01	-	8.38	9.79	2.71	7.16	4.2	**9.06**	21.2	10240
	03/16/02	-	< 5	< 5	< 5	< 5	0.2	8.68	22.8	6460
	08/05/02	-	8.2	12	1.1	5.0	3.2	8.43	21.6	10020
	01/14/03	-	9.2	13	0.61	6.5	0.5	8.94	23.0	6290
	10/15/03	-	2.0	2.5	< 0.50	1.6	0.13	8.98	21.3	6633
	05/26/04	-	**11**	17	0.92	8.9	1.3	**9.07**	21.8	5610
	11/11/04	-	9.5	14	0.55	6.3	1.3	**9.54**	20.7	6120
	04/13/05	-	9.1	14	0.52	6.3	1.8	**9.10**	21.1	5840
	11/30/05	-	5.6	7.3	< 0.50	3.4	2.43	8.84	20.7	4875
	05/10/06	-	5.3	6.5	< 1	3.4	0.93	**9.03**	21.0	5375
	12/13/06	-	5.0	6.2	1.8	< 3	1.95	8.83	20.8	3851
	06/20/07	-	5.4	6.2	< 1	2.0	0.89	**9.07**	21.0	5749
	12/05/07	-	2.6	2.6	< 1	< 2	1.06	-	20.5	5155
	05/20/08	-	5.0	5.8	< 1	< 2	0.93	**9.03**	21.3	4863
	12/09/08	-	6.4	7.1	< 1	< 2	1.80	8.20	19.5	3075
	04/30/09	-	5.2	6.1	< 1	< 2	1.25	8.79	21.3	5595
	01/27/10	-	< 10	< 10	< 10	< 20	1.25	8.89	20.6	5149
	11/17/10	-	< 10	< 10	< 10	< 20	1.38	8.38	20.5	4566
	05/18/11	-	4.5	2.8	< 1	< 2	1.83	8.08	21.7	4776
	12/12/11	-	6.2	3.3	< 1	< 2	1.83	7.97	14.6	5629
	04/23/12	-	5.0	2.8	2.0	3.0	4.04	8.34	21.3	6021
	10/17/12	-	5.0	2.0	< 1	< 2	1.13	7.90	21.5	4926

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-2	10/19/93	-	< 5	< 5	< 5	< 5	-	-	-	-
	12/07/94	-	6	5	< 2	< 4	-	7.18	-	-
	05/31/95	-	3	< 2	< 2	< 2	-	7.40	-	-
	12/14/95	-	< 2	< 2	< 2	< 2	-	8.26	19.8	3890
	02/20/96	< 50	< 2	< 2	< 2	< 2	-	7.07	22.2	2220
	05/16/96	< 50	< 2	< 2	< 2	< 2	-	7.84	24.4	3950
	08/13/96	-	< 2	< 2	< 2	< 3	3	8.62	27.2	6860
	11/14/96	-	< 2	< 2	< 2	< 2	2	7.67	16.9	-
	02/08/97	-	< 2	< 2	< 2	< 2	4	7.38	13.7	2000
	08/08/97	-	7.3	5.4	< 2	2.7	1.7	7.38	22.0	1701
	02/25/98	-	< 5	< 5	< 5	< 5	2.8	7.56	18.6	1433
	08/03/98	-	< 5	< 5	< 5	< 5	3.6	8.12	22.5	3340
	02/10/99	-	1	< 1	< 1	< 1	2.5	7.53	22.1	1284
	08/10/99	-	2	< 2	< 2	< 2	2.5	7.84	21.8	2000
	02/14/00	-	**12**	7.4	< 1	3.9	4.3	**9.10**	20.3	6680
	10/17/00	-	0.831	< 0.500	< 0.500	< 1.00	3.4	8.99	21.0	5010
	02/16/01	-	1.15	< 0.500	< 0.500	< 1.00	2.5	**9.21**	19.0	5280
	08/08/01	-	2.43	1.04	< 1	< 2	2.8	8.72	20.8	5180
	03/16/02	-	< 5	< 5	< 5	< 5	2.3	8.36	22.2	3550
	08/05/02	-	0.90	< 0.50	< 0.50	< 0.50	4.9	7.74	21.2	4130
	01/14/03	-	5.7	3.5	< 0.50	1.6	1.6	8.17	22.8	2410
	10/15/03	-	1.3	< 0.50	< 0.50	< 0.50	1.53	7.74	20.7	2121
	05/26/04	-	6.1	3.7	< 0.50	2.1	1.6	7.90	21.1	3760
	11/10/04	-	1.3	0.76	< 0.50	< 0.50	1.1	8.49	20.5	2160
	04/13/05	-	**16**	12	< 0.50	5.5	2.7	8.02	21.0	1430
	11/30/05	-	3.8	2.0	< 0.50	1.4	1.8	7.79	20.4	944
	05/10/06	-	2.9	1.7	< 1	< 3	1.97	7.83	20.3	1653
	12/13/06	-	7.0	4.9	< 1	< 3	2.08	7.77	20.3	1075
	06/20/07	-	5.4	4.7	< 1	< 2	1.40	8.34	20.5	1944
	12/06/07	-	5.1	3.8	< 1	< 2	1.92	8.83	18.2	843
	05/22/08	-	3.7	2.8	< 1	< 2	1.24	8.98	20.4	1261
	12/08/08	-	1.4	1.1	< 1	< 2	1.75	7.66	18.5	887
	04/30/09	-	**10**	9.8	< 1	3.7	1.64	7.84	21.1	2264
	01/28/10	-	< 1	< 1	< 1	< 2	1.97	7.92	19.1	1264
	11/17/10	-	9.2	6.4	< 1	3.3	1.46	7.71	20.3	1343
	05/18/11	-	4.5	2.4	< 1	< 2	2.37	8.05	20.8	1724
	12/12/11	-	7.4	4.8	< 1	< 2	1.75	8.15	18.5	1925
	04/23/12	-	**14**	9.1	< 1	5.5	3.34	8.59	20.5	4292
	10/17/12	-	2.0	< 1	< 1	< 2	1.91	7.80	20.6	1421

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-3	10/20/93	-	< 5	< 5	< 5	< 5	-	-	-	-
	12/07/94	-	< 2	< 2	< 2	< 4	-	7.32	-	-
	05/31/95	-	< 2	< 2	< 2	< 2	-	7.70	-	-
	12/14/95	-	< 2	< 2	< 2	< 2	-	7.79	23.0	480
	02/20/96	-	< 2	< 2	< 2	2	-	7.52	22.7	490
	05/16/96	< 50	< 2	< 2	< 2	< 2	-	7.62	27.2	558
	08/13/96	-	< 2	< 2	< 2	< 3	10	7.46	28.9	550
	11/14/96	-	< 2	< 2	< 2	< 2	8	7.37	17.2	-
	02/08/97	-	< 2	< 2	< 2	< 2	8	7.35	15.3	400
	08/09/97	-	< 2	< 2	< 2	< 2	8.1	7.53	21.6	573
	02/25/98	-	< 5	< 5	< 5	< 5	8.1	7.51	18.7	484
	08/03/98	-	< 5	< 5	< 5	< 5	8.5	7.51	21.8	516
MW-4	12/07/94	-	**18**	71	4	160	-	**9.7**	-	-
	05/31/95	-	**300**	**1300**	< 2	**800**	-	**10.0**	-	-
	12/13/95	-	**445**	**1380**	< 200	**970**	-	**10.73**	17.7	6300
	02/21/96	2520	**< 200**	454	< 200	460	-	-	-	-
	05/16/96	58800	**92**	549	52	**1370**	-	**9.93**	27.5	9840
	08/14/96	80200	**333**	**992**	< 200	**2630**	< 1	**12.89**	24.0	6480
	11/14/96	-	**260**	**1010**	55	**1200**	< 1	8.51	21.1	-
	02/08/97	-	**240**	**1000**	< 100	**1200**	< 1	**10.73**	16.5	7600

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-5	12/07/94	-	9	20	4	64	-	**9.29**	-	-
	05/31/95	-	**51**	109	16	219	-	**9.00**	-	-
	12/12/95	-	**27**	26	16	107	-	**10.40**	21.5	12420
	02/21/96	1090	**45**	59	17	133	-	**12.96**	20.4	9860
	05/16/96	1710	**51**	52	26	177	-	8.85	26.7	10110
	08/14/96	28900	**48**	33	21	150	< 1	**9.10**	24.4	10620
	11/14/96	-	**67**	56	32	270	< 1	8.61	22.6	-
	02/08/97	-	**75**	60	26	140	< 1	**9.58**	15.3	4200
	08/09/97	-	**140**	110	47	370	0.6	8.74	26.1	12060
	02/25/98	-	**91.8**	100	19.5	172.1	0.6	8.97	18.9	11540
	08/04/98	-	**110**	96	27	190	2.5	8.73	24.0	11760
	02/11/99	-	**120**	140	18	200	1.3	8.94	17.3	12000
	08/10/99	-	**82**	76	20	130	1.5	8.71	21.6	11010
	02/14/00	-	**110**	72	33	200	1.0	8.92	21.3	11980
	10/18/00	-	**168**	230	30.4	306	3.1	8.63	21.5	9460
	02/15/01	-	**104**	74.9	26.1	157	1.1	8.61	21.5	10000
	08/09/01	-	**106**	100	22.5	169.8	1.0	8.37	21.5	8710
	03/17/02	-	**92**	30.9	14.8	95.6	0.5	8.72	23.1	10780
	08/06/02	-	**120**	97	23	150	1.6	7.71	22.4	8900
	01/15/03	-	**110**	53	30	130	1.5	8.51	23.2	9160
	10/14/03	-	**93**	34	32	62	0.82	8.23	20.8	8217
	05/27/04	-	**80**	69	28	97	1.60	8.32	20.4	7640
	11/11/04	-	**54**	50	19	64	1.50	8.47	20.2	6480
	04/13/05	-	**110**	210	22	210	-	-	-	-
	11/30/05	-	**41**	46	9.1	54	1.14	8.53	20.7	6131
	05/08/06	-	**49**	63	< 5	54	0.99	8.66	21.8	6628
	12/12/06	-	**21**	19	2.9	24	0.81	8.92	20.8	6219
	06/19/07	-	**46**	56	23	67	0.71	8.70	22.6	6313
	12/06/07	-	**27**	39	3.7	46	0.85	**9.15**	20.8	6429
	05/22/08	-	**40**	75	5.5	87	1.12	8.71	21.3	5424
	12/10/08	-	**14**	18	1.6	22	0.70	8.73	19.2	5376
	05/01/09	-	8.8	8.2	< 1	12	2.05	8.63	21.5	6514
	01/28/10	-	**13**	16	< 5	15	0.67	8.77	18.5	4975
	11/17/10	-	**17**	26	< 5	29	1.07	8.76	20.7	5125
	05/18/11	-	**20**	37	2.6	40	1.46	8.70	21.4	5642
	12/12/11	-	**12**	17	1.4	19	1.48	8.86	19.3	4965
	04/24/12	-	**14**	21	1.8	22	0.71	8.62	21.5	4470
	10/17/12	-	**13**	20	1.5	19	1.08	**9.08**	21.5	5249

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-6	12/07/94	-	< 2	3	< 2	< 6	-	8.51	-	-
	05/31/95	-	**28**	26	4	57	-	**9.20**	-	-
	12/12/95	-	**18**	11	3	33	-	**9.13**	21.6	6150
	02/20/96	277	**16**	12	6	48	-	**9.04**	21.7	6000
	05/16/96	618	**24**	26	10	74	-	**9.09**	28.4	7880
	08/14/96	27100	**24**	23	< 20	80	< 1	8.79	23.1	6590
	11/14/96	-	**38**	31	11	43	< 1	8.62	21.9	-
	02/08/97	-	**24**	22	11	75	< 1	**9.67**	17.4	8700
	08/09/97	-	**68**	58	28	150	0	**9.14**	24.0	8470
	02/25/98	-	**26.1**	25.0	13.7	107.0	0.1	**9.06**	18.4	7390
	08/04/98	-	**29**	22	24	120	1.9	**9.01**	24.3	8540
	02/10/99	-	**32**	37	15	140	-	-	-	-
	08/10/99	-	**110**	68	110	360	1.5	**9.02**	21.5	8060
	02/14/00	-	**29**	18	32	100	1.1	**9.28**	20.6	8890
	10/18/00	-	**26.8**	20.1	26.2	92.7	1.0	8.98	21.0	8980
	02/15/01	-	**27.9**	18.8	31.0	98.5	0.6	**9.03**	21.0	7230
	08/09/01	-	**29.8**	21	27.2	87.28	1.1	**9.08**	20.8	6820
	03/17/02	-	**24.9**	14.7	16.2	59.8	0.5	**9.42**	22.4	9010
	08/06/02	-	**32**	18	23	77	2.1	8.05	21.7	6560
	01/15/03	-	**33**	20	29	81	0.5	**9.36**	22.6	7770
	10/14/03	-	**36**	19	30	89	0.82	**9.26**	20.1	7011
	05/27/04	-	**42**	34	27	76	1.5	**9.53**	19.8	7170
	11/11/04	-	**36**	19	29	71	1.5	**9.33**	18.8	5820
	04/14/05	-	**34**	15	36	65	-	-	-	-
	11/30/05	-	**44**	39	27	66	1.42	**9.18**	20.1	5241
	05/09/06	-	**40**	40	31	57	1.09	**9.30**	21.2	5890
	12/12/06	-	**39**	39	25	58	1.20	**9.45**	20.2	5248
	06/19/07	-	**27**	39	4.3	47	1.54	**9.58**	21.7	6363
	12/06/07	-	**25**	24	23	40	1.11	**10.54**	20.2	5934
	05/22/08	-	**33**	36	24	49	0.87	**9.41**	21.0	5208
	12/10/08	-	**35**	43	17	41	1.42		17.7	4618
	05/01/09	-	**76**	120	20	91	1.88	**9.40**	21.3	8919
	01/28/10	-	**21**	31	11	20	1.47	**9.43**	16.6	4529
	11/17/10	-	**35**	64	13	41	1.42	**9.47**	20.0	5095
	05/18/11	-	**44**	77	9.9	48	1.12	**9.43**	21.8	5501
	12/12/11	-	**23**	38	7.2	24	1.56	**9.81**	17.7	6113
	04/24/12	-	**26**	43	8.7	29	1.19	**9.33**	21.3	4425
	10/17/12	-	**19**	24	6.6	16	1.56	**9.63**	21.1	5879

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-7	12/13/95	-	< 2	< 2	< 2	< 2	-	7.15	19.5	4580
	02/20/96	< 50	2	< 2	< 2	< 2	-	6.47	22.5	6310
	05/15/96	< 50	4	< 2	2	< 2	-	6.57	25.9	7070
	08/14/96	< 50	**11**	< 2	< 2	< 2	2	6.80	22.3	5270
	11/14/96	-	< 2	< 2	< 2	< 2	< 1	6.79	18.7	-
	02/08/97	-	< 2	< 2	< 2	< 2	1.4	6.97	15.0	5700
	08/08/97	-	< 2	< 2	< 2	< 2	0.9	6.84	22.6	6650
	02/24/98	-	< 5	< 5	< 5	< 5	2.0	6.79	20.3	6730
	08/04/98	-	< 5	5.6	< 5	< 5	2.3	6.80	22.8	7030
	08/10/99	-	< 2	< 2	< 2	< 2	2.5	6.86	21.3	6380
	02/15/00	-	< 1	< 1	2.0	1.1	2.1	6.87	20.4	5650
	10/18/00	-	0.702	< 0.500	< 0.500	< 1.00	2.1	6.67	19.9	4600
	02/15/01	-	0.514	< 0.500	< 0.500	< 1.00	1.5	6.83	20.9	5750
	08/08/01	-	< 1	< 1	< 1	< 2	1.4	6.73	20.8	5330
	03/17/02	-	< 1	1.3	< 1	< 1	1.7	6.87	22.1	5560
	08/06/02	-	< 0.50	< 0.50	1.1	< 0.50	2.9	6.92	22	4380
	01/16/03	-	0.69	< 0.50	< 0.50	< 0.50	1.4	6.67	22.6	5740
	10/15/03	-	0.62	< 0.50	0.56	< 0.50	1.06	6.63	20.5	5515
	06/27/04	-	0.64	< 0.50	1.1	0.63	1.66	6.72	20.7	5517
	11/10/04	-	0.54	< 0.50	0.50	< 0.50	1.49	6.40	20.3	4797
	04/14/05	-	< 0.50	< 0.50	< 0.50	0.51	1.00	6.72	19.7	5290
	11/30/05	-	0.57	< 0.50	0.50	< 0.50	0.94	6.77	20.1	4582
	05/09/06	-	< 1	< 1	< 1	< 1	1.26	6.66	20.7	4163
	12/12/06	-	< 1	< 1	< 1	< 3	1.43	6.97	19.9	4428
	06/18/07	-	< 1	< 1	< 1	< 2	1.27	6.01	20.7	4696
	12/05/07	-	< 1	< 1	< 1	< 2	1.80	-	20.7	3862
	05/21/08	-	< 1	< 1	< 1	< 2	1.41	7.50	21.0	4370
	12/10/08	-	< 1	< 1	< 1	< 2	2.75	6.87	16.9	4040
	04/30/09	-	< 1	< 1	< 1	< 2	1.27	6.58	21.1	4392
	01/27/10	-	< 10	< 10	< 10	< 20	2.10	6.67	20.1	5389
	11/17/10	-	< 10	< 10	< 10	< 20	1.92	6.71	19.6	5306
	05/18/11	-	< 1	< 1	< 1	< 2	1.68	6.79	20.6	5572
	12/12/11	-	< 1	< 1	< 1	< 2	1.88	6.87	19.5	5764
	04/23/12	-	< 1	< 1	< 1	< 2	2.01	6.54	20.4	6037
	10/17/12	-	< 1	< 1	< 1	< 2	1.67	6.96	20.8	6510

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-8	12/12/95	-	**227**	391	< 200	228	-	8.76	19.7	4790
	02/21/96	1630	**191**	379	< 20	300	-	**9.34**	21.2	2920
	05/16/96	1110	**47**	94	5	91	-	8.43	27.2	6870
	08/14/96	45500	**54**	110	< 20	93	< 1	8.75	23.6	2440
	11/14/96	-	**110**	230	11	160	< 1	8.61	21.6	-
	02/08/97	-	**98**	210	8	130	0.4	**9.57**	16.9	4000
	08/09/97	-	**430**	660	< 100	610	0.1	**9.17**	24.7	5010
	02/26/98	-	**248**	461	14.9	388.2	1.1	**9.36**	18.3	4130
	08/04/98	-	**200**	410	19	340	2.6	**9.14**	22.5	4080
	02/11/99	-	**210**	360	15	400	0.8	**9.43**	19.6	4480
	08/11/99	-	**150**	290	12	310	0.9	**9.37**	21.1	4760
	02/14/00	-	**150**	310	17	280	0.6	**9.39**	20.6	5030
	10/19/00	-	**285**	547	27.1	512	2.2	**9.38**	20.1	4430
	02/16/01	-	**255**	446	21.2	425	0.0	**9.51**	20.8	6640
	08/09/01	-	**239**	430	24.5	442	1.0	**9.66**	20.9	4260
	03/17/02	-	**229**	345	< 20	306	0.0	**9.35**	22.4	8050
	08/06/02	-	**120**	290	49	210	0.0	**9.26**	23.3	5990
	01/16/03	-	**140**	270	12	270	0.0	**9.26**	22.5	6500
	10/15/03	-	**180**	340	20	320	0.45	**9.32**	20.62	7704
	05/27/04	-	**190**	340	24	360	0.9	**9.34**	20.6	3960
	11/11/04	-	**140**	240	14	250	0.6	**9.59**	20.0	3850
	04/14/05	-	**270**	200	29	450	-	-	-	-
	12/01/05	-	**140**	200	13	230	1.07	**9.51**	19.4	3590
	05/09/06	-	**160**	350	< 5	240	1.33	**9.58**	21.3	3824
	12/12/06	-	**160**	330	14	310	0.89	**9.67**	19.9	4040
	06/19/07	-	**260**	290	25	460	0.58	**9.19**	21.2	6189
	12/06/07	-	**230**	380	23	430	0.60	**10.34**	20.2	5676
	05/21/08	-	**140**	240	12	260	0.78	**9.25**	21.1	4534
	12/10/08	-	**270**	100	28	450	0.81	**9.22**	18.5	7008
	05/01/09	-	**230**	140	23	420	2.10	**9.28**	21.2	3885
	01/28/10	-	**100**	190	< 10	180	1.00	**9.45**	19.2	5869
	11/17/10	-	**110**	210	12	230	1.30	**9.52**	20.2	3636
	05/18/11	-	**150**	230	15	280	0.87	**9.53**	21.5	4527
	12/12/11	-	**86**	150	8.0	160	1.59	**9.53**	19.6	3545
	04/24/12	-	**150**	190	16	280	1.08	**9.39**	21.5	3700
	10/17/12		**260**	30	21	**650**	1.22	**9.41**	20.7	3430

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-9	12/12/95	-	**< 200**	241	< 200	383	-	7.17	23.2	14520
	02/21/96	2540	**331**	662	< 200	< 200	-	-	-	-
	05/16/96	42100	**460**	450	< 200	**1650**	-	6.93	30.1	17580
	08/14/96	46200	**250**	340	< 50	**800**	-	-	26.8	11640
	11/14/96	-	**240**	410	28	**780**	< 1	8.72	23.2	-
	02/08/97	-	**250**	480	< 100	**930**	< 1	7.50	18.9	17700
	08/09/97	-	**490**	**810**	< 100	**1100**	1.3	7.20	25.9	17080
	02/25/98	-	**251**	693	< 50	**845**	0	7.21	19.4	19960
	08/04/98	-	**190**	460	28	**680**	1.2	7.31	22.3	-
	02/11/99	-	**230**	510	25	580	1.2	7.25	20.1	17460
	08/11/99	-	**210**	430	20	560	2.3	7.34	21.5	16650
	02/14/00	-	**190**	280	32	**670**	1.8	7.35	21.1	16600
	10/19/00	-	**240**	108	28.9	**711**	2.3	7.38	20.9	14880
	02/15/01	-	**176**	85.9	25.7	**638**	1.4	7.41	20.9	16150
	08/09/01	-	**176**	50.8	22.8	534	1.0	7.29	21.3	15180
	03/17/02	-	**197**	< 100	< 100	466	0.6	7.27	22.8	17130
	08/06/02	-	**220**	45	53	530	1.6	7.20	21.4	14810
	01/16/03	-	**260**	94	23	**700**	0.6	7.25	22.8	16050
	10/15/03	-	**240**	200	32	**690**	1.08	7.27	21.3	15490
	05/27/04	-	**250**	110	34	**660**	0.8	7.10	20.6	14600
	11/11/04	-	**270**	81	28	**670**	1.3	7.20	18.8	12540
	04/14/05	-	**220**	140	22	**610**	-	-	-	-
	12/01/05	-	**280**	78	27	**770**	1.51	7.50	19.5	11970
	05/09/06	-	**410**	180	58	**1100**	1.00	7.41	21.4	12370
	12/12/06	-	**410**	120	32	**1200**	0.80	7.67	20.0	12140
	06/19/07	-	**290**	110	30	**860**	0.69	8.24	22.1	12910
	12/06/07	-	**340**	15	28	**850**	1.44	7.53	20.2	12180
	05/21/08	-	**230**	83	24	**740**	0.95	7.85	21.9	11960
	12/10/08	-	**240**	50	25	**730**	0.90	7.43	18.9	12220
	05/01/09	-	**260**	34	26	**790**	1.74	6.85	21.3	14180
	01/28/10	-	**240**	< 10	20	**630**	1.02	7.67	18.2	10390
	11/18/10	-	**240**	140	24	**670**	1.49	7.09	20.5	13920
	05/18/11	-	**260**	66	28	**790**	1.29	7.27	21.2	13470
	12/12/11	-	**250**	48	28	**750**	1.29	7.43	19.4	12070
	04/24/12	-	**230**	39	26	**690**	1.10	7.42	21.3	9986
	10/17/12	-	**120**	190	13	230	1.22	7.30	21.4	9954

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-10	01/09/98	-	**49**	37	4.3	71	-	-	-	-
	02/25/98	-	**60.3**	46.3	< 5	79.1	0.7	6.74	18.7	953
	08/04/98	-	**56**	39	5.4	85	3.0	6.81	23.8	11040
	02/11/99	-	**56**	24	5	89	0.9	6.87	16.7	9860
	08/11/99	-	**33**	7	3	32	1.5	6.88	20.8	9320
	02/15/00	-	**46**	9.0	4.5	32	1.7	6.88	20.5	9600
	10/19/00	-	**21.9**	2.7	1.57	16.1	2.0	6.85	20.4	9060
	02/15/01	-	**18.7**	2.18	1.28	18.8	1.4	6.89	21.1	10200
	08/09/01	-	**17.8**	2.21	1.22	16.49	1.0	6.85	20.5	10060
	03/16/02	-	**35.4**	7.00	< 0.5	26.9	1.0	6.93	21.8	11550
	08/06/02	-	**23**	2.7	2.4	31	0.8	6.94	23.3	11600
	01/16/03	-	**20**	4.1	2.4	36	1.2	6.89	22.0	11790
	10/14/03	-	**22**	3.2	3.5	22	2.14	6.82	20.7	11850
	05/27/04	-	**25**	4.5	4.5	46	0.9	6.89	20.5	11450
	11/11/04	-	**30**	4.1	4.5	53	1.04	7.21	19.6	11520
	04/13/05	-	**26**	3.2	3.1	33	-	-	-	-
	12/01/05	-	**34**	3.5	3.9	45	0.89	7.03	19.2	10060
	05/09/06	-	**33**	< 1	< 1	48	1.16	6.93	20.3	10580
	12/12/06	-	**34**	< 1	< 1	51	1.22	6.81	19.8	10400
	06/19/07	-	**34**	1.6	4.5	52	1.03	6.85	20.7	10850
	12/06/07	-	**40**	3.6	5.9	85	1.11	6.75	20.0	10350
	05/21/08	-	**36**	2.0	5.3	69	1.43	7.64	20.9	9611
	12/09/08	-	**38**	2.6	5.7	67	1.20	6.95	18.8	9994
	05/01/09	-	**35**	3.8	6.0	75	2.26	6.59	20.9	11570
	01/28/10	-	**40**	< 5	6.8	100	1.05	7.08	19.2	9956
	11/18/10	-	**37**	< 5	6.0	80	1.74	6.57	20.5	11680
	05/18/11	-	**43**	< 5	8.2	100	1.37	7.03	21.3	11250
	12/12/11	-	**45**	< 5	7.9	91	0.93	7.06	18.9	11090
	04/24/12	-	**43**	< 5	8.4	72	1.62	6.88	21.7	9955
	10/17/12	-	**31**	1.2	5.6	22	1.45	6.75	21.0	9722

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-11	01/10/98	-	**360**	320	19	490	-	-	-	-
	02/25/98	-	**466**	439	23.7	570	2.1	6.61	18.7	13670
	08/04/98	-	**490**	590	32	**650**	3.2	6.67	21.3	14570
	02/11/99	-	**610**	610	31	**670**	2.2	6.65	19.7	15560
	08/11/99	-	**430**	370	30	**640**	2.1	6.71	21.1	14950
	02/14/00	-	**440**	280	38	**620**	2.9	6.76	20.7	14730
	10/19/00	-	**453**	197	29.1	**652**	2.6	6.81	20.5	13470
	02/16/01	-	**505**	165	26.3	**686**	1.7	6.74	20.9	14090
	08/09/01	-	**190**	80.3	13.7	290.7	1.6	6.78	20.8	12950
	03/17/02	-	**436**	60.3	< 50	428	1.8	6.84	22.1	13650
	08/06/02	-	**420**	41	55	520	1.0	6.85	23.2	13430
	01/16/03	-	**380**	48	19	400	1.7	6.76	22.5	13250
	10/14/03	-	**420**	44	31	570	1.94	6.84	20.4	13210
	05/27/04	-	**360**	50	33	550	2.37	6.80	19.7	14900
	11/11/04	-	**470**	40	32	**650**	2.07	7.11	19.6	11930
	04/13/05	-	**420**	30	27	570	-	-	-	-
	11/30/05	-	**410**	34	28	610	1.04	6.75	20.2	11550
	05/09/06	-	**500**	64	46	**730**	2.02	6.85	20.9	11171
	12/12/06	-	**630**	52	40	**940**	1.20	6.66	19.4	11250
	06/19/07	-	**420**	38	30	**670**	1.31	6.83	21.3	12200
	12/06/07	-	**400**	32	29	600	1.45	6.71	20.0	10930
	05/21/08	-	**460**	38	35	**840**	2.00	7.48	21.0	10370
	12/09/08	-	**430**	37	32	**720**	1.94	6.83	17.9	10860
	05/01/09	-	**360**	30	30	**670**	2.01	6.52	20.9	12570
	01/28/10	-	**330**	23	24	560	1.32	7.02	19.0	10800
	11/18/10	-	**430**	75	33	**750**	0.75	6.82	21.6	13740
	05/18/11	-	**520**	55	44	**1000**	1.86	6.89	20.9	12930
	12/12/11	-	**410**	22	32	**730**	1.79	6.91	18.2	12630
	04/24/12	-	**440**	29	37	**820**	1.42	6.95	20.8	13410
	10/16/12	-	**460**	< 10	34	**770**	1.75	6.45	20.2	10860

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-12	01/10/98	-	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-	-
	02/24/98	-	< 5	< 5	< 5	< 5	6.8	7.67	20.6	547
	08/04/98	-	< 1	< 1	< 1	< 1	7.4	7.67	21.3	617
	02/10/99	-	< 1	< 1	< 1	< 1	7.5	7.61	21.3	659
	08/10/99	-	< 2	< 2	< 2	< 2	7.6	7.65	20.9	686
	02/15/00	-	< 1	< 1	< 1	< 1	6	7.64	20.6	737
	10/19/00	-	< 0.500	< 0.500	< 0.500	< 1.00	5.4	7.55	20.3	748
	02/15/01	-	< 0.500	< 0.500	< 0.500	< 1.00	5.1	7.60	21.0	821
	08/09/01	-	< 1	< 1	< 1	< 2	4.3	7.43	20.8	839
	03/16/02	-	< 1	13	< 1	< 1	2.8	7.54	21.9	1030
	08/06/02	-	< 0.50	< 0.50	< 0.50	< 0.50	2.4	7.52	23.0	1083
	01/15/03	-	0.77	< 0.50	< 0.50	< 0.50	2.0	7.46	22.7	1190
	10/14/03	-	< 0.50	< 0.50	< 0.50	< 0.50	2.43	7.29	19.7	1369
	05/26/04	-	2.9	< 0.50	< 0.50	1.8	2.17	7.29	21.3	1707
	11/11/04	-	4.6	< 0.50	< 0.50	2.0	2.37	7.89	17.9	1506
	04/13/05	-	3.5	< 0.50	< 0.50	1.3	-	-	-	-
	11/30/05	-	4.4	< 0.50	< 0.50	1.5	1.45	7.25	20.0	1555
	05/09/06	-	3.9	< 1	< 1	< 1	2.10	7.26	20.5	1612
	12/12/06	-	3.8	< 1	< 1	< 3	2.01	6.95	19.9	1885
	06/19/07	-	3.7	< 1	< 1	< 2	1.68	6.85	20.7	1961
	12/06/07	-	3.3	< 1	< 1	< 2	1.44	6.99	19.9	1971
	05/21/08	-	2.8	< 1	< 1	< 2	1.39	7.69	20.6	1911
	12/09/08	-	3.0	< 1	< 1	< 2	1.98	7.08	18.5	2207
	05/01/09	-	1.2	< 1	< 1	< 2	3.91	6.58	20.5	2762
	01/27/10	-	< 1	< 1	< 1	< 2	2.61	6.87	20.0	2452
	11/17/10	-	< 1	< 1	< 1	< 2	2.29	6.97	19.9	3035
	05/18/11	-	< 1	< 1	< 1	< 2	1.74	6.73	21.2	3519
	12/12/11	-	< 1	< 1	< 1	< 2	3.44	6.87	17.1	3480
	04/24/12	-	< 1	< 1	< 1	< 2	1.99	6.92	20.7	3653
	10/16/12	-	< 1	< 1	< 1	< 2	2.90	6.48	20.7	3209

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-13	12/15/99	-	< 1	< 2	< 2	< 4	-	-	-	-
	02/14/00	-	< 1	< 1	< 1	1.3	1.8	6.83	20.4	4900
	10/19/00	-	< 0.500	< 0.500	< 0.500	< 1.00	3.7	6.82	19.7	4620
	02/15/01	-	< 0.500	< 0.500	< 0.500	< 1.00	1.5	6.79	21.0	5070
	08/09/01	-	< 1	< 1	< 1	< 2	1.6	6.69	20.8	4820
	03/16/02	-	< 1	< 1	< 1	< 1	1.4	6.79	21.0	5430
	08/06/02	-	< 0.50	< 0.50	< 0.50	< 0.50	1.8	6.80	23.2	5300
	01/15/03	-	< 0.50	< 0.50	< 0.50	< 0.50	1.5	6.80	22.5	5290
	10/14/03	-	< 0.50	< 0.50	0.97	< 0.50	1.71	6.59	20.5	5264
	06/26/04	-	< 0.50	< 0.50	1.5	< 0.50	1.72	6.59	21.0	5926
	11/11/04	-	< 0.50	< 0.50	1.3	< 0.50	1.84	7.04	19.5	4903
	04/13/05	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	11/30/05	-	< 0.50	< 0.50	< 0.50	< 0.50	0.92	6.66	20.0	4298
	05/09/06	-	< 1	< 1	2.0	< 1	1.23	6.59	20.2	4295
	12/12/06	-	< 1	< 1	< 1	< 3	2.01	6.54	19.8	4352
	06/19/07	-	< 1	< 1	< 1	< 2	1.12	6.28	20.7	4434
	12/06/07	-	< 1	< 1	< 1	< 2	1.48	6.80	19.7	4377
	05/21/08	-	< 1	< 1	< 1	< 2	1.55	7.51	21.0	4003
	12/09/08	-	< 1	< 1	< 1	< 2	1.79	6.69	17.8	4198
	05/01/09	-	< 1	< 1	< 1	< 2	3.91	6.14	20.9	5040
	01/27/10	-	< 1	< 1	< 1	< 2	1.51	6.63	20.0	4450
	11/16/10	-	< 5	< 5	< 5	< 10	3.20	6.62	20.1	4859
	05/18/11	-	< 1	< 1	< 1	< 2	1.42	6.54	20.6	5125
	12/12/11	-	< 1	< 1	< 1	< 2	1.50	6.46	19.2	5081
	04/24/12	-	< 1	< 1	< 1	< 2	1.67	6.80	21.0	5171
	10/16/12	-	< 1	< 1	< 1	< 2	1.87	6.23	21.7	4541
MW-14	12/14/02	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	01/15/03	-	< 0.50	< 0.50	< 0.50	< 0.50	2.3	6.78	22.7	2760
	10/14/03	-	< 0.50	< 0.50	< 0.50	< 0.50	2.49	6.60	20.1	2701
	05/27/04	-	< 0.50	< 0.50	< 0.50	< 0.50	1.1	6.68	20.5	2500
	11/11/04	-	< 0.50	< 0.50	< 0.50	< 0.50	1.66	7.26	19.1	2558
	04/13/05	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	11/30/05	-	< 0.50	< 0.50	< 0.50	< 0.50	1.31	6.77	20.0	2185
	05/09/06	-	< 1	< 1	< 1	< 1	1.85	6.68	21.6	2361
	12/12/06	-	< 1	< 1	< 1	< 3	2.22	6.77	19.7	2320
	06/19/07	-	< 1	< 1	< 1	< 2	1.40	6.72	21.6	2415
	12/06/07	-	< 1	< 1	< 1	< 2	1.50	6.52	19.8	2255
	05/22/08	-	< 1	< 1	< 1	< 2	1.54	7.20	20.9	1853
	12/10/08	-	< 1	< 1	< 1	< 2	1.54	6.89	19.0	2150
	05/01/09	-	< 1	< 1	< 1	< 2	2.92	6.17	21.3	2490
	01/27/10	-	< 1	< 1	< 1	< 2	1.94	6.72	19.6	2050
	11/17/10	-	< 1	< 1	< 1	< 2	2.59	6.81	20.0	2204
	05/18/11	-	< 1	< 1	< 1	< 2	1.78	6.67	21.0	2394
	12/12/11	-	< 1	< 1	< 1	< 2	2.35	6.91	18.7	2194
	04/24/12	-	< 1	< 1	< 1	< 2	2.23	6.71	20.7	2321
	10/17/12	-	< 1	< 1	< 1	< 2	2.00	6.90	20.8	2268

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
MW-15	12/14/02	-	0.51	0.64	1.3	< 0.50	-	-	-	-
	01/15/03	-	< 0.50	< 0.50	1.6	0.52	2.6	6.71	22.7	5750
	10/14/03	-	< 0.50	< 0.50	2.5	< 0.50	3.05	6.54	20.2	5540
	05/26/04	-	0.52	< 0.50	2.8	1.2	2.19	6.52	21.0	6654
	11/11/04	-	< 0.50	< 0.50	2.4	< 0.50	1.47	6.88	19.1	5763
	04/13/05	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	11/30/05	-	< 0.50	< 0.50	< 0.50	< 0.50	1.50	6.60	20.0	4905
	05/09/06	-	< 1	< 1	3.1	< 1	2.43	6.64	20.6	4762
	12/12/06	-	< 1	< 1	< 1	< 3	1.85	6.48	19.8	4895
	06/19/07	-	< 1	< 1	< 1	< 2	2.53	6.46	21.4	4794
	12/06/07	-	< 1	< 1	< 1	< 2	1.26	6.50	20.0	4948
	05/21/08	-	< 1	< 1	< 1	< 2	3.37	7.54	20.7	4254
	12/09/08	-	< 1	< 1	< 1	< 2	1.95	6.64	17.6	4435
	05/01/09	-	< 1	< 1	< 1	< 2	2.97	6.17	21.0	5234
	01/27/10	-	< 10	< 10	< 10	< 20	2.46	6.63	20.0	4340
	11/16/10	-	< 10	< 10	< 10	< 20	2.39	6.67	19.8	4687
	05/18/11	-	< 1	< 1	< 1	< 2	1.72	6.53	21.1	5495
	12/12/11	-	< 1	< 1	< 1	< 2	2.60	6.74	18.1	4900
	04/24/12	-	< 1	< 1	< 1	< 2	2.68	6.72	21.0	5648
	10/16/12	-	< 1	< 1	< 1	< 2	3.15	6.34	20.3	4414
MW-16	12/14/02	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	01/15/03	-	< 0.50	< 0.50	< 0.50	< 0.50	5.7	7.52	22.4	1309
	10/14/03	-	< 0.50	< 0.50	< 0.50	< 0.50	5.1	7.13	20.4	1423
	06/26/04	-	< 0.50	< 0.50	< 0.50	< 0.50	5.44	7.07	20.8	1749
	11/11/04	-	< 0.50	< 0.50	< 0.50	< 0.50	5.25	7.55	19.2	1590
	04/13/05	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	12/01/05	-	< 0.50	< 0.50	< 0.50	< 0.50	4.55	7.19	19.5	1427
	05/09/06	-	< 1	< 1	< 1	< 1	5.60	7.07	20.3	1529
	12/12/06	-	< 1	< 1	< 1	< 3	5.29	6.94	19.6	1618
	06/19/07	-	< 1	< 1	< 1	< 2	4.90	6.82	21.2	1676
	12/06/07	-	< 1	< 1	< 1	< 2	4.25	7.01	19.5	1612
	05/21/08	-	< 1	< 1	< 1	< 2	4.36	7.74	21.0	1711
	12/09/08	-	< 1	< 1	< 1	< 2	4.60	7.09	18.5	1540
	05/01/09	-	< 1	< 1	< 1	< 2	6.04	6.66	21.1	1830
	01/27/10	-	< 1	< 1	< 1	< 2	3.62	6.93	20.0	1656
	11/16/10	-	< 1	< 1	< 1	< 2	3.86	7.00	2.2	1786
	05/18/11	-	< 1	< 1	< 1	< 2	4.80	6.93	20.5	1947
	12/12/11	-	< 1	< 1	< 1	< 2	5.25	6.76	18.2	1976
	04/24/12	-	< 1	< 1	< 1	< 2	4.56	7.09	21.1	1909
	10/16/12	-	< 1	< 1	< 1	< 2	4.28	6.90	21.0	1846

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
Water Well	05/31/95	-	< 2	< 2	< 2	< 2	-	8.20	-	-
	12/14/95	-	< 2	< 2	< 2	< 2	-	8.53	22.9	1160
	02/21/96	-	< 2	< 2	< 2	< 2	-	9.06	23.3	1390
	05/16/96	< 50	< 2	< 2	< 2	< 2	-	7.52	27.3	1320
	08/14/96	-	< 2	< 2	< 2	< 3	-	-	-	-
	11/14/96	-	< 2	< 2	< 2	< 2	< 1	7.52	-	-
	02/08/97	-	< 2	< 2	< 2	< 2	0.8	8.45	20.2	1200
	08/09/97	-	< 2	< 2	< 2	< 2	1.1	8.11	24.9	1338
	02/26/98	-	< 5	< 5	< 5	< 5	0.8	7.56	20.6	1221
	08/04/98	-	< 1	< 1	< 1	< 1	1.4	8.12	22.2	1362
	02/11/99	-	< 1	< 1	< 1	< 1	-	-	-	-
	08/11/99	-	< 2	< 2	< 2	< 2	-	-	-	-
	02/15/00	-	< 1	< 1	< 1	< 1	0.9	8.18	22.3	1325
	02/16/01	-	< 0.500	< 0.500	< 0.500	< 1.00	-	-	-	-
	08/09/01	-	< 1	< 1	< 1	< 2	5.0	8.31	27.0	1292
	03/17/02	-	< 1	< 1	< 1	< 1	1.8	8.17	23.8	1310
	08/06/02	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	01/16/03	-	< 0.50	< 0.50	< 0.50	< 0.50	2.5	7.99	23.9	1310
	10/15/03	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	05/27/04	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	11/10/04	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	04/13/05	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	11/30/05	-	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	-
	05/08/06	-	< 1	< 1	< 1	< 1	-	-	-	-
	12/12/06	-	< 1	< 1	< 1	< 3	1.32	7.97	20.3	1186
	06/18/07	-	< 1	< 1	< 1	< 2	3.52	6.90	22.6	1388
	12/05/07	-	< 1	< 1	< 1	< 2	4.33	-	22.2	1221
	05/20/08	-	< 1	< 1	< 1	< 2	1.73	8.15	22.6	1359
	12/10/08	-	< 1	< 1	< 1	< 2	1.73	8.15	22.6	1359
	04/30/09	-	< 1	< 1	< 1	< 2	-	-	-	-
	01/27/10	-	< 1	< 1	< 1	< 2	1.25	8.05	21.15	1353
	11/17/10	-	< 1	< 1	< 1	< 2	0.77	8.05	21.29	1284
	05/18/11	-	< 1	< 1	< 1	< 2	1.20	7.94	22.78	1386
	12/12/11	-	< 1	4.8	< 1	< 2	7.02	8.00	21.36	1357
	04/23/12	-	< 1	< 1	< 1	< 2	0.09	7.57	22.85	1363
	10/17/12	-	< 1	< 1	< 1	< 2	7.88	8.39	22.34	1409

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
SVE-2	12/13/95	-	**< 200**	231	< 200	202	< 1	**9.50**	21.4	5820
	02/20/96	< 500	**133**	191	< 2	72	2	**9.05**	22.0	4750
	10/17/00	-	1.72	< 0.500	< 0.500	3.19	1.8	7.28	21.9	3190
	02/16/01	-	1.76	1.12	< 0.500	4.16	0.8	7.74	23.8	3930
	08/08/01	-	1.62	< 1	< 1	< 2	1.3	7.37	23.1	2870
	03/17/02	-	1.1	1.5	< 1	< 1	1.2	7.52	24.4	3750
	08/06/02	-	2.8	2.9	< 0.50	0.51	1.2	7.31	24.3	3630
	01/15/03	-	0.89	0.79	< 0.50	0.66	0.6	7.51	25.2	3670
	10/15/03	-	2.7	1.2	< 0.50	0.94	0.9	9.13	23.3	5777
	05/27/04	-	6.0	4.0	< 0.50	2.2	1.76	7.20	22.1	3241
	11/10/04	-	0.88	< 0.50	< 0.50	< 0.50	1.2	7.92	22.7	3795
	04/13/05	-	**39**	59	1.2	13	1.3	7.79	23.0	2990
	11/30/05	-	1.1	< 0.50	< 0.50	< 0.50	0.77	7.35	22.4	2360
	05/09/06	-	2.4	1.1	< 1	< 3	1.25	7.24	23.0	2454
	12/13/06	-	1.1	< 1	< 1	< 3	1.13	7.04	22.2	1988
	06/20/07	-	5.1	2.1	< 1	< 2	1.06	7.36	22.7	2099
	12/05/07	-	2.6	< 1	< 1	< 2	1.38	-	22.2	1970
	05/20/08	-	**50**	61	< 1	19	1.73	8.05	22.6	1987
	12/09/08	-	5.2	< 1	< 1	< 2	1.30	7.45	20.6	1579
	04/30/09	-	**16**	14	< 1	4.6	1.69	7.04	22.4	2000
	01/28/10	-	7.5	2.7	< 1	< 2	1.13	**9.93**	21.4	5205
	11/16/10		**21**	19	< 1	6.3	0.18	8.36	21.4	3687
	05/18/11	-	**11**	3.1	< 1	4.3	1.02	7.78	22.3	3668
	12/12/11	-	**11**	5.8	< 1	3.4	1.70	7.83	20.6	2126
	04/23/12	-	9.3	2.2	< 1	2.7	1.29	6.83	22.5	1530
	10/17/12	-	6.9	2.3	< 1	< 2	3.05	7.98	22.3	1845

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
SVE-5	10/18/00	-	**754**	**2010**	158	**3150**	-	-	-	-
	02/16/01	-	**166**	508	48.4	**1210**	-	-	-	-
	08/08/01	-	**917**	**2590**	114	**3228**	-	-	-	-
	03/16/02	-	**1110**	**1770**	< 200	**1920**	-	-	-	-
	08/06/02	-	**300**	**1100**	80	**1400**	0.2	8.59	24.6	16000
	01/14/03	-	**570**	**1800**	130	**2900**	-	-	-	-
	10/15/03	-	**700**	**2500**	150	**4700**	-	-	-	-
	05/26/04	-	**550**	**1700**	110	**1900**	0.8	**9.72**	24.3	16150
	11/11/04	-	**580**	**1800**	96	**2000**	1.2	**9.80**	21.3	12180
	04/13/05	-	**370**	**1100**	63	**1400**	1.3	**9.69**	23.4	15740
	11/30/05	-	**250**	580	51	**1000**	1.46	**9.55**	22.5	12880
	05/09/06	-	**1000**	670	< 20	**3000**	1.15	**9.36**	23.8	11410
	12/13/06	-	**250**	700	< 50	**960**	1.12	**10.01**	22.2	16490
	06/19/07	-	**400**	**1100**	66	**1500**	1.27	**10.15**	23.2	17060
	12/05/07	-	**560**	**1600**	84	**1900**	1.20	-	22.2	15700
	05/20/08	-	**640**	**1800**	86	**2100**	1.31	**9.55**	23.0	14430
	12/09/08	-	**400**	**1200**	52	**1400**	1.33	**9.45**	21.0	11660
	04/30/09	-	**500**	**1500**	69	**1700**	1.23	**9.40**	22.4	16100
	01/27/10	-	**310**	**850**	43	**980**	1.22	**9.98**	21.9	16300
	11/16/10	-	**490**	**1600**	68	**1600**	0.50	**9.37**	20.5	11720
	05/17/11	-	**160**	**420**	29	**540**	0.56	8.97	23.0	10960
	12/12/11	-	**400**	**1100**	55	**1200**	2.58	**9.73**	19.2	14270
	04/23/12	-	**430**	**1100**	63	**1300**	2.97	**9.23**	23.1	11210
	10/17/12	-	**470**	**1700**	73	**1700**	1.54	**9.80**	22.4	15940

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
SVE-6	10/18/00	-	**125**	322	28.3	**652**	-	-	-	-
	02/16/01	-	**143**	337	29.7	**943**	-	-	-	6920
	08/08/01	-	**102**	218	6.09	275.5	3.8	**10.36**	22.5	8040
	03/16/02	-	**119**	264	< 5	256	1.1	**10.42**	23.8	8730
	08/05/02	-	**230**	710	87	470	4.6	8.46	23.1	8210
	01/15/03	-	**180**	440	65	380	1.0	**10.42**	24.1	13920
	10/15/03	-	**57**	140	11	92	3.22	**9.53**	22.5	9851
	05/26/04	-	**81**	200	17	190	1.6	**9.60**	23.1	9150
	11/11/04	-	**230**	570	35	420	2.24	**9.82**	20.7	7250
	04/13/05	-	**100**	250	12	200	0.80	**10.19**	22.2	8900
	11/30/05	-	**160**	340	18	210	1.67	**9.41**	20.8	7628
	05/08/06	-	**420**	**2000**	< 10	**1000**	0.91	**9.82**	24.2	9026
	12/12/06	-	**260**	610	< 10	330	1.12	8.80	21.5	6416
	06/19/07	-	**300**	**750**	16	470	1.60	**9.57**	23.5	8817
	12/05/07	-	**200**	450	< 10	260	1.91	-	21.3	10000
	05/20/08	-	**170**	370	< 10	170	1.36	**9.43**	22.0	8473
	12/09/08	-	**69**	150	< 10	97	2.40	**9.57**	20.1	8098
	04/30/09	-	**180**	400	< 10	130	1.30	**9.65**	22.9	9893
	01/27/10	-	**130**	270	< 10	130	1.76	**10.42**	21.9	10620
	11/16/10	-	**91**	190	< 10	86	1.13	**10.03**	21.5	5348
	05/17/11	-	**150**	320	< 5	140	1.65	**9.92**	22.9	5955
	12/12/11	-	**200**	400	< 5	220	2.05	**10.04**	19.3	9009
	04/23/12	-	**190**	370	< 10	180	6.02	**9.89**	21.0	8505
	10/17/12	-	**150**	300	< 10	130	1.81	**10.16**	21.7	9680

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
SVE-7	10/17/00	-	6.16	0.936	< 0.500	2.01	2.3	7.95	22.1	8170
	02/16/01	-	7.66	0.851	< 0.500	1.98	-	8.13	20.9	8020
	08/08/01	-	**22.6**	3.99	1.43	13.61	4.5	7.93	21.8	9950
	03/16/02	-	8.3	< 5	< 5	< 5	0.9	7.95	23.7	12680
	08/05/02	-	3.4	< 0.50	< 0.50	< 0.50	2.9	7.37	22.6	6240
	01/15/03	-	4.1	< 0.50	< 0.50	< 0.50	2.7	8.16	22.4	6310
	10/15/03	-	4.7	< 0.50	< 0.50	1.3	1.48	7.78	22.4	8076
	05/27/04	-	7.0	0.75	< 0.50	1.8	1.8	7.84	22.0	7070
	11/10/04	-	3.0	< 0.50	< 0.50	< 0.50	1.21	7.80	21.6	9294
	04/13/05	-	**14**	1.2	0.53	3.9	1.80	7.80	22.1	6320
	11/30/05	-	**21**	3.9	0.74	8.0	1.43	7.76	21.8	5567
	05/10/06	-	6.8	< 1	< 1	< 3	1.71	7.62	21.8	6604
	12/13/06	-	**16**	1.0	< 1	< 3	2.06	7.59	21.4	6034
	06/20/07	-	5.7	< 1	< 1	< 2	0.96	7.53	22.0	7339
	12/05/07	-	2.8	< 1	< 1	< 2	1.43	-	21.3	5703
	05/22/08	-	4.3	< 1	< 1	< 2	1.06	8.40	21.6	5979
	12/09/08	-	8.0	< 1	< 1	< 2	1.89	7.63	19.9	5315
	04/30/09	-	7.5	< 1	< 1	< 2	1.37	7.38	22.1	6370
	01/28/10	-	< 1	< 1	< 1	< 2	1.27	8.50	20.7	8837
	11/17/10	-	< 10	< 10	< 10	< 20	1.64	8.01	20.5	7164
	05/18/11	-	5.3	< 1	< 1	< 2	1.60	8.77	21.9	8672
	12/12/11	-	**19**	2.4	< 1	4.8	1.63	7.96	20.1	6870
	04/23/12	-	**16**	1.8	< 1	3.9	4.55	8.78	21.6	8578
	10/17/12	-	**25**	3.2	< 1	5.4	1.51	8.64	21.8	7424

Table 2. Summary of Groundwater Analyses
Organics and Field Measured Parameters
TW Bell Lake Gas Plant

Well	Sampling Date	TPH (ug/L)	BTEX (ug/L)				Field Measured Parameters			
			Benzene	Toluene	Ethylbenzene	Total xylenes	DO (mg/L)	pH (units)	Temp. (C)	Conductivity (uS/cm)
NMWQCC Standard		none	10	750	750	620	none	6-9	none	none
SVE-11	10/18/00	-	**552**	**1680**	47.0	**920**	4.2	**10.22**	21.2	19500
	02/16/01	-	**497**	**1670**	83.6	**1180**	-	-	20.7	14540
	08/08/01	-	**468**	**1780**	53.1	**1123**	3.2	**10.12**	21.9	15840
	03/16/02	-	**721**	**1410**	< 200	**897**	0.0	**10.21**	23.7	1672
	08/06/02	-	**530**	**1800**	100	**1100**	0.5	**9.24**	23.2	13510
	01/15/03	-	**170**	540	36	340	-	-	-	-
	10/15/03	-	**280**	**1100**	41	**670**	1.06	**10.11**	22.4	13770
	05/27/04	-	**520**	**1600**	77	**1100**	0.5	**10.20**	22.8	11890
	11/11/04	-	**580**	**1800**	82	**1600**	1.2	**10.30**	20.5	11470
	04/14/05	-	**460**	**1400**	57	**960**	1.1	**10.18**	21.3	15250
	11/30/05	-	**550**	**1700**	74	**1200**	1.01	**10.14**	21.6	11440
	05/09/06	-	**600**	**2000**	< 20	**870**	-	-	-	-
	12/13/06	-	**500**	**1500**	< 50	**1100**	0.99	**10.45**	21.8	12730
	06/19/07	-	**310**	**980**	34	**710**	0.42	**10.20**	22.1	12660
	12/05/07	-	**560**	**1600**	63	**1300**	0.72	-	22.7	11190
	05/22/08	-	**500**	**1500**	54	**1200**	1.85	**11.47**	22.0	9949
	12/09/08	-	**460**	**1400**	49	**1000**	1.80	**10.21**	19.5	9839
	04/30/09	-	**310**	**1100**	39	**640**	0.73	**9.98**	22.4	14660
	01/28/10	-	**250**	**830**	31	**640**	1.23	**10.30**	21.6	11490
	11/17/10	-	**270**	**870**	33	**640**	0.13	**10.32**	23.5	9254
	05/17/11	-	**160**	510	22	390	0.47	**9.89**	22.9	8982
	12/12/11	-	**74**	220	< 10	160	2.02	**9.96**	20.2	8896
	04/24/12	-	**340**	**900**	43	**890**	2.40	**9.93**	22.97	8392
	10/17/12	-	**300**	**890**	38	**750**	1.19	**10.12**	25.07	7131

Notes:
Values exceeding NMWQCC standards are shown in bold type
TPH - Total Petroleum Hydrocarbons by Method 8015 mod (gasoline fraction)

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)											
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-1	12/07/94	**7100**	-	-	140	-	.06[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/31/95	**5800**	1290	**2620**	78.3	2.0	0.37	0.04	62.7	114	12.6	1400	0.07	0.32	< 0.01	< 0.01	< 0.01	0.73	< 0.03	< 0.0002	**0.28**	< 0.04	< 0.01	< 0.03
	12/14/95	**5640**	-	**2500**	176	3.0	**30**	0.02	34.3	75.8	9.48	2400	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/96	**5050**	-	**2450**	155	< 0.50	< 0.05	0.04	35.8	112	11.7	1550	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/97	**5610**	-	**2350**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/09/97	**5090**	-	**2050**	-	-	-	-	-	-	-	-	< 0.03	0.30	< 0.01	< 0.01	0.01	**1.7**	< 0.03	< 0.0002	0.10	< 0.04	< 0.01	0.12
	02/25/98	**5700**	-	**2140**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/03/98	**3600**	-	**2215**	-	-	-	-	-	-	-	-	< 0.1	0.184	0.005	< 0.01	< 0.01	0.10	< 0.05	< 0.0002	0.063	< 0.1	< 0.01	< 0.02
	02/10/99	**5250**	-	**2100**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/10/99	**6670**	-	**2600**	-	-	-	-	-	-	-	-	0.085	0.159	< 0.002	< 0.005	< 0.002	0.053	< 0.025	< 0.0002	0.017	< 0.02	< 0.003	< 0.01
	10/17/00	**4470**	-	**1790**	-	-	-	-	-	-	-	-	0.0845	0.211	-	-	-	-	-	-	0.0770	-	-	-
	08/08/01	**4650**	-	**1830**	-	-	-	-	-	-	-	-	0.0952	0.195	-	-	-	-	-	-	0.0535	-	-	-
	08/05/02	**4000**	-	**1500**	-	-	-	-	-	-	-	-	0.058	0.18	-	-	-	-	-	-	0.059	-	-	-
	01/14/03	**4300**	-	**1500**	-	-	-	-	-	-	-	-	0.068	0.19	-	-	-	-	-	-	0.091	-	-	-
	06/26/04	**5600**	-	**1600**	-	-	-	-	-	-	-	-	**0.10**	0.14	-	-	-	-	-	-	0.044	-	-	-
	04/13/05	**4700**	-	**1600**	-	-	-	-	-	-	-	-	**0.12**	0.14	-	-	-	-	-	-	0.043	-	-	-
	05/10/06	**3900**	-	**1400**	-	-	-	-	-	-	-	-	0.086	0.13	-	-	-	-	-	-	0.043	-	-	-
	06/20/07	**3000**	-	**1000**	-	-	-	-	-	-	-	-	0.095	0.23	-	-	-	-	-	-	0.052	-	-	-
	05/20/08	**2900**	-	**970**	-	-	-	-	-	-	-	-	0.075	0.17	-	-	-	-	-	-	0.068	-	-	-
	04/30/09	**2500**	-	**940**	-	-	-	-	-	-	-	-	0.062	0.14	-	-	-	-	-	-	0.053	-	-	-
	11/17/10	**2780**	-	**1500**	-	-	-	-	-	-	-	-	< 0.1	0.24	-	-	-	-	-	-	0.110	-	-	-
	12/12/11	**3130**	-	**1700**	-	-	-	-	-	-	-	-	0.045	0.30	-	-	-	-	-	-	0.14	-	-	-
	10/17/12	**3750**	-	**1800**	-	-	-	-	-	-	-	-	0.075	0.20	-	-	-	-	-	-	0.10	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)										
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-2	10/19/93	**9200**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/07/94	**2600**	-	-	51	-	<0.05[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/31/95	**1500**	445	**512**	73.6	0.50	< 0.10	0.01	79.8	43.1	5.4	195	0.06	0.22	< 0.01	< 0.01	0.02	**3.7**	< 0.03	< 0.0002	**0.67**	< 0.04	< 0.01	0.04
	12/14/95	**1420**	-	**470**	89	< 1	**10**	0.02	132	46.2	5.89	3060	-	-	-	-	-	-	-	-	-	-	-	-
	02/20/96	940	-	214	95.5	< 0.50	< 0.05	< 0.01	85.7	44.8	5.75	216	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/97	**1040**	-	**325**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/08/97	986	-	**280**	-	-	-	-	-	-	-	-	< 0.03	0.44	< 0.01	< 0.01	< 0.01	**2.3**	< 0.03	< 0.0002	**0.38**	< 0.04	< 0.01	0.03
	02/25/98	**1020**	-	**353**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/03/98	**1000**	-	**500**	-	-	-	-	-	-	-	-	< 0.1	0.231	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	**0.339**	< 0.1	< 0.01	< 0.02
	02/10/99	**2830**	-	**1300**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/10/99	**1750**	-	**730**	-	-	-	-	-	-	-	-	0.056	0.280	< 0.002	< 0.005	< 0.002	< 0.01	< 0.025	< 0.0002	**0.232**	< 0.02	< 0.003	< 0.01
	10/17/00	996	-	**299**	-	-	-	-	-	-	-	-	0.0573	0.370	-	-	-	-	-	-	**0.254**	-	-	-
	08/08/01	**1170**	-	**445**	-	-	-	-	-	-	-	-	0.0863	0.327	-	-	-	-	-	-	0.194	-	-	-
	08/05/02	**1400**	-	**550**	-	-	-	-	-	-	-	-	**0.12**	0.41	-	-	-	-	-	-	0.18	-	-	-
	01/14/03	**1500**	-	**560**	-	-	-	-	-	-	-	-	0.089	0.38	-	-	-	-	-	-	**0.28**	-	-	-
	05/26/04	**1500**	-	**570**	-	-	-	-	-	-	-	-	0.074	0.37	-	-	-	-	-	-	**0.21**	-	-	-
	04/13/05	**2500**	-	**1100**	-	-	-	-	-	-	-	-	< 0.20	0.45	-	-	-	-	-	-	0.15	-	-	-
	05/10/06	880	-	**270**	-	-	-	-	-	-	-	-	0.089	0.58	-	-	-	-	-	-	**0.22**	-	-	-
	06/20/07	**1100**	-	**440**	-	-	-	-	-	-	-	-	**0.11**	0.35	-	-	-	-	-	-	0.19	-	-	-
	05/22/08	720	-	**180**	-	-	-	-	-	-	-	-	0.071	0.35	-	-	-	-	-	-	**0.24**	-	-	-
	04/30/09	830	-	**280**	-	-	-	-	-	-	-	-	0.090	0.40	-	-	-	-	-	-	0.18	-	-	-
	11/17/10	989	-	**370**	-	-	-	-	-	-	-	-	0.089	0.37	-	-	-	-	-	-	0.19	-	-	-
	12/12/11	**1400**	-	**560**	-	-	-	-	-	-	-	-	0.096	0.45	-	-	-	-	-	-	0.11	-	-	-
	10/17/12	708	-	240	-	-	-	-	-	-	-	-	**0.10**	0.42	-	-	-	-	-	-	0.17	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)										
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-3	10/20/93	**1500**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/07/94	320	-	-	31	-	3.6[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/31/95	380	210	14.5	43.4	0.50	3.3	< 0.01	54.7	17.6	7.1	20.5	< 0.03	0.21	< 0.01	< 0.01	< 0.01	0.22	< 0.03	< 0.0002	< 0.01	< 0.04	< 0.01	< 0.03
	12/14/95	334	-	17.0	35	< 1.0	6.7	0.01	68	15.8	6.69	20.6	-	-	-	-	-	-	-	-	-	-	-	-
	02/20/96	346	-	20.0	32.1	< 0.50	2.92	< 0.01	64.9	19.6	7.6	67.4	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/97	368	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/09/97	380	-	10	-	-	-	-	-	-	-	-	< 0.03	0.21	< 0.01	< 0.01	< 0.01	**1.0**	< 0.03	< 0.0002	0.03	< 0.04	< 0.01	0.06
	02/25/98	330	-	13.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/03/98	200	-	15.0	-	-	-	-	-	-	-	-	< 0.1	0.184	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	< 0.005	< 0.1	< 0.01	< 0.02
MW-4	12/07/94	**4700**	-	-	70	-	<0.05[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/31/95	**5200**	2180	**1700**	104	17.5	< 0.10	< 0.01	< 0.10	0.76	4.9	1650	**0.33**	0.23	< 0.01	< 0.01	< 0.01	0.11	< 0.03	< 0.0002	0.03	< 0.04	< 0.01	< 0.03
	12/13/95	**6600**	-	**1900**	90	21.0	**103**	< 0.01	74.2	4.25	6.15	1880	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/96	**3450**	-	**1010**	35.7	20.0	< 0.05	< 0.01	10.6	2.02	4.84	1210	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/97	**4380**	-	**1110**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)										
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-5	12/07/94	**9500**	-	-	49	-	<0.05[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/31/95	**7400**	1690	**4070**	12.4	4.5	< 0.10	0.01	4.8	2.0	13.8	2690	**0.14**	0.88	< 0.01	< 0.01	0.01	0.13	< 0.03	< 0.0002	0.02	< 0.04	< 0.01	< 0.03
	12/12/95	**7580**	-	**3650**	24	3.0	**53**	0.06	6.13	1.98	11.8	2590	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/96	**8050**	-	**4050**	17.9	< 0.50	< 0.05	1.45	22.2	2.79	12.6	3100	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/97	**6980**	-	**3300**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/09/97	**8370**	-	**1450**	-	-	-	-	-	-	-	-	< 0.03	0.94	< 0.01	< 0.01	< 0.01	0.93	< 0.03	< 0.0002	0.01	< 0.04	< 0.01	0.29
	02/25/98	**7300**	-	**3480**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/04/98	**6800**	-	**3330**	-	-	-	-	-	-	-	-	**0.2**	0.960	< 0.005	< 0.01	< 0.01	0.05	< 0.05	< 0.0002	0.014	< 0.1	< 0.01	< 0.02
	02/11/99	**7860**	-	**3200**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/10/99	**6850**	-	**2900**	-	-	-	-	-	-	-	-	**0.15**	0.946	< 0.002	< 0.005	< 0.002	0.033	< 0.025	< 0.0002	0.010	< 0.02	< 0.003	< 0.01
	10/18/00	**6580**	-	**2720**	-	-	-	-	-	-	-	-	**0.137**	0.907	-	-	-	-	-	-	0.0320	-	-	-
	08/09/01	**5750**	-	**2660**	-	-	-	-	-	-	-	-	0.0929	**1.21**	-	-	-	-	-	-	0.0162	-	-	-
	08/06/02	**5300**	-	**2300**	-	-	-	-	-	-	-	-	**0.12**	0.9	-	-	-	-	-	-	0.033	-	-	-
	01/15/03	**6400**	-	**2400**	-	-	-	-	-	-	-	-	0.078	**1.0**	-	-	-	-	-	-	0.027	-	-	-
	05/27/04	**4400**	-	**1600**	-	-	-	-	-	-	-	-	**0.10**	0.81	-	-	-	-	-	-	0.022	-	-	-
	04/13/05	**4400**	-	**1800**	-	-	-	-	-	-	-	-	0.08	0.78	-	-	-	-	-	-	0.041	-	-	-
	05/09/06	**4500**	-	**1600**	-	-	-	-	-	-	-	-	**0.14**	0.41	-	-	-	-	-	-	0.029	-	-	-
	06/19/07	**3600**	-	**1600**	-	-	-	-	-	-	-	-	**0.15**	0.30	-	-	-	-	-	-	0.0034	-	-	-
	05/22/08	**4200**	-	**1200**	-	-	-	-	-	-	-	-	**0.20**	0.16	-	-	-	-	-	-	0.015	-	-	-
	05/01/09	**7300**	-	**2300**	-	-	-	-	-	-	-	-	0.067	0.07	-	-	-	-	-	-	0.039	-	-	-
	11/17/10	**3390**	-	**1300**	-	-	-	-	-	-	-	-	< 0.1	0.063	-	-	-	-	-	-	0.035	-	-	-
	12/12/11	**3310**	-	**1300**	-	-	-	-	-	-	-	-	0.086	0.087	-	-	-	-	-	-	0.020	-	-	-
	10/17/12	**2930**	-	**1200**	-	-	-	-	-	-	-	-	0.088	0.059	-	-	-	-	-	-	0.021	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)										
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-6	12/07/94	**4700**	-	-	150	-	<0.05[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/31/95	**5400**	1070	**2670**	78.3	2.5	0.59	0.04	11.1	4.6	14.4	1320	**0.33**	0.36	< 0.01	< 0.01	< 0.01	0.25	< 0.03	< 0.0002	0.04	< 0.04	< 0.01	< 0.03
	12/12/95	**4770**	-	**2500**	92	2.0	**44.2**	0.03	68.8	11.8	17	1560	-	-	-	-	-	-	-	-	-	-	-	-
	02/20/96	**4830**	-	**2500**	85.9	< 0.50	< 0.05	< 0.01	26.6	10.5	18.1	1500	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/97	**4050**	-	**2200**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/09/97	**5040**	-	**2220**	-	-	-	-	-	-	-	-	**0.39**	0.57	< 0.01	< 0.01	< 0.01	0.98	< 0.03	< 0.0002	0.03	< 0.04	< 0.01	< 0.03
	02/25/98	**5280**	-	**2540**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/04/98	**4200**	-	**2450**	-	-	-	-	-	-	-	-	**0.4**	0.548	< 0.005	< 0.01	< 0.01	0.04	< 0.05	< 0.0002	0.007	< 0.1	< 0.01	< 0.02
	02/10/99	**5050**	-	**2500**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/10/99	**5120**	-	**2500**	-	-	-	-	-	-	-	-	**0.365**	0.496	< 0.002	< 0.005	< 0.002	0.016	< 0.025	< 0.0002	< 0.005	< 0.02	< 0.003	< 0.01
	10/18/00	**4540**	-	**2240**	-	-	-	-	-	-	-	-	**0.258**	0.603	-	-	-	-	-	-	0.0600	-	-	-
	08/09/01	**4210**	-	**2100**	-	-	-	-	-	-	-	-	**0.262**	0.555	-	-	-	-	-	-	< 0.01	-	-	-
	08/06/02	**3900**	-	**1800**	-	-	-	-	-	-	-	-	**0.26**	0.51	-	-	-	-	-	-	0.0047	-	-	-
	01/15/03	**4200**	-	**1700**	-	-	-	-	-	-	-	-	**0.38**	0.40	-	-	-	-	-	-	0.0041	-	-	-
	05/27/04	**3800**	-	**1600**	-	-	-	-	-	-	-	-	**0.28**	0.37	-	-	-	-	-	-	0.012	-	-	-
	04/14/05	**4800**	-	**2100**	-	-	-	-	-	-	-	-	**0.18**	0.31	-	-	-	-	-	-	0.0036	-	-	-
	05/09/06	**4500**	-	**1900**	-	-	-	-	-	-	-	-	**0.18**	0.31	-	-	-	-	-	-	0.0046	-	-	-
	06/19/07	**3900**	-	**1200**	-	-	-	-	-	-	-	-	**0.17**	0.20	-	-	-	-	-	-	0.017	-	-	-
	05/22/08	**3400**	-	**1400**	-	-	-	-	-	-	-	-	**0.20**	0.27	-	-	-	-	-	-	0.0050	-	-	-
	05/01/09	**4300**	-	**1900**	-	-	-	-	-	-	-	-	**0.20**	0.26	-	-	-	-	-	-	0.0047	-	-	-
	11/17/10	**2930**	-	**1300**	-	-	-	-	-	-	-	-	0.05	0.23	-	-	-	-	-	-	0.0046	-	-	-
	12/12/11	**3250**	-	**1600**	-	-	-	-	-	-	-	-	0.064	0.19	-	-	-	-	-	-	0.0042	-	-	-
	10/17/12	**3560**	-	**1600**	-	-	-	-	-	-	-	-	0.062	0.17	-	-	-	-	-	-	0.0029	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)											
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-7	12/13/95	**4040**	-	**2150**	88	2.0	**17.5**	0.023	419	155	31.2	954	-	-	-	-	-	-	-	-	-	-	-	-
	02/20/96	**4490**	-	**2500**	60.9	< 0.50	< 0.05	< 0.01	499	193	29.3	745	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/97	**4350**	-	**2100**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/08/97	**6260**	-	**2200**	-	-	-	-	-	-	-	-	< 0.03	**1.5**	< 0.01	< 0.01	0.04	**3.1**	< 0.03	< 0.0002	**6.7**	**0.19**	< 0.01	0.15
	02/24/98	**4470**	-	**1810**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/04/98	**3400**	-	**1950**	-	-	-	-	-	-	-	-	< 0.01	0.968	< 0.005	< 0.01	< 0.01	0.11	< 0.05	< 0.0002	**4.86**	< 0.1	< 0.01	< 0.02
	08/10/99	**3900**	-	**1800**	-	-	-	-	-	-	-	-	< 0.02	0.854	< 0.002	< 0.005	0.0051	< 0.01	< 0.025	< 0.0002	**4.10**	< 0.02	< 0.003	0.021
	10/18/00	**3930**	-	**1730**	-	-	-	-	-	-	-	-	0.0171	**1.06**	-	-	-	-	-	-	**4.54**	-	-	-
	08/08/01	**4130**	-	**1450**	-	-	-	-	-	-	-	-	< 0.05	0.828	-	-	-	-	-	-	**3.87**	-	-	-
	08/06/02	**3300**	-	**1100**	-	-	-	-	-	-	-	-	< 0.010	0.87	-	-	-	-	-	-	**4.0**	-	-	-
	01/16/03	**3300**	-	**1200**	-	-	-	-	-	-	-	-	< 0.010	0.77	-	-	-	-	-	-	**4.2**	-	-	-
	05/27/04	**4000**	-	**1400**	-	-	-	-	-	-	-	-	< 0.020	0.88	-	-	-	-	-	-	**4.0**	-	-	-
	04/14/05	**2900**	-	**930**	-	-	-	-	-	-	-	-	< 0.020	0.91	-	-	-	-	-	-	**4.4**	-	-	-
	05/09/06	**3300**	-	**1200**	-	-	-	-	-	-	-	-	0.037	0.45	-	-	-	-	-	-	**2.2**	-	-	-
	06/18/07	**3100**	-	**980**	-	-	-	-	-	-	-	-	< 0.020	0.39	-	-	-	-	-	-	**2.2**	-	-	-
	05/21/08	**3100**	-	**790**	-	-	-	-	-	-	-	-	< 0.020	0.40	-	-	-	-	-	-	**2.6**	-	-	-
	04/30/09	**3300**	-	**1300**	-	-	-	-	-	-	-	-	< 0.020	0.75	-	-	-	-	-	-	**4.0**	-	-	-
	11/17/10	**3440**	-	**1100**	-	-	-	-	-	-	-	-	< 0.020	0.43	-	-	-	-	-	-	**3.2**	-	-	-
	12/12/11	**4070**	-	**750**	-	-	-	-	-	-	-	-	< 0.020	0.15	-	-	-	-	-	-	**3.3**	-	-	-
	10/17/12	**5210**	-	**520**	-	-	-	-	-	-	-	-	< 0.10	0.085	-	-	-	-	-	-	**3.3**	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)											
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-8	12/12/95	**2840**	-	**1140**	71	2.0	**24.5**	0.07	66.3	13	15.8	979	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/96	**2530**	-	**790**	10.2	< 0.50	< 0.05	< 0.01	50.4	13.2	14.5	873	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/97	**3050**	-	**825**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/09/97	**4910**	-	**1420**	-	-	-	-	-	-	-	-	**0.29**	0.63	< 0.01	< 0.01	0.02	**4.2**	< 0.03	< 0.0002	0.10	< 0.04	< 0.01	0.90
	02/26/98	**2730**	-	**800**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/04/98	**2600**	-	**960**	-	-	-	-	-	-	-	-	**0.3**	0.481	< 0.005	< 0.01	< 0.01	0.29	< 0.05	< 0.0002	0.019	< 0.1	< 0.01	< 0.02
	02/11/99	**3670**	-	**1000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/11/99	**3580**	-	**930**	-	-	-	-	-	-	-	-	**0.352**	0.430	< 0.002	< 0.005	< 0.002	0.268	< 0.025	< 0.0002	0.0062	< 0.02	< 0.003	< 0.01
	10/19/00	**3540**	-	**865**	-	-	-	-	-	-	-	-	**0.277**	0.520	-	-	-	-	-	-	0.0320	-	-	-
	08/09/01	**4010**	-	**969**	-	-	-	-	-	-	-	-	**0.321**	0.339	-	-	-	-	-	-	< 0.01	-	-	-
	08/06/02	**3700**	-	**670**	-	-	-	-	-	-	-	-	**0.31**	0.58	-	-	-	-	-	-	0.0077	-	-	-
	01/16/03	**3700**	-	**1000**	-	-	-	-	-	-	-	-	**0.33**	0.58	-	-	-	-	-	-	0.0070	-	-	-
	05/27/04	**2500**	-	**550**	-	-	-	-	-	-	-	-	**0.28**	0.41	-	-	-	-	-	-	0.0049	-	-	-
	04/14/05	**4200**	-	**1100**	-	-	-	-	-	-	-	-	**0.28**	0.37	-	-	-	-	-	-	0.0053	-	-	-
	05/09/06	**2500**	-	**520**	-	-	-	-	-	-	-	-	**0.21**	0.39	-	-	-	-	-	-	0.0052	-	-	-
	06/19/07	**2500**	-	**610**	-	-	-	-	-	-	-	-	**0.20**	0.32	-	-	-	-	-	-	0.0034	-	-	-
	05/21/08	**2000**	-	**500**	-	-	-	-	-	-	-	-	**0.21**	0.33	-	-	-	-	-	-	0.0067	-	-	-
	05/01/09	**3100**	-	**780**	-	-	-	-	-	-	-	-	**0.38**	0.54	-	-	-	-	-	-	0.0050	-	-	-
	11/17/10	**2560**	-	**680**	-	-	-	-	-	-	-	-	**0.18**	0.28	-	-	-	-	-	-	0.0041	-	-	-
	12/12/11	**3110**	-	**830**	-	-	-	-	-	-	-	-	**0.39**	0.63	-	-	-	-	-	-	0.0072	-	-	-
	10/17/12	**2990**	-	**850**	-	-	-	-	-	-	-	-	**0.21**	0.32	-	-	-	-	-	-	0.0048	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)										
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-9	12/12/95	**11700**	-	**4500**	7	3.0	**38.3**	< 0.01	388	168	32	3030	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/96	**11000**	-	**4200**	< 5.0	< 0.50	< 0.05	0.02	201	118	28.9	3740	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/97	**10800**	-	**4750**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/09/97	**11400**	-	**4450**	-	-	-	-	-	-	-	-	< 0.03	**14.7**	< 0.01	< 0.01	< 0.01	**4.8**	< 0.03	< 0.0002	0.18	**0.20**	< 0.01	0.20
	02/25/98	**10900**	-	**5730**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/04/98	**10900**	-	**4960**	-	-	-	-	-	-	-	-	0.03	**10.3**	< 0.005	< 0.01	< 0.01	0.30	< 0.05	< 0.0002	0.107	< 0.1	< 0.01	< 0.02
	02/11/99	**10700**	-	**4600**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/11/99	**10400**	-	**4600**	-	-	-	-	-	-	-	-	**0.200**	**7.82**	< 0.002	< 0.005	< 0.002	0.075	< 0.025	< 0.0002	0.0579	< 0.02	< 0.003	< 0.01
	10/19/00	**9750**	-	**4100**	-	-	-	-	-	-	-	-	**0.275**	**9.11**	-	-	-	-	-	-	**0.4400**	-	-	-
	08/09/01	**10200**	-	**4850**	-	-	-	-	-	-	-	-	**0.232**	**8.48**	-	-	-	-	-	-	0.0131	-	-	-
	08/06/02	**9800**	-	**4500**	-	-	-	-	-	-	-	-	**0.38**	**8.5**	-	-	-	-	-	-	0.011	-	-	-
	01/16/03	**9100**	-	**4000**	-	-	-	-	-	-	-	-	**0.30**	**10**	-	-	-	-	-	-	0.011	-	-	-
	05/27/04	**8800**	-	**3300**	-	-	-	-	-	-	-	-	**0.36**	**8.5**	-	-	-	-	-	-	0.011	-	-	-
	04/14/05	**9200**	-	**3900**	-	-	-	-	-	-	-	-	**0.40**	**8.4**	-	-	-	-	-	-	0.015	-	-	-
	05/09/06	**8700**	-	**4200**	-	-	-	-	-	-	-	-	**0.40**	**7.9**	-	-	-	-	-	-	< 0.02	-	-	-
	06/19/07	**8000**	-	**3200**	-	-	-	-	-	-	-	-	**0.48**	**6.8**	-	-	-	-	-	-	0.020	-	-	-
	05/21/08	**7000**	-	**2800**	-	-	-	-	-	-	-	-	**0.49**	**6.1**	-	-	-	-	-	-	0.022	-	-	-
	05/01/09	**8400**	-	**4000**	-	-	-	-	-	-	-	-	**0.49**	**8.7**	-	-	-	-	-	-	0.027	-	-	-
	11/18/10	**8660**	-	**5700**	-	-	-	-	-	-	-	-	**0.54**	**8.3**	-	-	-	-	-	-	0.053	-	-	-
	12/12/11	**7810**	-	**4700**	-	-	-	-	-	-	-	-	**0.41**	**8.2**	-	-	-	-	-	-	0.028	-	-	-
	10/17/12	**6500**	-	**2800**	-	-	-	-	-	-	-	-	**0.57**	**6.5**	-	-	-	-	-	-	0.022	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)											
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-10	01/09/98	**5930**	-	**3600**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/25/98	**9150**	-	**3860**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/04/98	**6200**	-	**3690**	-	-	-	-	-	-	-	-	< 0.1	**19.3**	< 0.005	< 0.01	< 0.01	**30.3**	< 0.05	< 0.0002	**11.3**	< 0.1	< 0.01	< 0.02
	02/11/99	**5710**	-	**2900**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/11/99	**5220**	-	**3000**	-	-	-	-	-	-	-	-	0.040	**11.3**	< 0.002	< 0.005	< 0.002	0.012	< 0.025	< 0.0002	**4.37**	< 0.02	< 0.003	< 0.01
	10/19/00	**6240**	-	**3480**	-	-	-	-	-	-	-	-	0.0874	**12.9**	-	-	-	-	-	-	**3.85**	-	-	-
	08/09/01	**9390**	-	**3620**	-	-	-	-	-	-	-	-	0.0583	**10.5**	-	-	-	-	-	-	**2.45**	-	-	-
	08/06/02	**6900**	-	**2400**	-	-	-	-	-	-	-	-	0.061	**16**	-	-	-	-	-	-	**1.9**	-	-	-
	01/16/03	**6400**	-	**3800**	-	-	-	-	-	-	-	-	**0.19**	**18**	-	-	-	-	-	-	**2.1**	-	-	-
	05/27/04	**6900**	-	**3600**	-	-	-	-	-	-	-	-	**0.16**	**17**	-	-	-	-	-	-	**1.3**	-	-	-
	05/13/05	**6600**	-	**3800**	-	-	-	-	-	-	-	-	**0.23**	**17**	-	-	-	-	-	-	**1.6**	-	-	-
	05/09/06	**7500**	-	**3100**	-	-	-	-	-	-	-	-	**0.23**	**17**	-	-	-	-	-	-	**1.1**	-	-	-
	06/19/07	**7600**	-	**3900**	-	-	-	-	-	-	-	-	**0.19**	**17**	-	-	-	-	-	-	**1.5**	-	-	-
	05/21/08	**7300**	-	**3700**	-	-	-	-	-	-	-	-	**0.20**	**16**	-	-	-	-	-	-	**1.6**	-	-	-
	05/01/09	**7000**	-	**4100**	-	-	-	-	-	-	-	-	**0.17**	**15**	-	-	-	-	-	-	**1.4**	-	-	-
	11/18/10	**7280**	-	**4200**	-	-	-	-	-	-	-	-	**0.13**	**12**	-	-	-	-	-	-	**3.0**	-	-	-
	12/12/11	**6900**	-	**3600**	-	-	-	-	-	-	-	-	< 0.2	**16**	-	-	-	-	-	-	**0.92**	-	-	-
	10/17/12	**6520**	-	**3600**	-	-	-	-	-	-	-	-	**0.22**	**14**	-	-	-	-	-	-	**0.92**	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)										
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-11	01/10/98	**6760**	-	**3500**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/25/98	**10800**	-	**4650**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/04/98	**9400**	-	**5140**	-	-	-	-	-	-	-	-	**0.5**	**10.0**	< 0.005	< 0.01	< 0.01	**21.1**	< 0.05	< 0.0002	**3.54**	< 0.1	< 0.01	< 0.02
	02/11/99	**9620**	-	**4600**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/10/99	**9090**	-	**4900**	-	-	-	-	-	-	-	-	**0.404**	**8.25**	< 0.002	< 0.005	< 0.002	0.267	< 0.025	< 0.0002	**1.47**	< 0.02	< 0.003	< 0.01
	10/19/00	**8960**	-	**3060**	-	-	-	-	-	-	-	-	**0.466**	**10.6**	-	-	-	-	-	-	**1.86**	-	-	-
	08/09/01	**11100**	-	**4630**	-	-	-	-	-	-	-	-	**0.326**	**7.19**	-	-	-	-	-	-	**1.47**	-	-	-
	08/06/02	**8300**	-	**2600**	-	-	-	-	-	-	-	-	**0.40**	**6.8**	-	-	-	-	-	-	**1.4**	-	-	-
	01/16/03	**7800**	-	**4100**	-	-	-	-	-	-	-	-	**0.49**	**7.9**	-	-	-	-	-	-	**1.8**	-	-	-
	05/27/04	**7900**	-	**3900**	-	-	-	-	-	-	-	-	**0.54**	**5.9**	-	-	-	-	-	-	**1.4**	-	-	-
	04/13/05	**7900**	-	**4400**	-	-	-	-	-	-	-	-	**0.81**	**5.6**	-	-	-	-	-	-	**1.2**	-	-	-
	05/09/06	**8300**	-	**3800**	-	-	-	-	-	-	-	-	**0.65**	**4.8**	-	-	-	-	-	-	**1.6**	-	-	-
	06/19/07	**7800**	-	**3900**	-	-	-	-	-	-	-	-	**0.68**	**4.9**	-	-	-	-	-	-	**1.7**	-	-	-
	05/21/08	**7800**	-	**3800**	-	-	-	-	-	-	-	-	**0.78**	**4.6**	-	-	-	-	-	-	**1.4**	-	-	-
	05/01/09	**7900**	-	**4300**	-	-	-	-	-	-	-	-	**0.60**	**4.4**	-	-	-	-	-	-	**1.6**	-	-	-
	11/18/10	**8200**	-	**4900**	-	-	-	-	-	-	-	-	**0.99**	**5.3**	-	-	-	-	-	-	**1.2**	-	-	-
	12/12/11	**7690**	-	**4600**	-	-	-	-	-	-	-	-	**0.78**	**6.0**	-	-	-	-	-	-	**1.3**	-	-	-
	10/16/12	**8340**	-	**4400**	-	-	-	-	-	-	-	-	**0.82**	**5.3**	-	-	-	-	-	-	**0.99**	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)											
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-12	01/10/98	413	-	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/24/98	362	-	77.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/04/98	340	-	80	-	-	-	-	-	-	-	-	< 0.1	0.176	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	< 0.005	< 0.1	< 0.01	< 0.02
	02/10/99	390	-	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/10/99	400	-	110	-	-	-	-	-	-	-	-	< 0.02	0.194	< 0.002	< 0.005	< 0.002	< 0.01	< 0.025	< 0.0002	< 0.005	< 0.02	< 0.003	< 0.01
	10/19/00	508	-	156	-	-	-	-	-	-	-	-	0.00628	0.280	-	-	-	-	-	-	**6.54**	-	-	-
	08/09/01	816	-	171	-	-	-	-	-	-	-	-	< 0.05	0.273	-	-	-	-	-	-	< 0.01	-	-	-
	08/06/02	710	-	230	-	-	-	-	-	-	-	-	0.025	0.33	-	-	-	-	-	-	< 0.0020	-	-	-
	01/15/03	720	-	**250**	-	-	-	-	-	-	-	-	0.013	0.37	-	-	-	-	-	-	0.0074	-	-	-
	05/26/04	840	-	**300**	-	-	-	-	-	-	-	-	< 0.020	0.41	-	-	-	-	-	-	0.0053	-	-	-
	04/13/05	860	-	**390**	-	-	-	-	-	-	-	-	< 0.020	0.47	-	-	-	-	-	-	0.011	-	-	-
	05/09/06	**1200**	-	**460**	-	-	-	-	-	-	-	-	< 0.020	0.50	-	-	-	-	-	-	0.020	-	-	-
	06/19/07	**1300**	-	**610**	-	-	-	-	-	-	-	-	< 0.020	0.61	-	-	-	-	-	-	0.068	-	-	-
	05/21/08	**1500**	-	**650**	-	-	-	-	-	-	-	-	< 0.020	0.67	-	-	-	-	-	-	0.085	-	-	-
	05/01/09	**1700**	-	**860**	-	-	-	-	-	-	-	-	< 0.020	0.66	-	-	-	-	-	-	0.078	-	-	-
	11/17/10	**1980**	-	**1100**	-	-	-	-	-	-	-	-	< 0.020	0.76	-	-	-	-	-	-	0.045	-	-	-
	12/12/11	**2400**	-	**1100**	-	-	-	-	-	-	-	-	< 0.020	0.74	-	-	-	-	-	-	0.047	-	-	-
	10/16/12	**2320**	-	**1100**	-	-	-	-	-	-	-	-	< 0.020	0.70	-	-	-	-	-	-	0.040	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)											
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-13	12/15/99	**2700**	-	**1600**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/00	**3320**	-	**1540**	-	-	-	-	-	-	-	-	0.00878	**1.76**	-	-	-	-	-	-	**0.238**	-	-	-
	08/09/01	**5450**	-	**1590**	-	-	-	-	-	-	-	-	< 0.05	**1.41**	-	-	-	-	-	-	0.0693	-	-	-
	08/06/02	**3600**	-	**1000**	-	-	-	-	-	-	-	-	0.075	**1.1**	-	-	-	-	-	-	0.11	-	-	-
	01/15/03	**3100**	-	**1500**	-	-	-	-	-	-	-	-	< 0.010	**1.1**	-	-	-	-	-	-	0.17	-	-	-
	05/26/04	**3200**	-	**1600**	-	-	-	-	-	-	-	-	< 0.020	0.95	-	-	-	-	-	-	**0.22**	-	-	-
	04/13/05	**2900**	-	**1500**	-	-	-	-	-	-	-	-	< 0.020	**1.0**	-	-	-	-	-	-	**0.34**	-	-	-
	05/09/06	**3300**	-	**1400**	-	-	-	-	-	-	-	-	< 0.020	**1.0**	-	-	-	-	-	-	**0.41**	-	-	-
	06/19/07	**3200**	-	**1500**	-	-	-	-	-	-	-	-	< 0.020	**1.3**	-	-	-	-	-	-	**0.47**	-	-	-
	05/21/08	**3300**	-	**1700**	-	-	-	-	-	-	-	-	< 0.020	**1.2**	-	-	-	-	-	-	**0.88**	-	-	-
	05/01/09	**3100**	-	**1600**	-	-	-	-	-	-	-	-	< 0.020	**1.0**	-	-	-	-	-	-	**1.30**	-	-	-
	11/16/10	**3360**	-	**1600**	-	-	-	-	-	-	-	-	< 0.020	0.63	-	-	-	-	-	-	**3.0**	-	-	-
	12/12/11	**3460**	-	**1500**	-	-	-	-	-	-	-	-	< 0.020	0.57	-	-	-	-	-	-	**5.8**	-	-	-
	10/16/12	**3360**	-	**1700**	-	-	-	-	-	-	-	-	< 0.10	0.57	-	-	-	-	-	-	**5.9**	-	-	-
MW-14	12/14/02	**1900**	460	140	210	-	150[a]	-	290	96	22	110	-	-	-	-	-	-	-	-	-	-	-	-
	01/05/03	**2100**	-	150	-	-	-	-	-	-	-	-	< 0.010	0.12	-	-	-	-	-	-	0.15	-	-	-
	05/27/04	**1900**	-	150	-	-	-	-	-	-	-	-	< 0.020	0.095	-	-	-	-	-	-	0.11	-	-	-
	04/13/05	**1800**	-	160	-	-	-	-	-	-	-	-	< 0.020	0.097	-	-	-	-	-	-	0.11	-	-	-
	05/09/06	**1900**	-	170	-	-	-	-	-	-	-	-	< 0.020	0.870	-	-	-	-	-	-	0.10	-	-	-
	06/19/07	**1900**	-	160	-	-	-	-	-	-	-	-	< 0.020	0.11	-	-	-	-	-	-	0.16	-	-	-
	05/22/08	**1800**	-	140	-	-	-	-	-	-	-	-	< 0.020	0.11	-	-	-	-	-	-	0.18	-	-	-
	05/01/09	**1800**	-	170	-	-	-	-	-	-	-	-	< 0.020	0.098	-	-	-	-	-	-	0.15	-	-	-
	11/17/10	**1630**	-	150	-	-	-	-	-	-	-	-	< 0.020	0.083	-	-	-	-	-	-	0.10	-	-	-
	12/12/11	**1620**	-	130	-	-	-	-	-	-	-	-	< 0.020	0.081	-	-	-	-	-	-	0.11	-	-	-
	10/17/12	**1570**	-	150	-	-	-	-	-	-	-	-	< 0.020	0.079	-	-	-	-	-	-	0.079	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)											
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-15	12/14/02	**3400**	420	**1600**	87	-	<1.0[a]	-	490	200	37	390	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/03	**3400**	-	**1600**	-	-	-	-	-	-	-	-	< 0.010	0.94	-	-	-	-	-	-	**5.4**	-	-	-
	05/26/04	**3600**	-	**1600**	-	-	-	-	-	-	-	-	< 0.020	0.71	-	-	-	-	-	-	**4.8**	-	-	-
	04/13/05	**3300**	-	**1700**	-	-	-	-	-	-	-	-	< 0.020	0.46	-	-	-	-	-	-	**4.7**	-	-	-
	05/09/06	**3800**	-	**1600**	-	-	-	-	-	-	-	-	< 0.020	0.53	-	-	-	-	-	-	**4.5**	-	-	-
	06/19/07	**3400**	-	**1600**	-	-	-	-	-	-	-	-	< 0.020	0.55	-	-	-	-	-	-	**4.8**	-	-	-
	05/21/08	**3600**	-	**1600**	-	-	-	-	-	-	-	-	< 0.020	0.52	-	-	-	-	-	-	**4.8**	-	-	-
	05/01/09	**3300**	-	**1800**	-	-	-	-	-	-	-	-	< 0.020	0.67	-	-	-	-	-	-	**5.6**	-	-	-
	11/16/10	**3180**	-	**1600**	-	-	-	-	-	-	-	-	< 0.020	0.63	-	-	-	-	-	-	**5.7**	-	-	-
	12/12/11	**3510**	-	**1500**	-	-	-	-	-	-	-	-	< 0.020	0.52	-	-	-	-	-	-	**5.7**	-	-	-
	10/16/12	**3290**	-	**1600**	-	-	-	-	-	-	-	-	0.029	0.52	-	-	-	-	-	-	**6.0**	-	-	-
MW-16	12/14/02	840	160	120	310	-	2.3[a]	-	72	28	12	170	-	-	-	-	-	-	-	-	< 0.002	-	-	-
	01/15/03	840	-	120	-	-	-	-	-	-	-	-	< 0.010	0.078	-	-	-	-	-	-	< 0.002	-	-	-
	05/26/04	**1000**	-	150	-	-	-	-	-	-	-	-	< 0.020	0.10	-	-	-	-	-	-	< 0.002	-	-	-
	04/13/05	**1100**	-	160	-	-	-	-	-	-	-	-	< 0.020	0.09	-	-	-	-	-	-	< 0.002	-	-	-
	04/09/06	**1200**	-	160	-	-	-	-	-	-	-	-	< 0.020	0.083	-	-	-	-	-	-	< 0.002	-	-	-
	06/19/07	**1300**	-	180	-	-	-	-	-	-	-	-	< 0.020	0.083	-	-	-	-	-	-	< 0.002	-	-	-
	05/21/08	**1300**	-	180	-	-	-	-	-	-	-	-	< 0.020	0.081	-	-	-	-	-	-	< 0.002	-	-	-
	05/01/09	**1200**	-	210	-	-	-	-	-	-	-	-	< 0.020	0.074	-	-	-	-	-	-	< 0.002	-	-	-
	11/16/10	**1310**	-	230	-	-	-	-	-	-	-	-	< 0.020	0.073	-	-	-	-	-	-	< 0.002	-	-	-
	12/12/11	**1330**	-	230	-	-	-	-	-	-	-	-	< 0.20	< 0.20	-	-	-	-	-	-	< 0.020	-	-	-
	10/16/12	**1330**	-	210	-	-	-	-	-	-	-	-	< 0.020	0.068	-	-	-	-	-	-	0.0023	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)										
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
Water Well	05/31/95	900	144	100	356	0.50	< 0.10	< 0.01	38.7	23.2	5.3	194	< 0.03	0.02	< 0.01	< 0.01	< 0.01	0.39	< 0.03	< 0.0002	0.01	< 0.04	< 0.01	< 0.03
	12/14/95	825	-	106	345	< 1.0	1.7	< 0.01	38	22.2	5.32	186	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/96	402	-	107	343	< 0.50	< 0.05	< 0.01	44.9	26.1	5.82	221	-	-	-	-	-	-	-	-	-	-	-	-
	02/08/97	854	-	109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/09/97	840	-	**500**	-	-	-	-	-	-	-	-	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	0.66	< 0.03	< 0.0002	0.02	< 0.04	< 0.01	0.19
	02/26/98	850	-	102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/04/98	850	-	113	-	-	-	-	-	-	-	-	< 0.1	0.020	< 0.005	< 0.01	< 0.01	0.05	< 0.05	< 0.0002	0.015	< 0.1	< 0.01	< 0.02
	02/11/99	850	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/11/99	830	-	110	-	-	-	-	-	-	-	-	< 0.02	0.0238	< 0.002	< 0.005	< 0.002	0.018	< 0.025	< 0.0002	0.014	< 0.02	< 0.003	< 0.01
	08/09/01	966	-	113	-	-	-	-	-	-	-	-	< 0.05	0.019	-	-	-	-	-	-	0.0146	-	-	-
	08/06/02	790	-	99	-	-	-	-	-	-	-	-	< 0.010	0.027	-	-	-	-	-	-	0.019	-	-	-
	01/16/03	780	-	100	-	-	-	-	-	-	-	-	< 0.010	0.028	-	-	-	-	-	-	0.021	-	-	-
	05/27/04	790	-	110	-	-	-	-	-	-	-	-	< 0.020	0.022	-	-	-	-	-	-	0.014	-	-	-
	04/13/05	840	-	120	-	-	-	-	-	-	-	-	< 0.020	0.021	-	-	-	-	-	-	0.013	-	-	-
	05/08/06	870	-	100	-	-	-	-	-	-	-	-	< 0.020	0.020	-	-	-	-	-	-	0.011	-	-	-
	06/18/07	840	-	110	-	-	-	-	-	-	-	-	< 0.020	0.022	-	-	-	-	-	-	0.013	-	-	-
	05/20/08	820	-	98	-	-	-	-	-	-	-	-	< 0.020	< 0.020	-	-	-	-	-	-	0.0099	-	-	-
	04/30/09	850	-	120	-	-	-	-	-	-	-	-	< 0.020	0.022	-	-	-	-	-	-	0.013	-	-	-
	11/17/10	864	-	120	-	-	-	-	-	-	-	-	< 0.020	0.022	-	-	-	-	-	-	0.012	-	-	-
	12/12/11	862	-	110	-	-	-	-	-	-	-	-	< 0.020	0.021	-	-	-	-	-	-	0.023	-	-	-
	10/17/12	893	-	110	-	-	-	-	-	-	-	-	< 0.020	< 0.020	-	-	-	-	-	-	0.017	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)											
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
SVE-2	12/13/95	**2670**	-	**1500**	43	3.0	**31.9**	0.03	317	25.2	26.8	1720	-	-	-	-	-	-	-	-	-	-	-	-
	02/20/96	**2410**	-	**495**	33.5	< 0.50	< 0.05	0.01	66.5	56.6	25	1390	-	-	-	-	-	-	-	-	-	-	-	-
	10/17/00	**2390**	-	**532**	-	-	-	-	-	-	-	-	0.0835	0.118	-	-	-	-	-	-	**0.258**	-	-	-
	08/08/01	**2610**	-	**597**	-	-	-	-	-	-	-	-	0.0709	0.0705	-	-	-	-	-	-	0.167	-	-	-
	08/06/02	**2700**	-	**610**	-	-	-	-	-	-	-	-	**0.13**	0.088	-	-	-	-	-	-	0.12	-	-	-
	01/15/03	**2400**	-	**390**	-	-	-	-	-	-	-	-	**0.15**	0.090	-	-	-	-	-	-	**0.25**	-	-	-
	05/27/04	**2300**	-	**590**	-	-	-	-	-	-	-	-	**0.11**	0.057	-	-	-	-	-	-	**0.40**	-	-	-
	04/13/05	**2200**	-	**530**	-	-	-	-	-	-	-	-	**0.17**	0.033	-	-	-	-	-	-	0.069	-	-	-
	05/09/06	**1600**	-	**430**	-	-	-	-	-	-	-	-	**0.10**	0.047	-	-	-	-	-	-	**0.49**	-	-	-
	06/20/07	**1400**	-	**380**	-	-	-	-	-	-	-	-	**0.12**	0.063	-	-	-	-	-	-	**0.34**	-	-	-
	05/20/08	**2100**	-	**660**	-	-	-	-	-	-	-	-	**0.22**	0.077	-	-	-	-	-	-	0.12	-	-	-
	04/30/09	**3100**	-	**1300**	-	-	-	-	-	-	-	-	**0.12**	0.057	-	-	-	-	-	-	0.12	-	-	-
	11/16/10	**2150**	-	**930**	-	-	-	-	-	-	-	-	**0.12**	0.060	-	-	-	-	-	-	0.31	-	-	-
	12/12/11	**3880**	-	**1300**	-	-	-	-	-	-	-	-	0.073	0.045	-	-	-	-	-	-	0.18	-	-	-
	10/17/12	**1190**	-	**420**	-	-	-	-	-	-	-	-	**0.10**	0.026	-	-	-	-	-	-	0.13	-	-	-
SVE-5	10/18/00	**12000**	-	**4010**	-	-	-	-	-	-	-	-	**0.515**	**1.00**	-	-	-	-	-	-	0.144	-	-	-
	08/08/01	**17700**	-	**6010**	-	-	-	-	-	-	-	-	**0.593**	**1.38**	-	-	-	-	-	-	< 0.01	-	-	-
	08/06/02	**13000**	-	**4100**	-	-	-	-	-	-	-	-	**0.45**	**1.4**	-	-	-	-	-	-	0.046	-	-	-
	01/14/03	**17000**	-	**8600**	-	-	-	-	-	-	-	-	**0.56**	**1.1**	-	-	-	-	-	-	< 0.002	-	-	-
	05/26/04	**16000**	-	**2500**	-	-	-	-	-	-	-	-	**0.56**	**1.6**	-	-	-	-	-	-	< 0.010	-	-	-
	04/13/05	**11000**	-	**3400**	-	-	-	-	-	-	-	-	**0.45**	**2.0**	-	-	-	-	-	-	0.014	-	-	-
	05/09/06	**12000**	-	**3900**	-	-	-	-	-	-	-	-	**0.40**	**1.6**	-	-	-	-	-	-	< 0.020	-	-	-
	06/19/07	**8600**	-	**2700**	-	-	-	-	-	-	-	-	**0.18**	**1.6**	-	-	-	-	-	-	< 0.0020	-	-	-
	05/20/08	**15000**	-	**4500**	-	-	-	-	-	-	-	-	**0.37**	**1.9**	-	-	-	-	-	-	< 0.0020	-	-	-
	04/30/09	**13000**	-	**4300**	-	-	-	-	-	-	-	-	**0.38**	**1.6**	-	-	-	-	-	-	0.0035	-	-	-
	11/16/10	**11000**	-	**3800**	-	-	-	-	-	-	-	-	**0.35**	**1.6**	-	-	-	-	-	-	< 0.010	-	-	-
	12/12/11	**10100**	-	**4100**	-	-	-	-	-	-	-	-	**0.26**	**1.7**	-	-	-	-	-	-	0.0022	-	-	-
	10/17/12	**10900**	-	**3500**	-	-	-	-	-	-	-	-	**0.26**	**1.6**	-	-	-	-	-	-	< 0.0020	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)											
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
SVE-6	10/18/00	**8170**	-	**2080**	-	-	-	-	-	-	-	-	0.0483	**90.5**	-	-	-	-	-	-	**45.6**	-	-	-
	08/08/01	**9250**	-	**1800**	-	-	-	-	-	-	-	-	**0.359**	0.287	-	-	-	-	-	-	0.0165	-	-	-
	08/06/02	**8200**	-	**960**	-	-	-	-	-	-	-	-	**0.21**	0.20	-	-	-	-	-	-	0.021	-	-	-
	01/15/03	**10000**	-	**1900**	-	-	-	-	-	-	-	-	**0.42**	0.21	-	-	-	-	-	-	0.0066	-	-	-
	05/26/04	**6800**	-	**1100**	-	-	-	-	-	-	-	-	**0.17**	0.23	-	-	-	-	-	-	0.0086	-	-	-
	04/13/05	**7600**	-	**1400**	-	-	-	-	-	-	-	-	**0.15**	0.22	-	-	-	-	-	-	< 0.010	-	-	-
	05/09/06	**8900**	-	**1600**	-	-	-	-	-	-	-	-	**0.25**	0.21	-	-	-	-	-	-	< 0.002	-	-	-
	06/19/07	**9000**	-	**1700**	-	-	-	-	-	-	-	-	**0.27**	0.24	-	-	-	-	-	-	0.095	-	-	-
	05/21/08	**7700**	-	**1500**	-	-	-	-	-	-	-	-	**0.32**	0.22	-	-	-	-	-	-	0.0022	-	-	-
	04/30/09	**8500**	-	**1800**	-	-	-	-	-	-	-	-	**0.31**	0.21	-	-	-	-	-	-	0.0024	-	-	-
	11/16/10	**8710**	-	**1900**	-	-	-	-	-	-	-	-	**0.29**	0.21	-	-	-	-	-	-	0.0061	-	-	-
	12/12/11	**8120**	-	**1800**	-	-	-	-	-	-	-	-	**0.29**	0.18	-	-	-	-	-	-	0.0034	-	-	-
	10/17/12	**7440**	-	**1800**	-	-	-	-	-	-	-	-	**0.26**	0.17	-	-	-	-	-	-	< 0.0020	-	-	-
SVE-7	10/17/00	**3360**	-	**1450**	-	-	-	-	-	-	-	-	0.0734	**1.83**	-	-	-	-	-	-	**0.730**	-	-	-
	08/08/01	**4340**	-	**2060**	-	-	-	-	-	-	-	-	0.0777	0.626	-	-	-	-	-	-	0.0590	-	-	-
	08/05/02	**4900**	-	**2100**	-	-	-	-	-	-	-	-	0.083	0.69	-	-	-	-	-	-	0.063	-	-	-
	01/15/03	**3500**	-	**1300**	-	-	-	-	-	-	-	-	0.082	0.38	-	-	-	-	-	-	0.13	-	-	-
	05/27/04	**3400**	-	**1300**	-	-	-	-	-	-	-	-	0.062	0.27	-	-	-	-	-	-	0.12	-	-	-
	04/13/05	**4800**	-	**2200**	-	-	-	-	-	-	-	-	**0.12**	0.51	-	-	-	-	-	-	0.11	-	-	-
	05/10/06	**3700**	-	**1300**	-	-	-	-	-	-	-	-	0.093	0.23	-	-	-	-	-	-	0.14	-	-	-
	06/20/07	**3400**	-	**1400**	-	-	-	-	-	-	-	-	0.096	0.23	-	-	-	-	-	-	0.11	-	-	-
	05/22/08	**3800**	-	**1500**	-	-	-	-	-	-	-	-	0.041	0.17	-	-	-	-	-	-	0.10	-	-	-
	04/30/09	**2600**	-	**1000**	-	-	-	-	-	-	-	-	0.032	0.11	-	-	-	-	-	-	0.12	-	-	-
	11/17/10	**3500**	-	**1100**	-	-	-	-	-	-	-	-	< 0.10	0.038	-	-	-	-	-	-	0.098	-	-	-
	12/12/11	**4420**	-	**1800**	-	-	-	-	-	-	-	-	0.094	0.12	-	-	-	-	-	-	0.033	-	-	-
	10/17/12	**5070**	-	**2400**	-	-	-	-	-	-	-	-	**0.14**	0.39	-	-	-	-	-	-	0.025	-	-	-

Table 3. Summary of Groundwater Analyses - Inorganics
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	Alk., total (mg/L)	Major Ions (mg/L)									Metals (mg/L)											
				Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	none	250	600	none	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
SVE-11	10/18/00	**10600**	-	**2660**	-	-	-	-	-	-	-	-	**0.700**	0.425	-	-	-	-	-	-	0.0150	-	-	-
	08/08/01	**10500**	-	**2790**	-	-	-	-	-	-	-	-	**0.51**	0.393	-	-	-	-	-	-	< 0.01	-	-	-
	08/06/02	**12000**	-	**2200**	-	-	-	-	-	-	-	-	**0.76**	0.33	-	-	-	-	-	-	< 0.0020	-	-	-
	01/15/03	**4800**	-	**1000**	-	-	-	-	-	-	-	-	**0.28**	0.22	-	-	-	-	-	-	0.0027	-	-	-
	05/27/04	**11000**	-	**2500**	-	-	-	-	-	-	-	-	**0.90**	0.36	-	-	-	-	-	-	0.0029	-	-	-
	04/14/05	**9800**	-	**2400**	-	-	-	-	-	-	-	-	**0.23**	0.29	-	-	-	-	-	-	< 0.010	-	-	-
	05/09/06	**8800**	-	**1900**	-	-	-	-	-	-	-	-	**0.28**	0.21	-	-	-	-	-	-	< 0.010	-	-	-
	06/19/07	**5600**	-	**1300**	-	-	-	-	-	-	-	-	**0.23**	0.35	-	-	-	-	-	-	0.0028	-	-	-
	05/22/08	**8900**	-	**1900**	-	-	-	-	-	-	-	-	**0.34**	0.19	-	-	-	-	-	-	0.0025	-	-	-
	04/30/09	**6200**	-	**1500**	-	-	-	-	-	-	-	-	**0.46**	0.21	-	-	-	-	-	-	0.013	-	-	-
	11/17/10	**6130**	-	**1600**	-	-	-	-	-	-	-	-	**0.41**	0.20	-	-	-	-	-	-	0.0025	-	-	-
	12/12/11	**2690**	-	**640**	-	-	-	-	-	-	-	-	0.053	0.34	-	-	-	-	-	-	0.0027	-	-	-
	10/17/12	**5650**	-	**1600**	-	-	-	-	-	-	-	-	**0.32**	0.24	-	-	-	-	-	-	0.0024	-	-	-

Notes:
(a) Nitrate + Nitrite

Table 4. Summary of SVE System Vapor Concentration Monitoring
TW Bell Lake Gas Plant

	SVE Blower Unit				
Date	Total NMHC C(ug/L)	Flow Rate Q(scfm)	Potential Emissions M(lb/hr)	Projected M(tons/mo)	Projected M(gals/mo)
08/10/97	2,800	260	2.7	1.00	327
01/09/98	4,000	260	3.9	1.42	468
08/04/98	2,400	260	2.3	0.85	281
08/12/98	2,300	260	2.2	0.82	269
08/12/98	2,500	260	2.4	0.89	292
04/14/99	3,000	260	2.9	1.07	351
12/07/99	1,200	260	1.2	0.43	140
12/07/99	1,200	260	1.2	0.43	140
05/22/00	1,300	260	1.3	0.46	152
05/22/00	1,100	260	1.1	0.39	129
07/31/02	776	260	0.8	0.28	91
07/31/02	789	260	0.8	0.28	92
05/02/03	499	260	0.5	0.18	58
05/02/03	669	260	0.7	0.24	78
07/25/03	69	260	0.1	0.02	8
07/25/03	176	260	0.2	0.06	21
08/18/03	555	260	0.5	0.20	65
04/20/04	457	260	0.4	0.16	53
04/20/04	588	260	0.6	0.21	69
08/30/04	610	260	0.6	0.22	71
08/30/04	617	260	0.6	0.22	72
08/08/05	377	260	0.4	0.13	44
08/08/05	419	260	0.4	0.15	49
11/14/05	469	260	0.5	0.17	55
11/14/05	462	260	0.4	0.16	54
09/18/06	412	260	0.4	0.15	48
09/18/06	398	260	0.4	0.14	47
07/01/08	253	260	0.2	0.09	30
07/01/08	238	260	0.2	0.08	28
06/27/09	323	260	0.3	0.11	38
06/27/09	300	260	0.3	0.11	35
11/12/10	308	260	0.3	0.11	36
11/12/10	294	260	0.3	0.10	34
07/17/11	207	260	0.2	0.07	24
07/06/12	151	260	0.1	0.05	18
07/06/12	147	260	0.1	0.05	17
07/28/12	230	260	0.2	0.08	27
07/28/12	245	260	0.2	0.09	29
08/31/12	309	260	0.3	0.11	36
08/31/12	316	260	0.3	0.11	37
10/11/12	140	260	0.1	0.05	16
10/11/12	140	260	0.1	0.05	16

Notes:
1) Concentrations based on Hall Lab analysis of SVE system samples
2) A flow rate of 260 cfm was used in the calculation because this is the max allowed by the NOI

Table 5. Summary of Completion Details for Soil Borings Completed as Wells
TW Bell Lake Gas Plant

Well	Source[a]	Date of Completion	Measuring Point Elevation (ft)	Northing (ft)	Easting (ft)	Total Depth of Boring (ft bgs)	Measured Depth of Well (ft from TOC)	Surface Completion Type	Casing Diameter (in.)	Screen Interval (ft bgs)	Top of Sand Pack (ft bgs)
MW-1	Layne/B&C	11/29/93	3635.37 (b)	124.48	237.59	97.0	95.61	Flush Mount	4	82-97	80
MW-2	Layne/B&C	11/29/93	3634.68 (d)	237.17	156.05	100.0	96.41	Flush Mount	4	85-100	83
MW-3	Layne/B&C	11/29/93	3639.64 (b)	16.90	-236.04	106.0	103.62	Flush Mount	4	89-104	87
MW-4	GPI/B&C	12/03/94	3637.04 (c)	-24.28	210.35	100.0	93.11	Flush Mount	2	85-100	81
MW-5	GPI/B&C	12/04/94	3635.31 (b)	-7.71	355.11	99.0	97.05	Flush Mount	2	84-99	82
MW-6	GPI/B&C	12/05/94	3634.66 (b)	60.78	392.61	100.0	94.68	Flush Mount	2	83-98	81
MW-7	Harrison/CES	12/07/95	3636.00 (d)	-230.36	226.39	100.6	98.11	Flush Mount	2	85-100	82.8
MW-8	Harrison/CES	12/06/95	3635.30 (c)	-239.38	385.84	100.0	97.62	Flush Mount	2	85-100	82.1
MW-9	Harrison/CES	12/06/95	3633.58 (b)	-136.98	523.60	100.0	99.23	Flush Mount	2	85-100	82.6
MW-10	GPI/CES	01/06/98	3633.24 (d)	-203.69	706.63	100.0	100.15	Flush Mount	2	80-100	78
MW-11	GPI/CES	01/07/98	3631.56 (d)	-364.21	708.32	100.0	99.51	Flush Mount	2	80-100	78
MW-12	GPI/CES	01/08/98	3630.61 (d)	-387.71	1005.14	100.0	99.20	Flush Mount	2	80-100	78
MW-13	GPI/CES	12/15/99	3626.97 (d)	-748.40	1206.56	90.5	89.90	Flush Mount	2	75.5-90.5	72
MW-14	GPI/CES	12/10/02	3631.43 (e)	-534.56	437.41	94.0	93.47	Flush Mount	2	74-94	69
MW-15	GPI/CES	12/11/02	3629.00 (e)	-611.10	968.12	94.0	92.95	Flush Mount	2	74-94	69
MW-16	GPI/CES	12/13/02	3625.87 (e)	-905.79	1058.50	90.0	88.02	Flush Mount	2	70-90	65
SVE-1	Harrison/CES	12/07/95	3638.22 (d)	100.09	129.28	100.0	93.65	Flush Mount	2	40-100	37.8
SVE-2	Harrison/CES	12/08/95	3637.53 (d)	140.14	125.71	100.0	100.54	Flush Mount	2	40-100	37.1
SVE-3	Harrison/CES	12/09/95	3637.62 (d)	221.18	88.69	100.0	101.00	Flush Mount	2	40-100	37.1
SVE-4	GPI/CES	11/08/97	3636.48 (d)	37.71	171.36	100.5	99.56	Flush Mount	4	85.5-100.5	83.5
SVE-5	GPI/CES	11/09/97	3635.66 (d)	42.74	212.29	100.0	96.45	Flush Mount	4	85-100	83
SVE-6	GPI/CES	11/11/97	3636.38 (d)	4.70	146.28	100.0	95.55	Flush Mount	4	85-100	83
SVE-7	GPI/CES	11/12/97	3636.01 (d)	193.49	101.15	98.0	94.45	Flush Mount	4	83-98	81
SVE-8	GPI/CES	05/24/99	3637.72 (d)	91.29	134.89	100.0	101.25	Flush Mount	4	84.5-99.5	81.5
SVE-9	GPI/CES	05/24/99	3637.51 (d)	64.49	153.29	100.0	100.55	Flush Mount	4	84-99	80.5
SVE-10	GPI/CES	05/27/99	3637.36 (d)	2.37	192.62	100.0	100.88	Flush Mount	4	84.5-99.5	81.5
SVE-11	GPI/CES	05/21/99	3637.31 (d)	-49.43	238.78	100.0	100.81	Flush Mount	4	84.5-99.5	81.5
SVE-12	GPI/CES	05/23/99	3637.41 (d)	37.32	176.02	100.0	100.42	Flush Mount	4	84-99	81
SVE-13	GPI/CES	12/15/99	3637.33 (d)	21.87	214.30	99.0	99.18	Flush Mount	4	84-99	81

Notes:

(a) Driller/Consultant

(b) TOC elevation based on survey by John West Surveying Co. on 12/28/95

(c) TOC elevation based on survey by CES (GCR) on 01/09/98

(d) TOC elevation based on survey by John West Surveying Co. on 12/27/99 w/adjustments: MW-2 = +0.06, MW-7 & SVE-1-13 = +0.08, MW-10-13 = +0.02

(e) TOC elevation based on survey by John West Surveying Co. on 01/09/03

Table 6. Monitor Well Sampling Locations, Frequency, and Sample Analysis Plan
TW Bell Lake Gas Plant

	Analytical Requirements			
Well ID	**1st Semiannual Event**	**2nd Semiannual Event**	**Benzene (ppb) Latest Result**	**Comments**
MW-1	BTEX	BTEX, TDS, Cl, As, Ba & Mn	5	
MW-2	BTEX	BTEX, TDS, Cl, As, Ba & Mn	2	
MW-3	----	----	< 5	Well has been abandoned
MW-4	none	BTEX, TDS, Cl, As, Ba & Mn	240*	Well contains PSH intermittently *Result from 2/8/97 sample event
MW-5	BTEX	BTEX, TDS, Cl, As, Ba & Mn	13	
MW-6	BTEX	BTEX, TDS, Cl, As, Ba & Mn	19	
MW-7	BTEX	BTEX, TDS, Cl, As, Ba & Mn	< 1	
MW-8	BTEX	BTEX, TDS, Cl, As, Ba & Mn	260	
MW-9	BTEX	BTEX, TDS, Cl, As, Ba & Mn	120	
MW-10	BTEX	BTEX, TDS, Cl, As, Ba & Mn	31	
MW-11	BTEX	BTEX, TDS, Cl, As, Ba & Mn	460	
MW-12	BTEX	BTEX, TDS, Cl, As, Ba & Mn	< 1	
MW-13	BTEX	BTEX, TDS, Cl, As, Ba & Mn	< 1	
MW-14	BTEX	BTEX, TDS, Cl, As, Ba & Mn	< 1	
MW-15	BTEX	BTEX, TDS, Cl, As, Ba & Mn	< 1	
MW-16	BTEX	BTEX, TDS, Cl, As, Ba & Mn	< 1	
Water Well	BTEX	BTEX, TDS, Cl, As, Ba & Mn	< 1	
SVE-2	BTEX	BTEX, TDS, Cl, As, Ba & Mn	6.9	
SVE-5	BTEX	BTEX, TDS, Cl, As, Ba & Mn	470	
SVE-6	BTEX	BTEX, TDS, Cl, As, Ba & Mn	150	
SVE-7	BTEX	BTEX, TDS, Cl, As, Ba & Mn	25	
SVE-11	BTEX	BTEX, TDS, Cl, As, Ba & Mn	300	

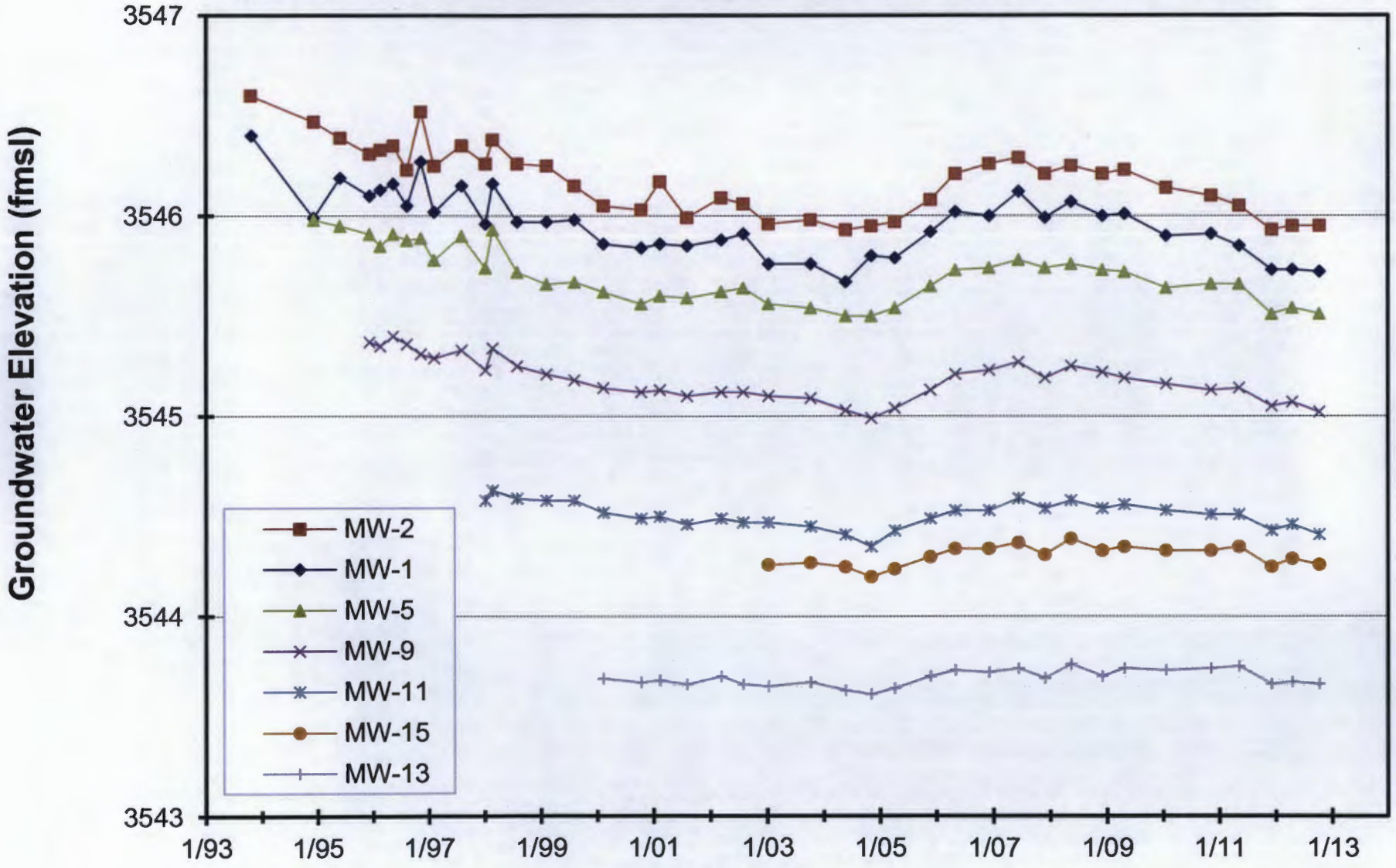
Notes:
1) na - not available
2) BTEX - BTEX Compounds by EPA Method 8021B
3) "Comments" are provided for wells that will not be sampled during one or more events

APPENDIX A

Hydrograph for Selected Monitoring Wells with No Accumulated PSH

Bell Lake Remediation Site

Hydrograph for Selected Wells with No Accumulated PSH

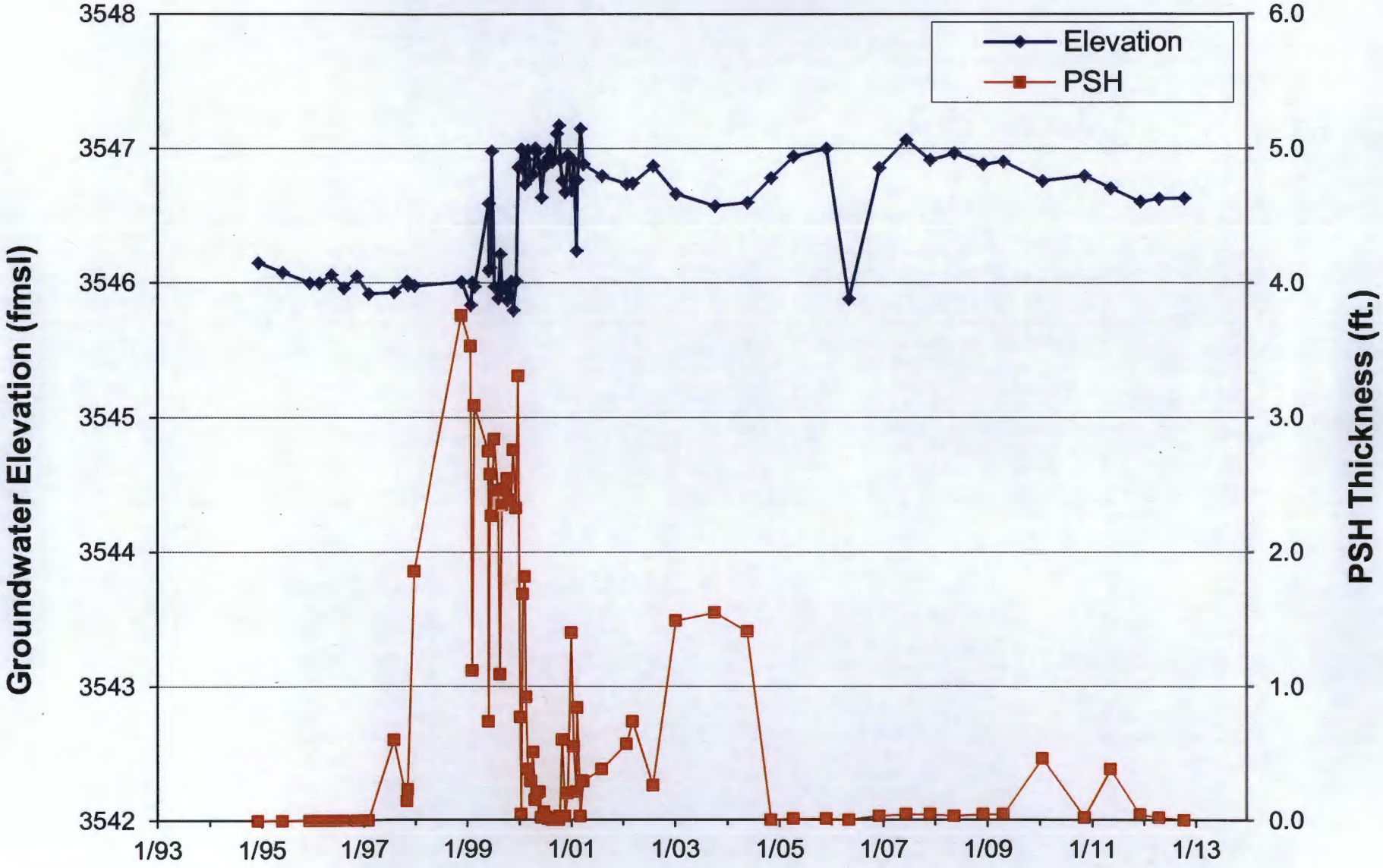


APPENDIX B

Hydrographs for Wells with Accumulated PSH

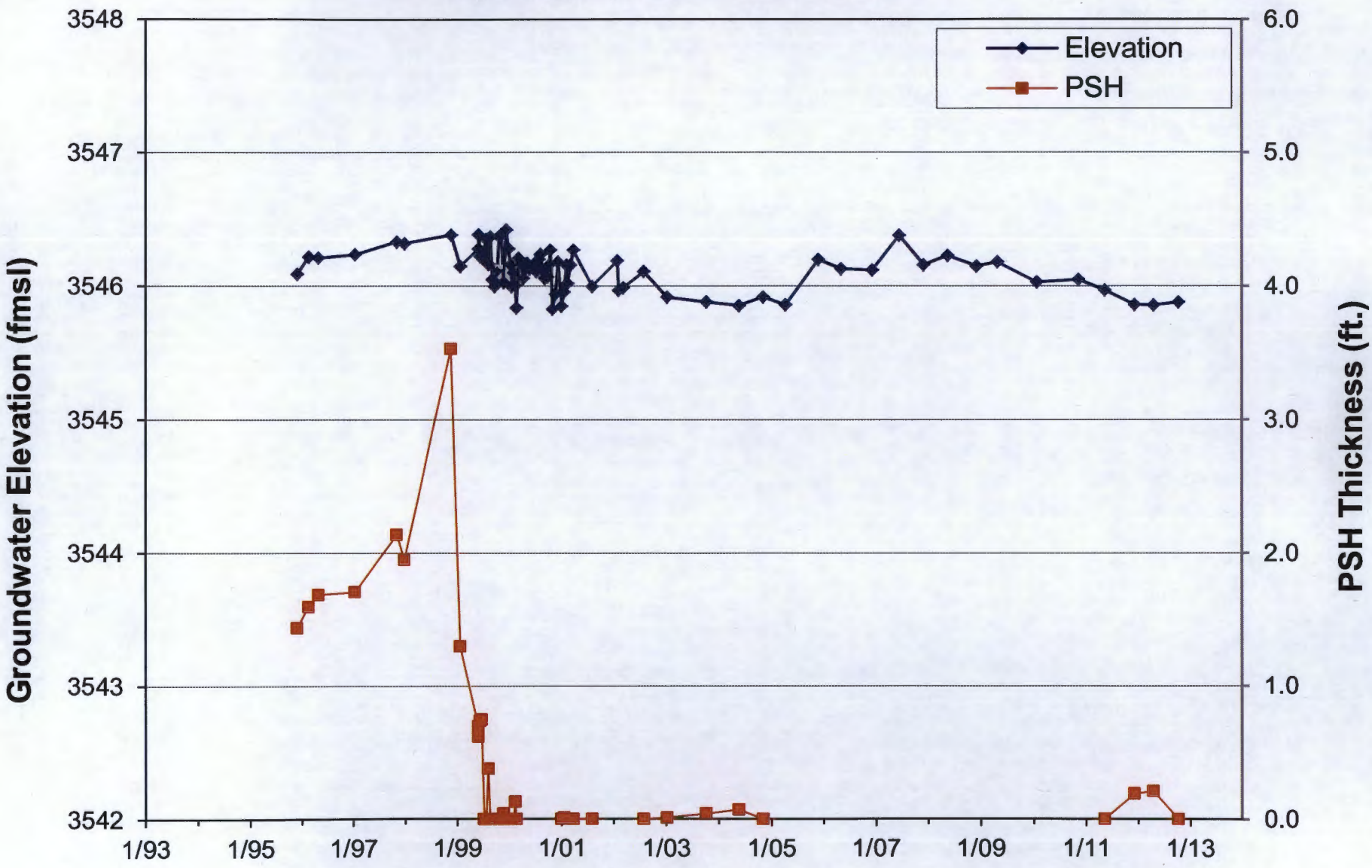
Bell Lake Remediation Site

Hydrograph for Well MW-4



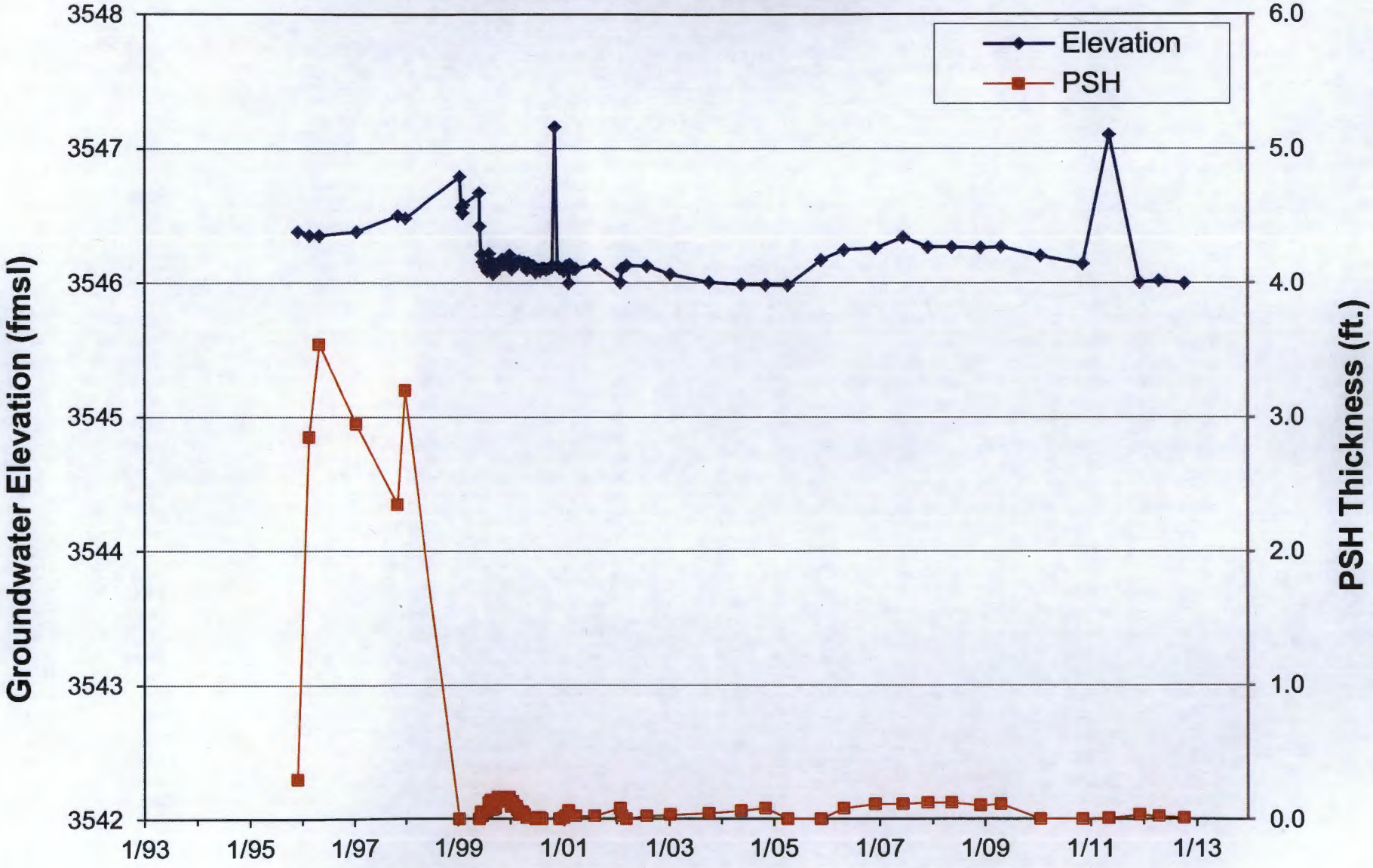
Bell Lake Remediation Site

Hydrograph for Well SVE-1



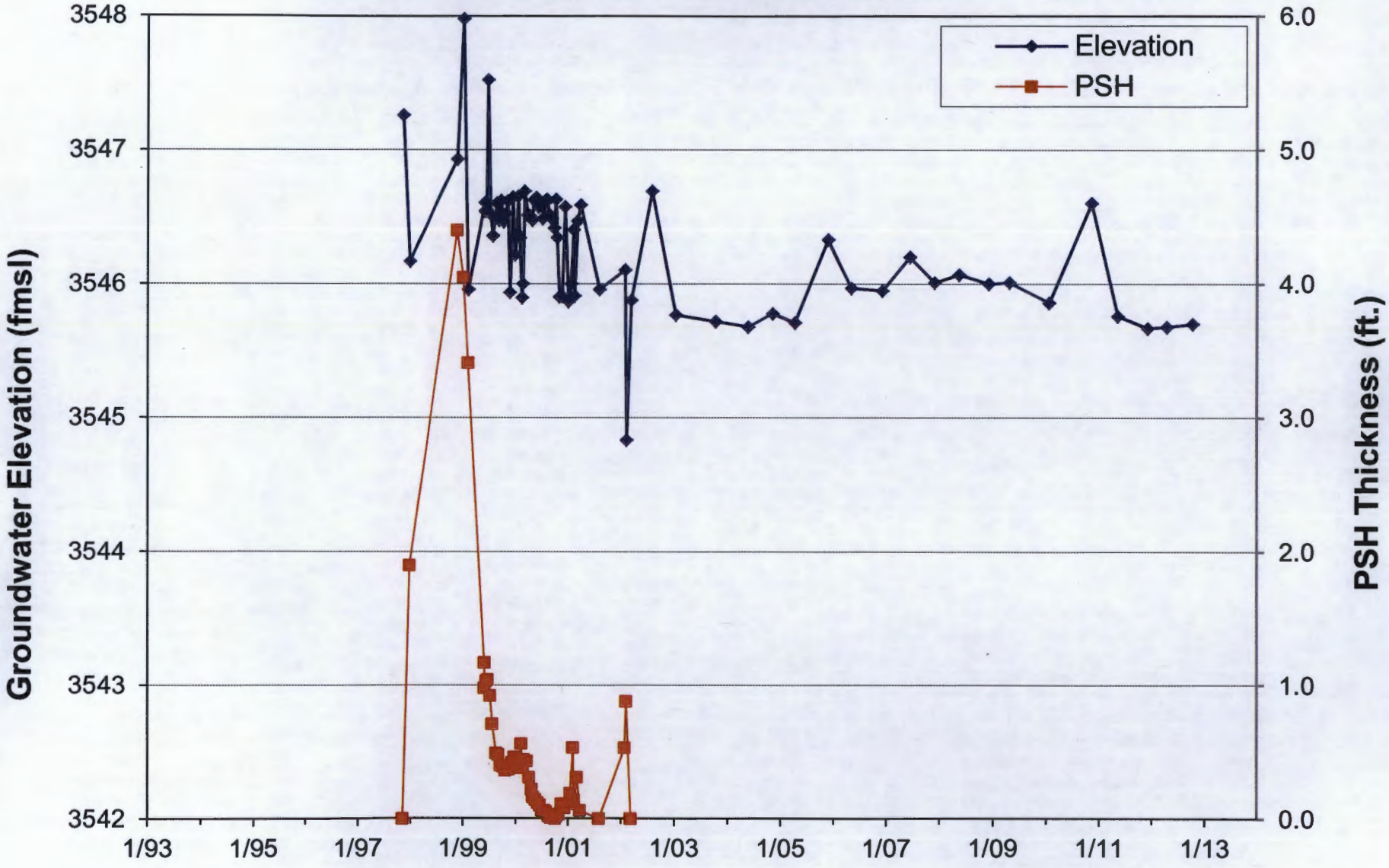
Bell Lake Remediation Site

Hydrograph for Well SVE-3



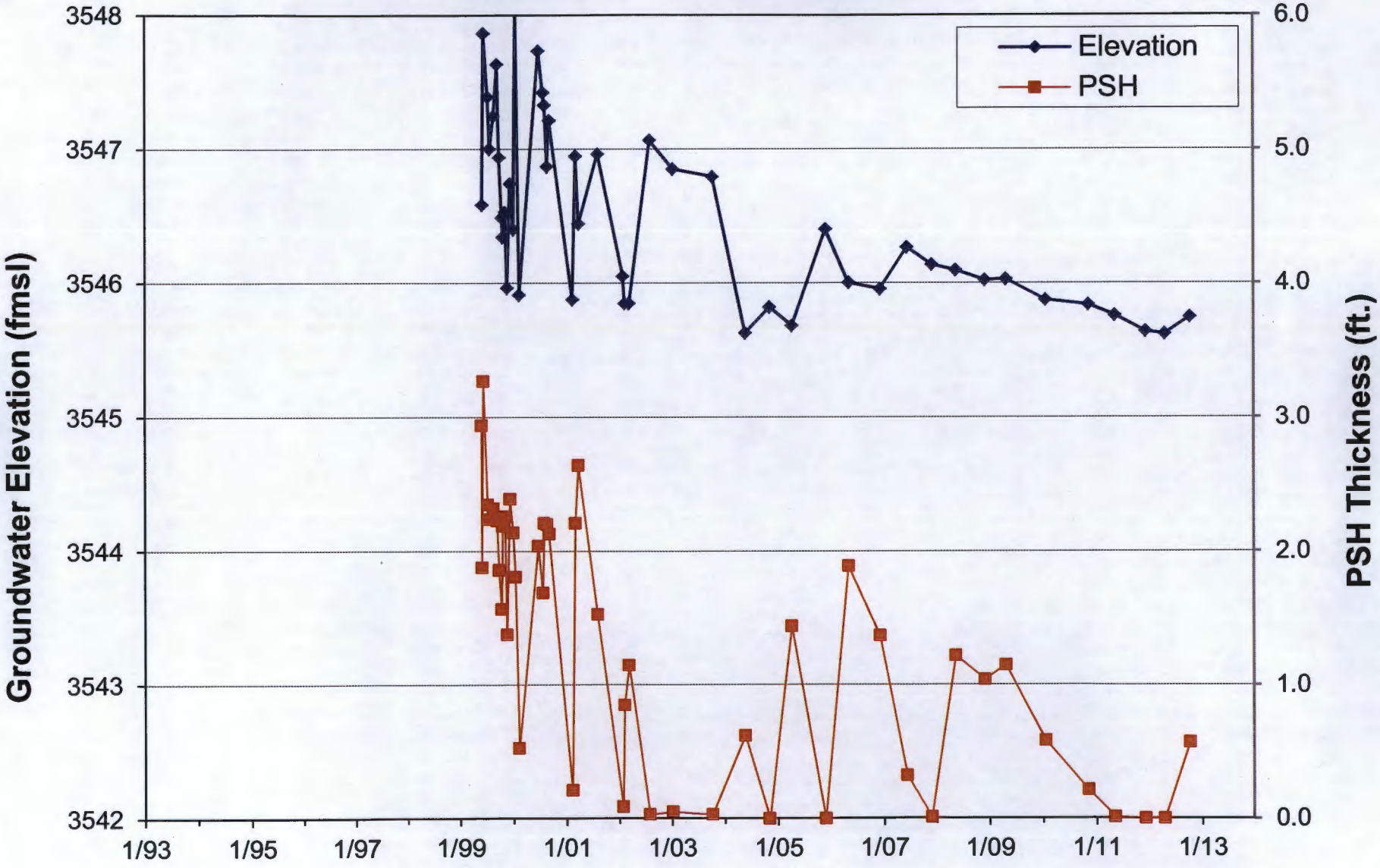
Bell Lake Remediation Site

Hydrograph for Well SVE-4



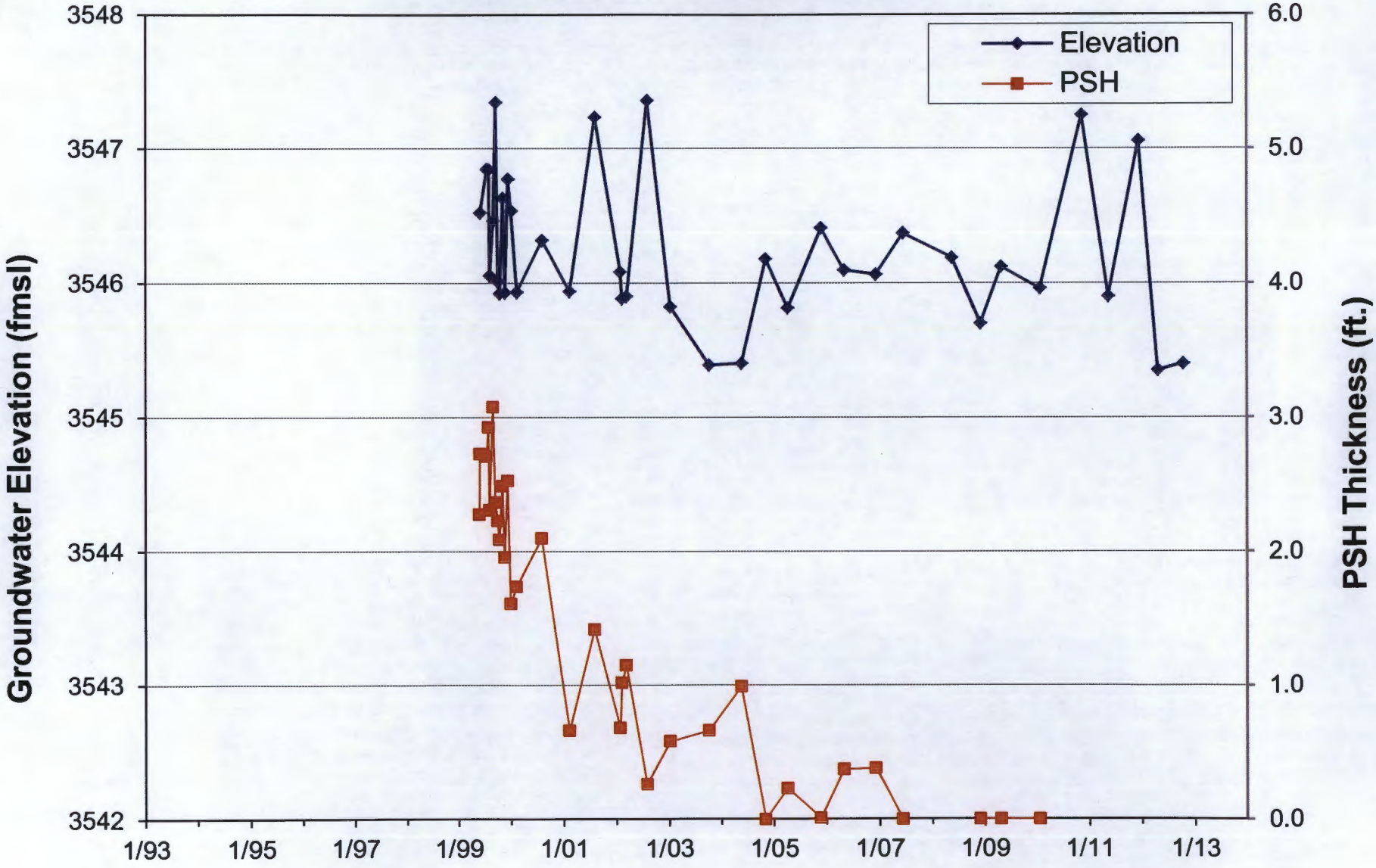
Bell Lake Remediation Site

Hydrograph for Well SVE-8

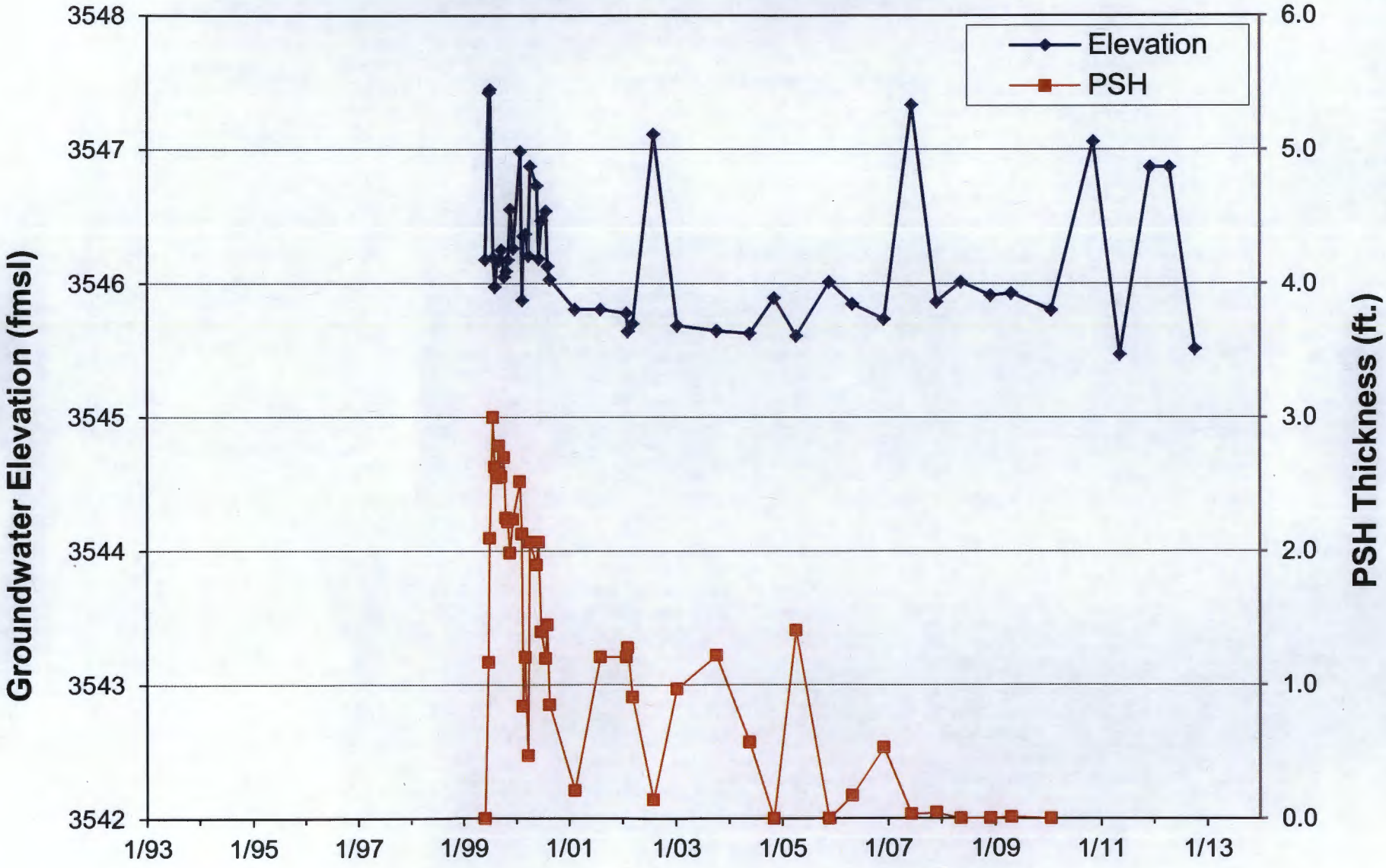


Bell Lake Remediation Site

Hydrograph for Well SVE-9

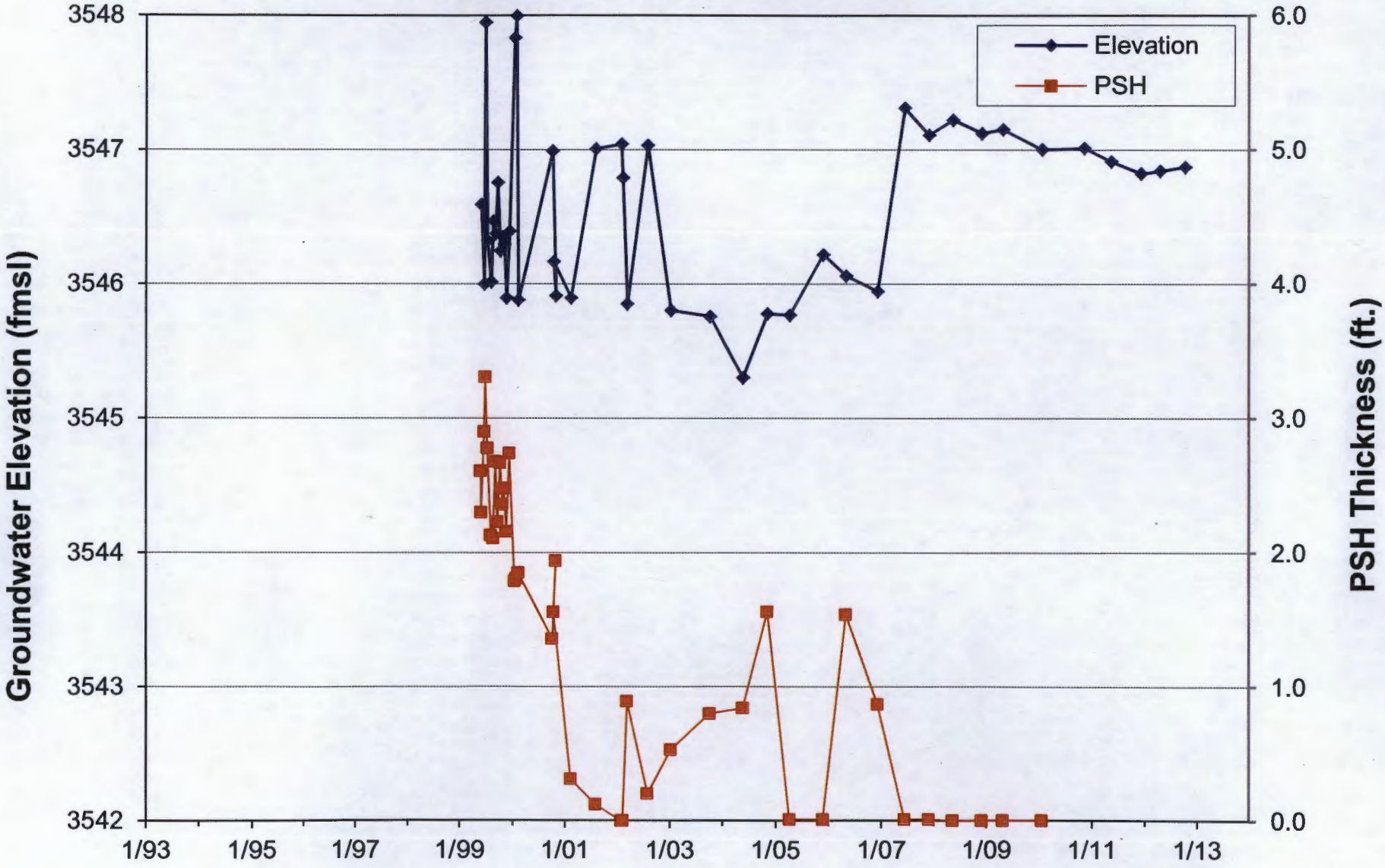


Bell Lake Remediation Site
Hydrograph for Well SVE-10



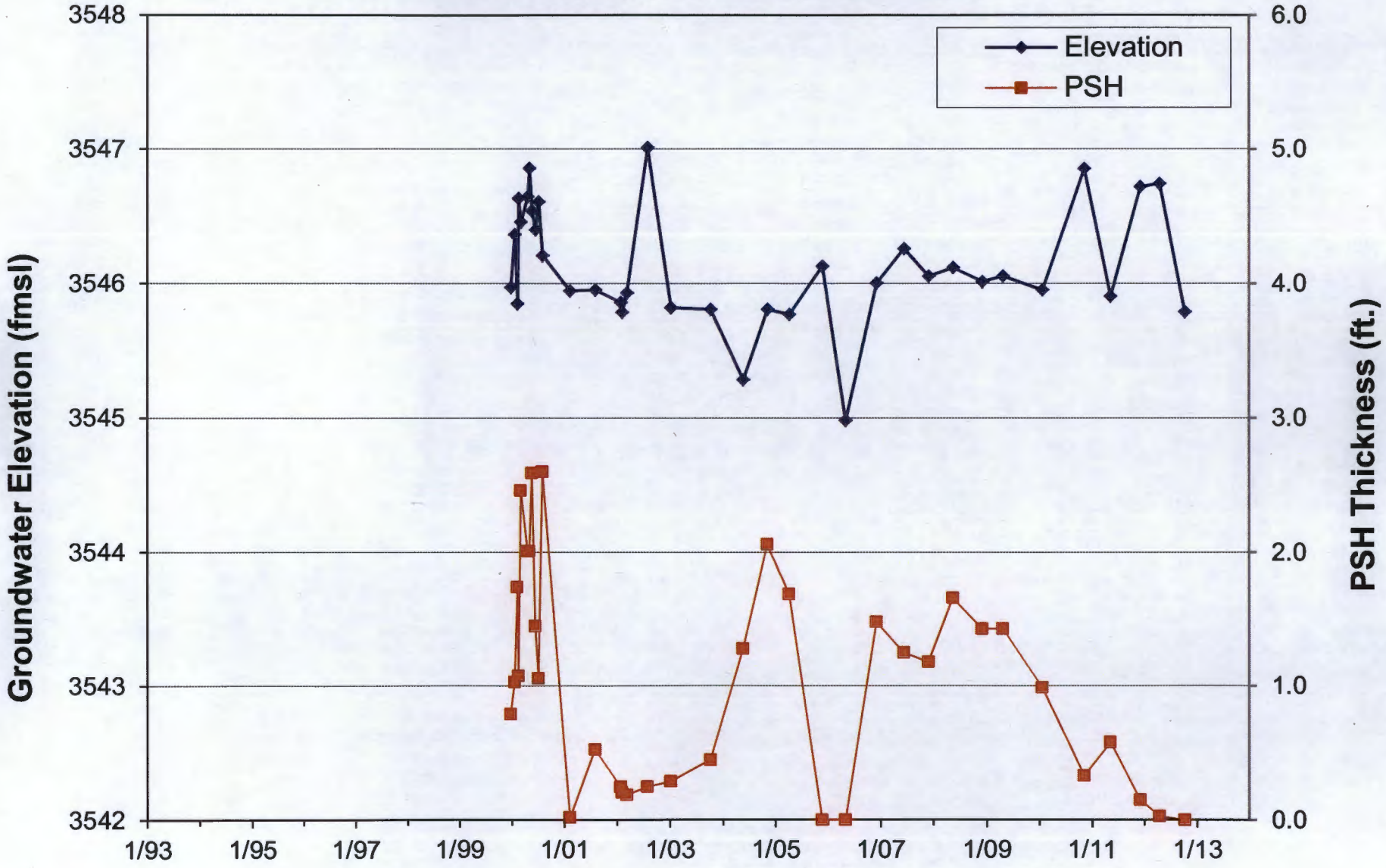
Bell Lake Remediation Site

Hydrograph for Well SVE-12



Bell Lake Remediation Site

Hydrograph for Well SVE-13

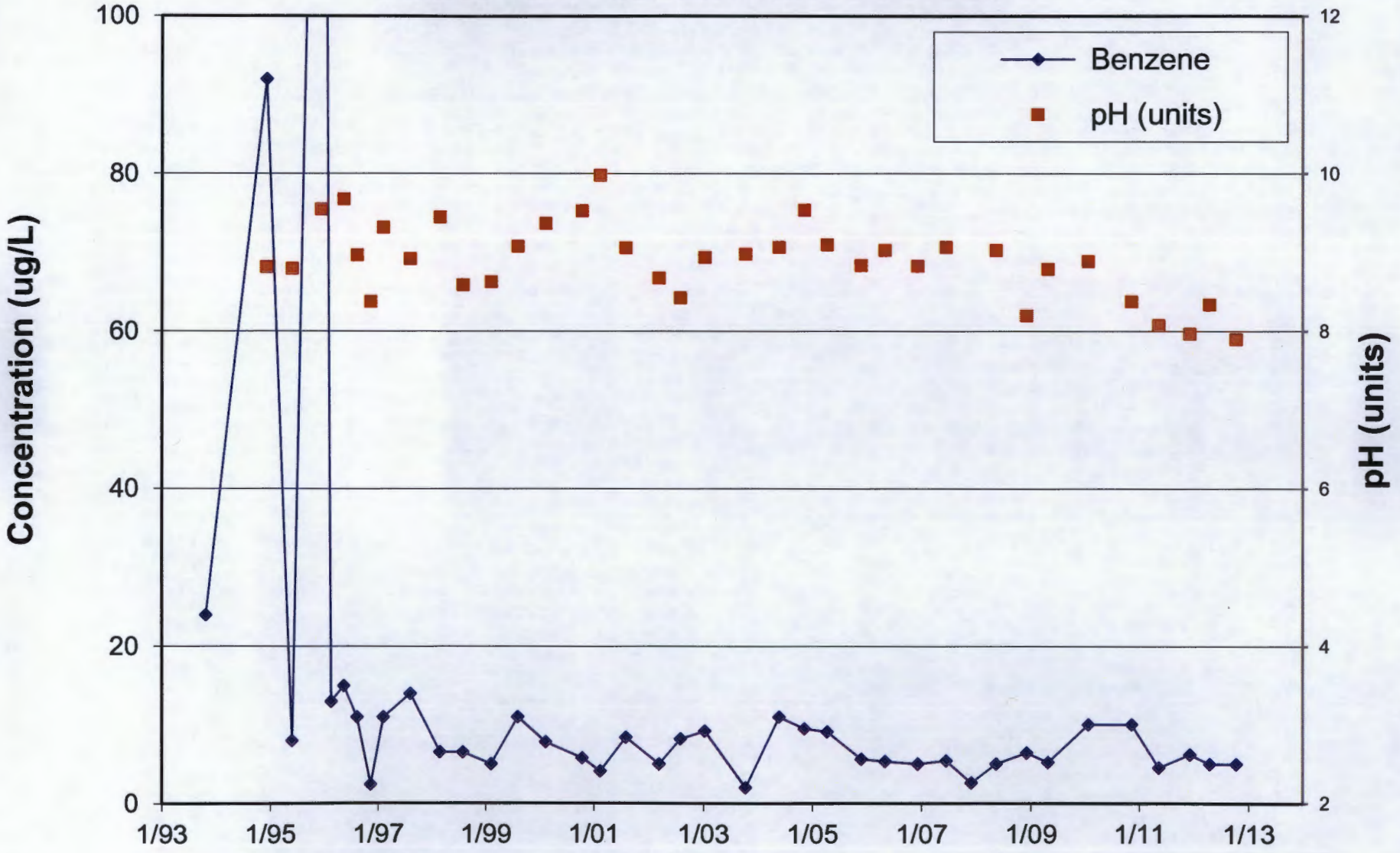


APPENDIX C

Concentration History Plots
Benzene & pH

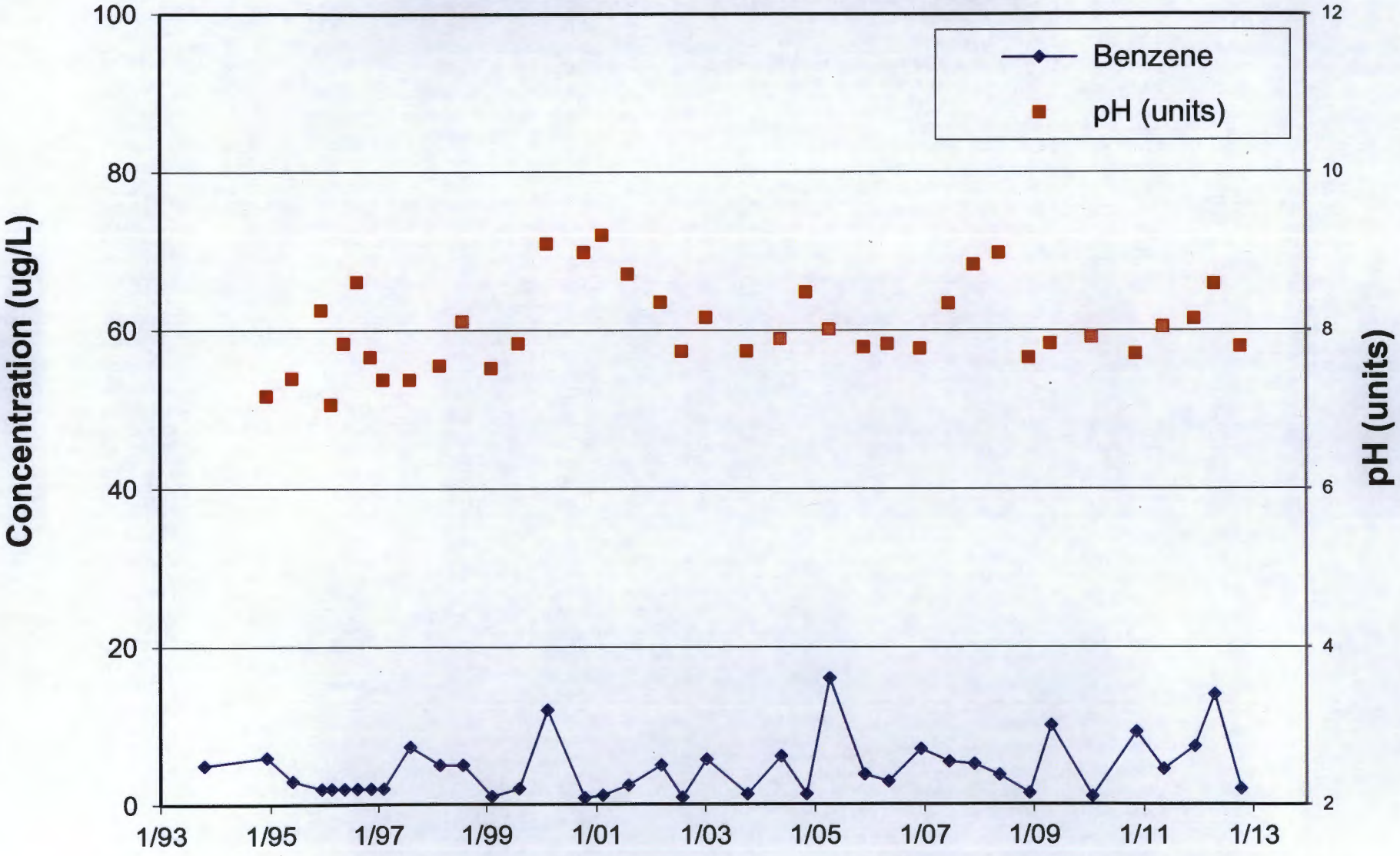
Bell Lake Remediation Site

Concentration History at Well MW-1



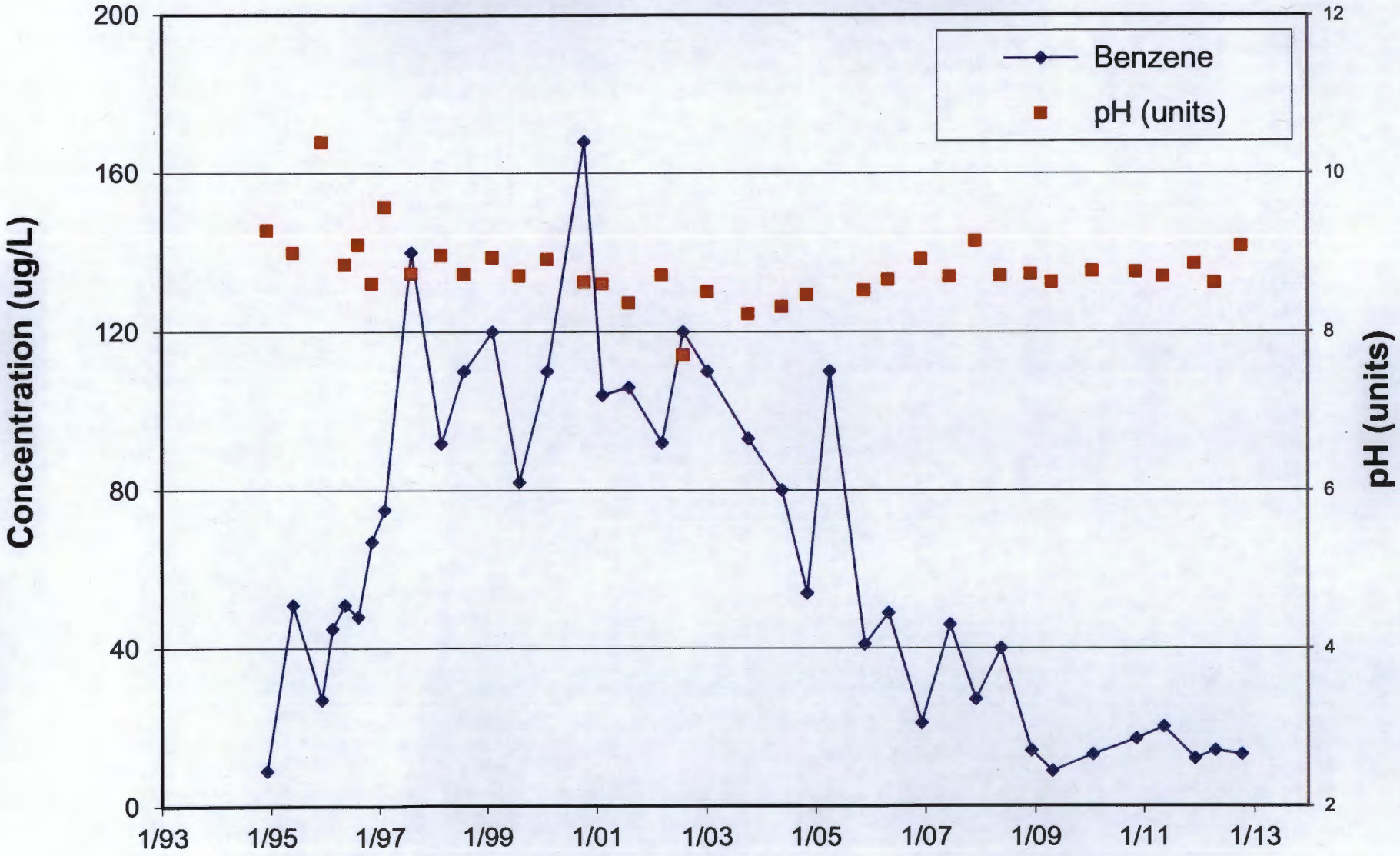
Bell Lake Remediation Site

Concentration History at Well MW-2



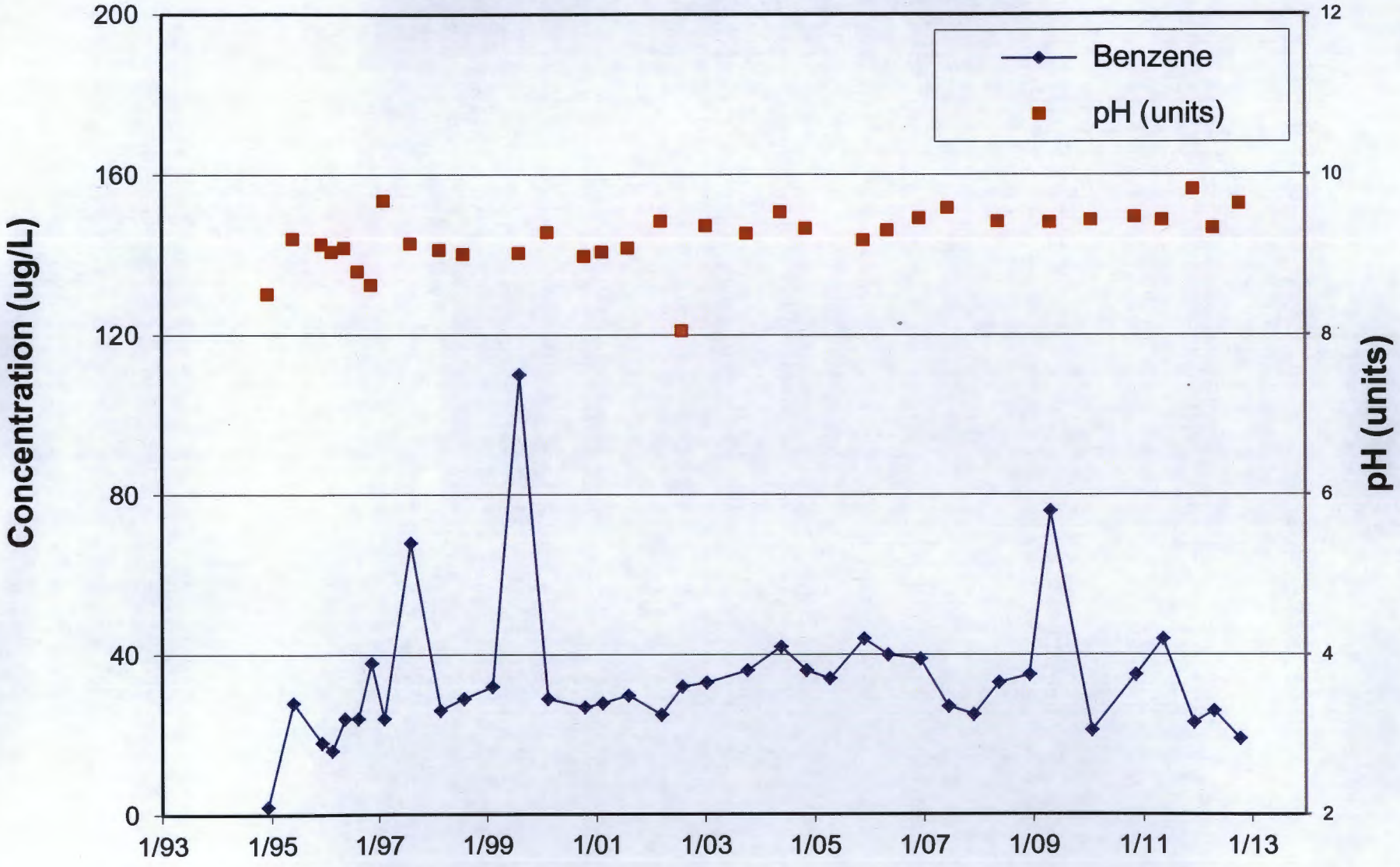
Bell Lake Remediation Site

Concentration History at Well MW-5



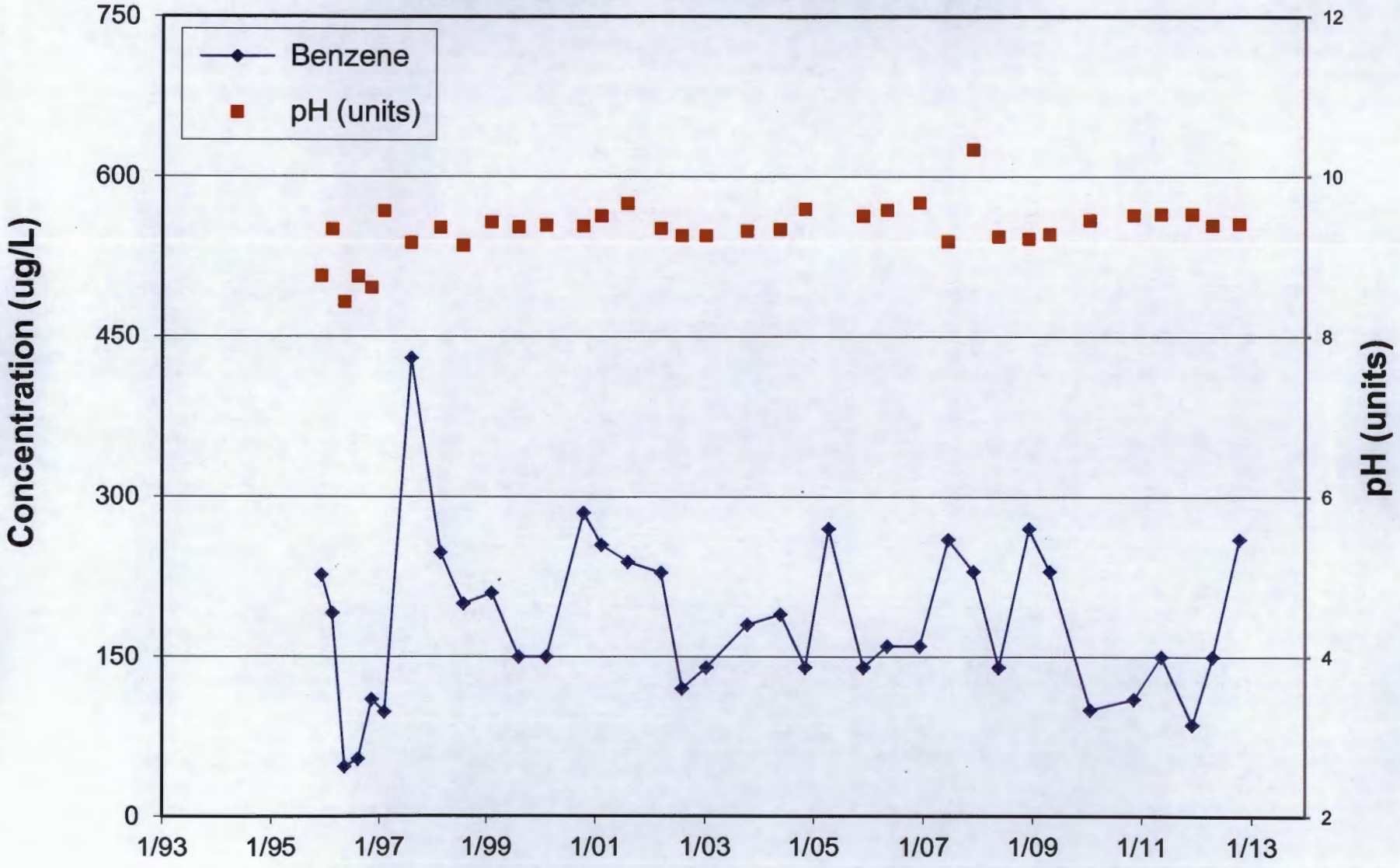
Bell Lake Remediation Site

Concentration History at Well MW-6



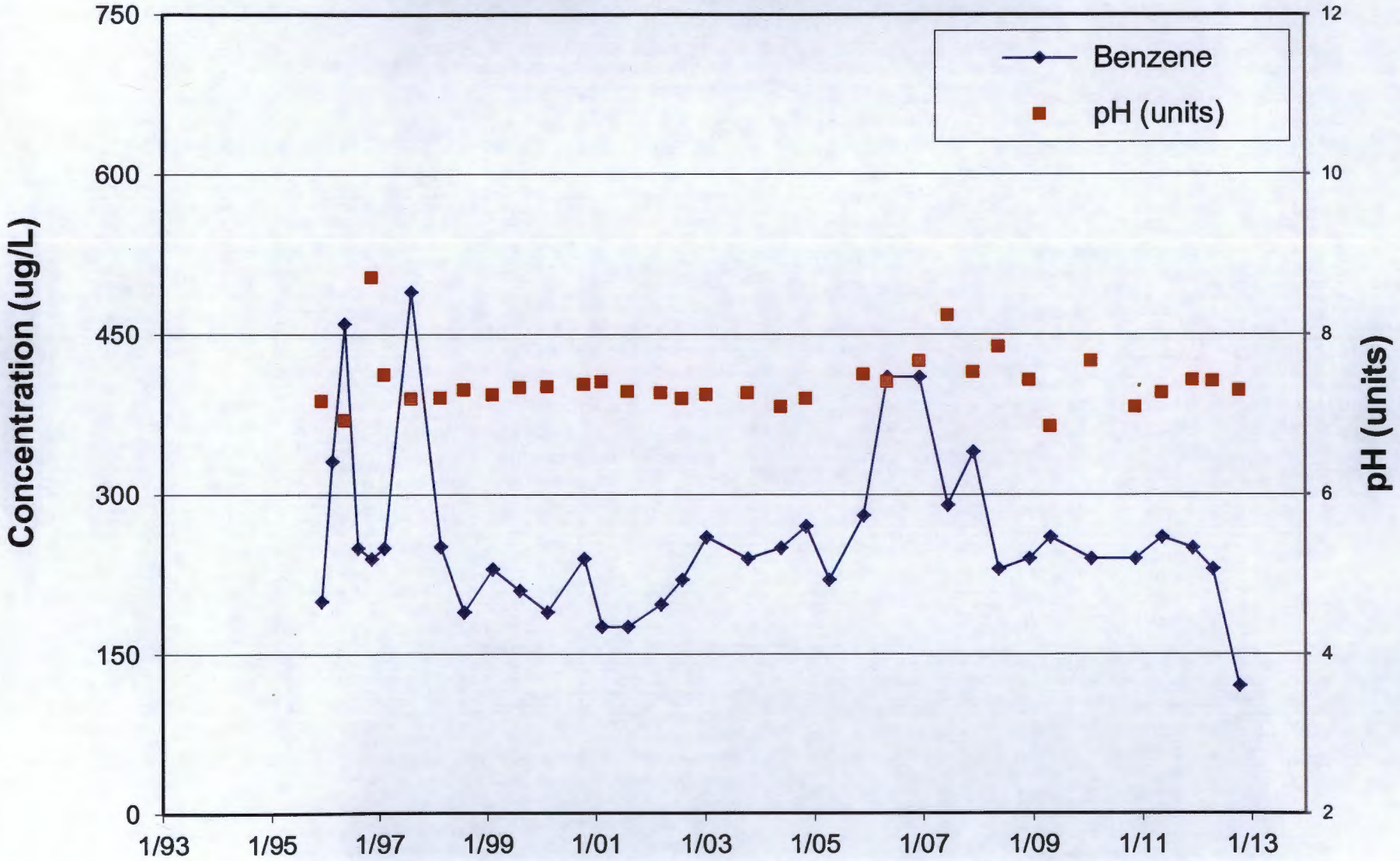
Bell Lake Remediation Site

Concentration History at Well MW-8



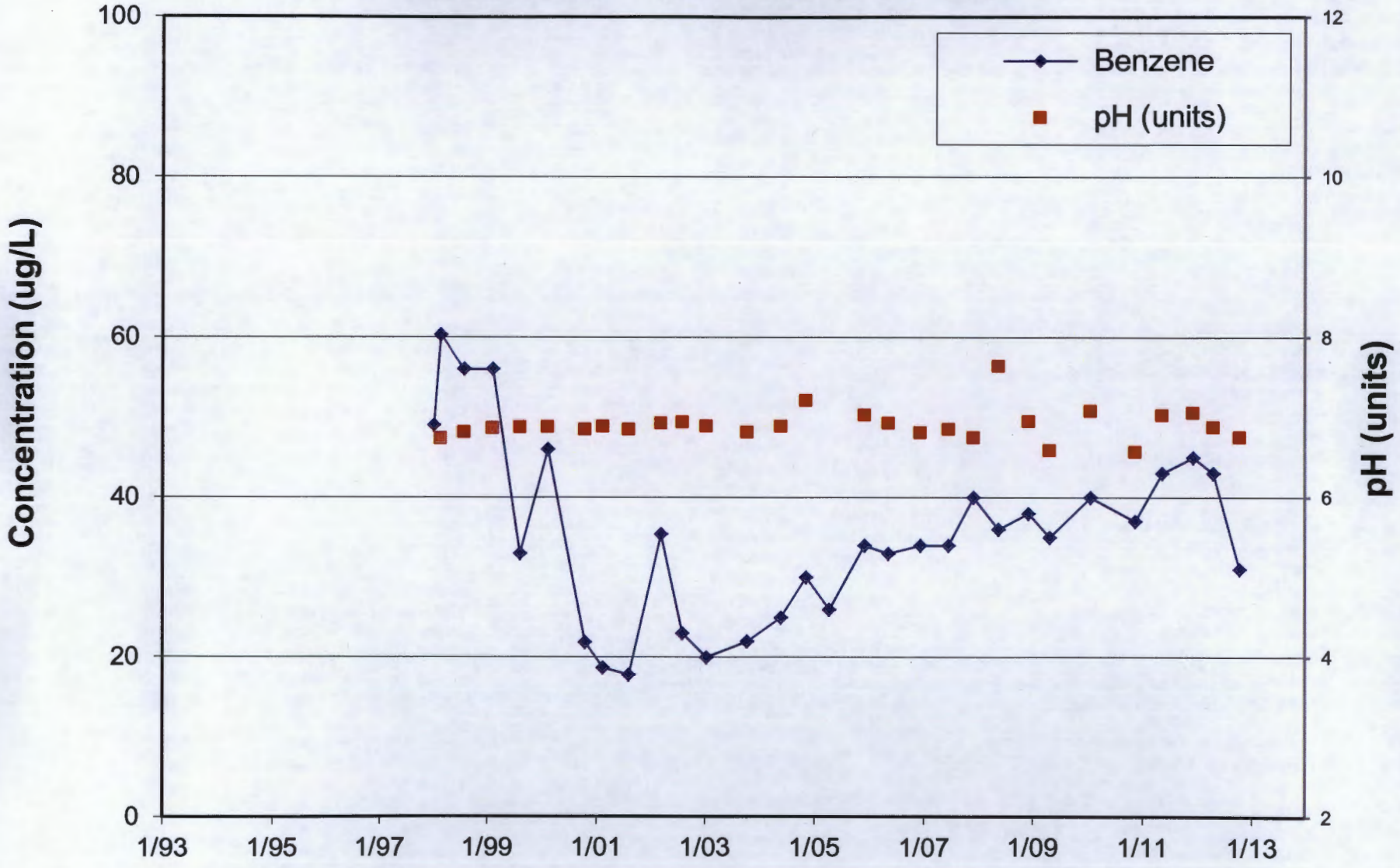
Bell Lake Remediation Site

Concentration History at Well MW-9



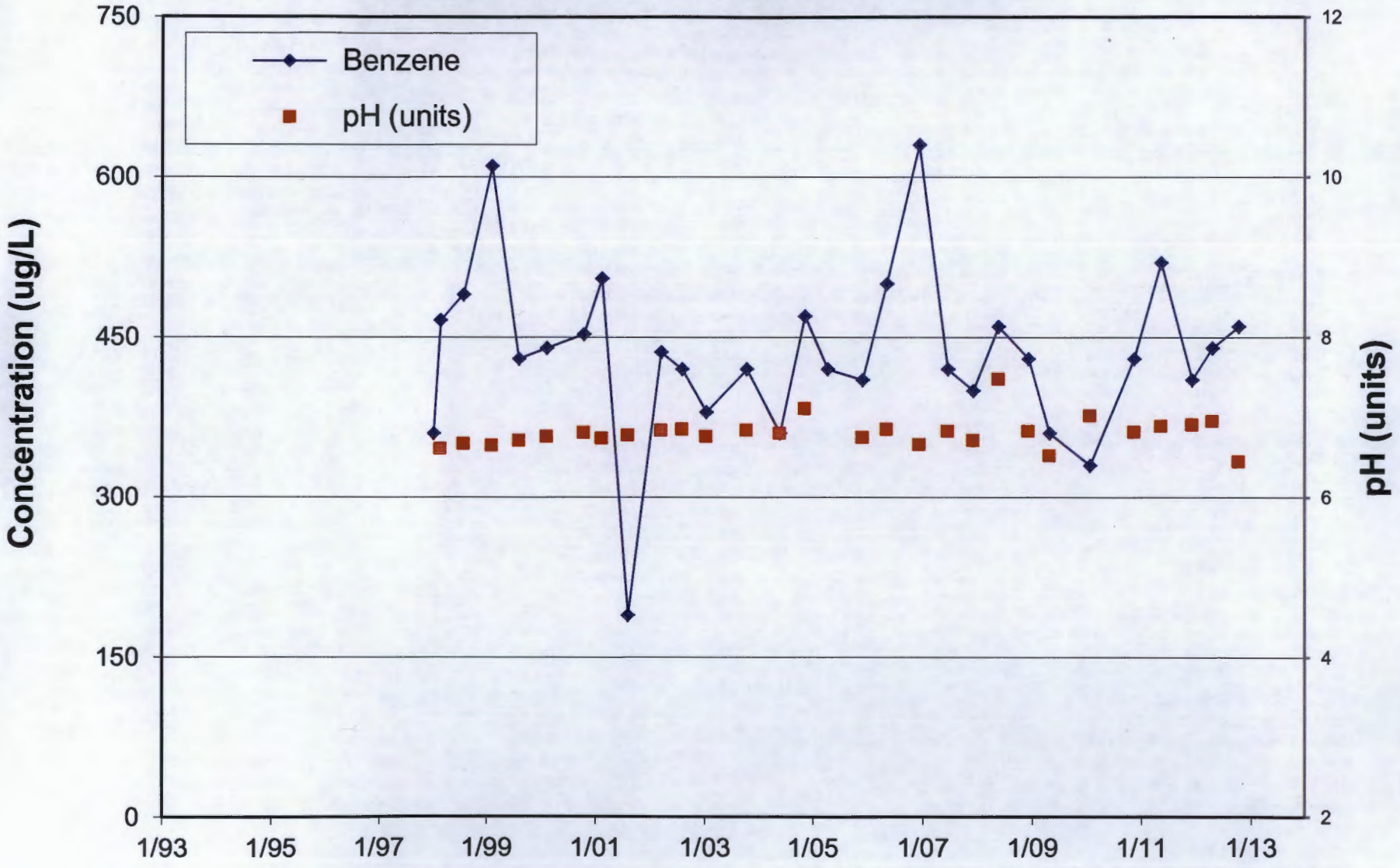
Bell Lake Remediation Site

Concentration History at Well MW-10



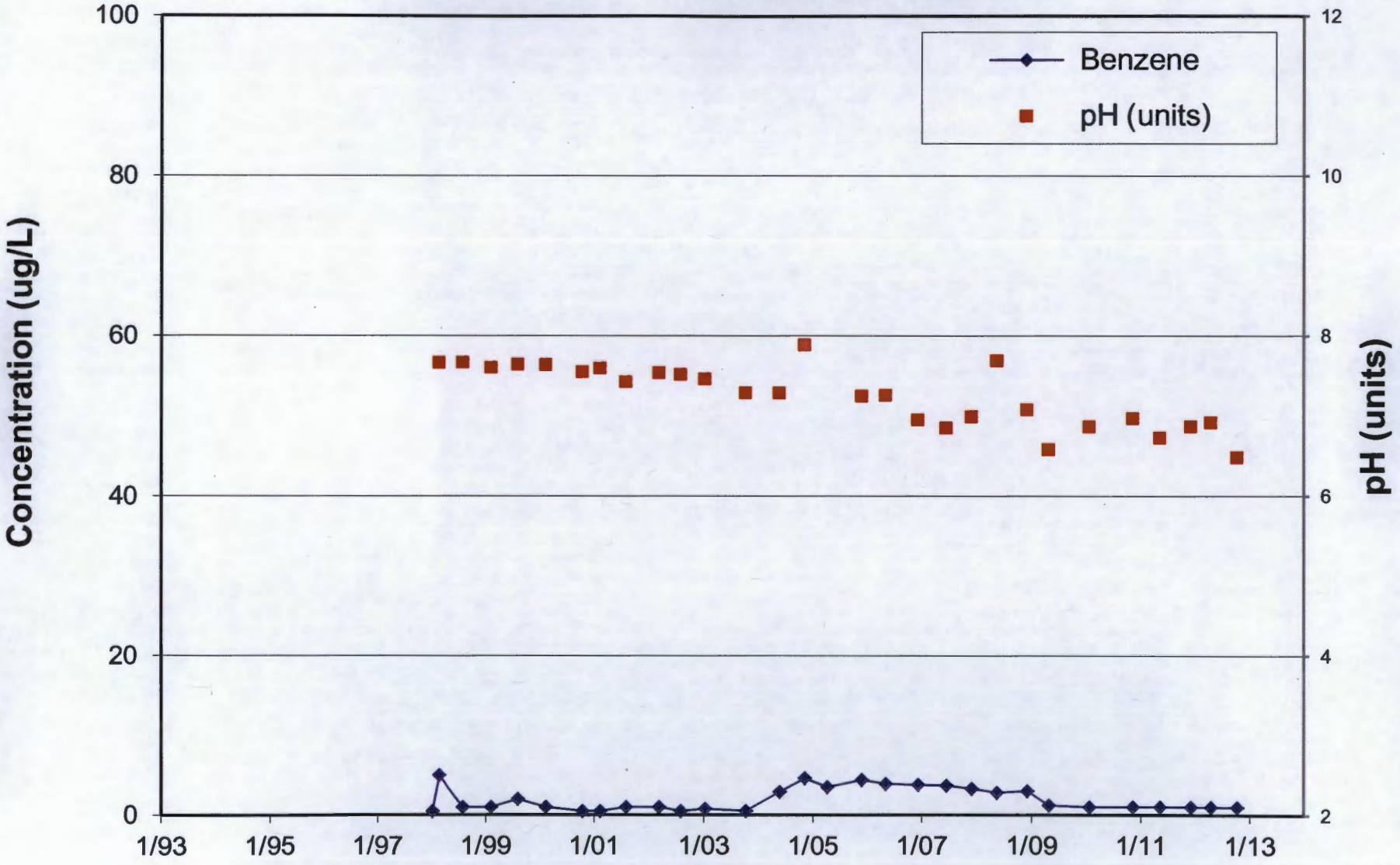
Bell Lake Remediation Site

Concentration History at Well MW-11



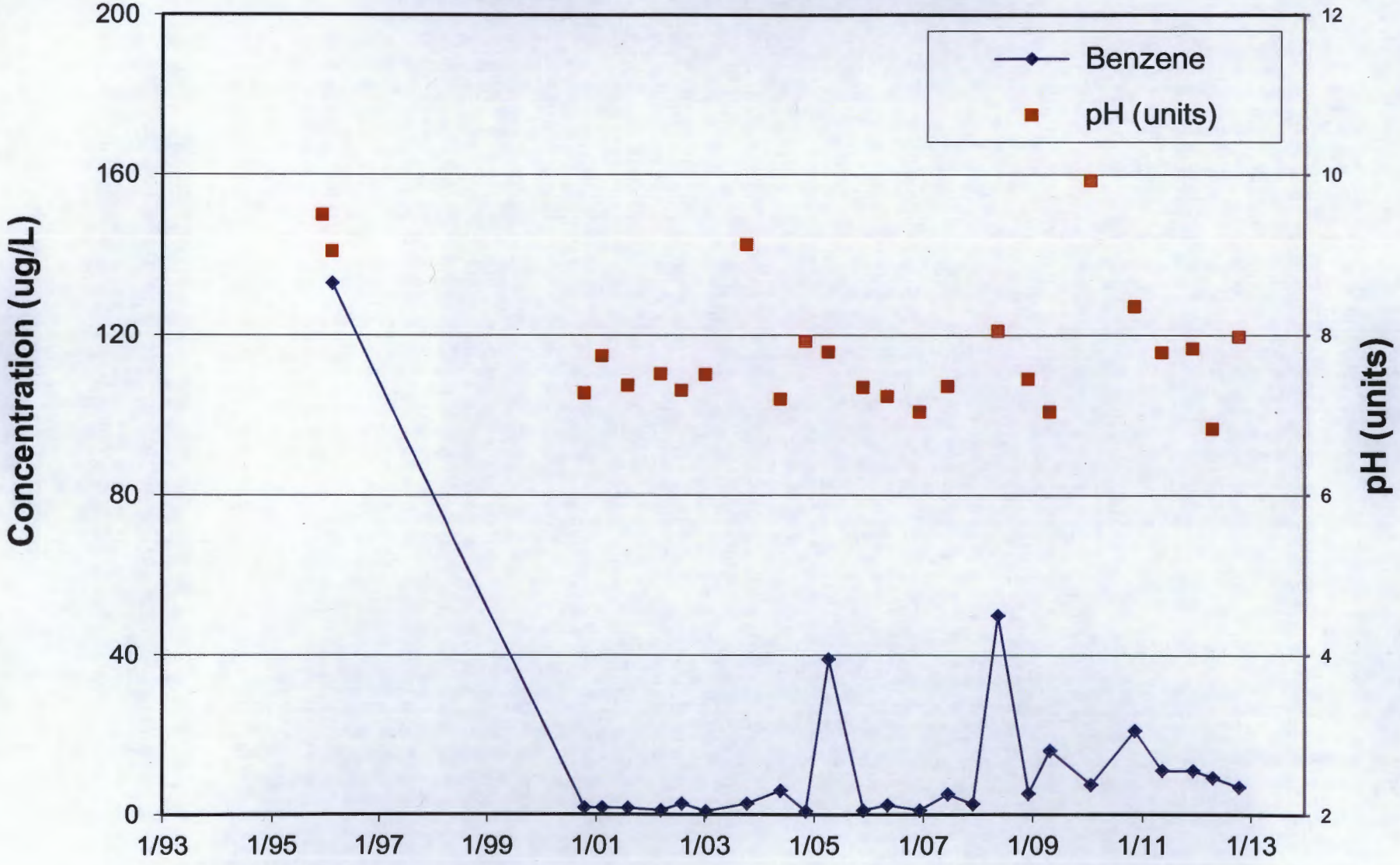
Bell Lake Remediation Site

Concentration History at Well MW-12



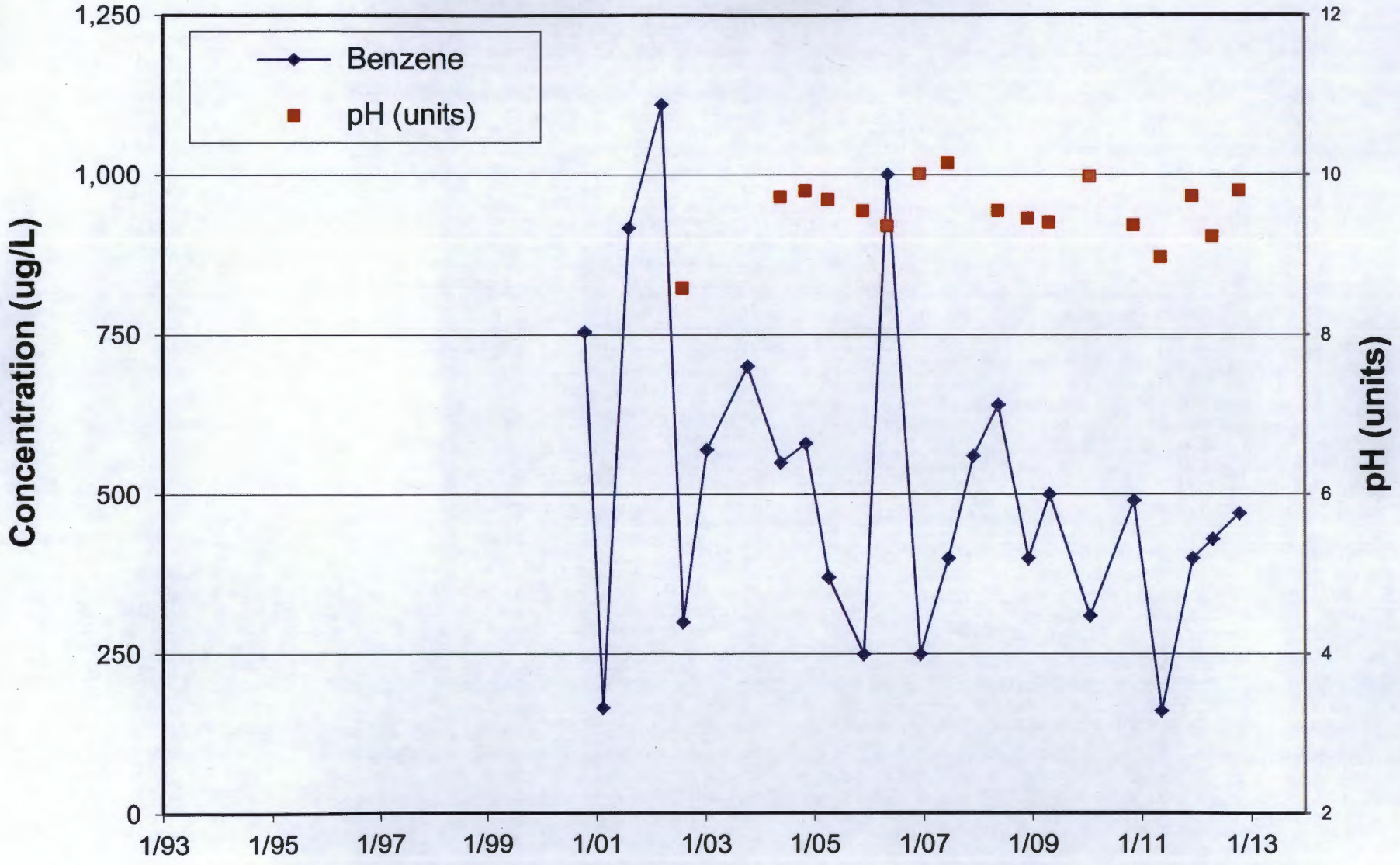
Bell Lake Remediation Site

Concentration History at Well SVE-2

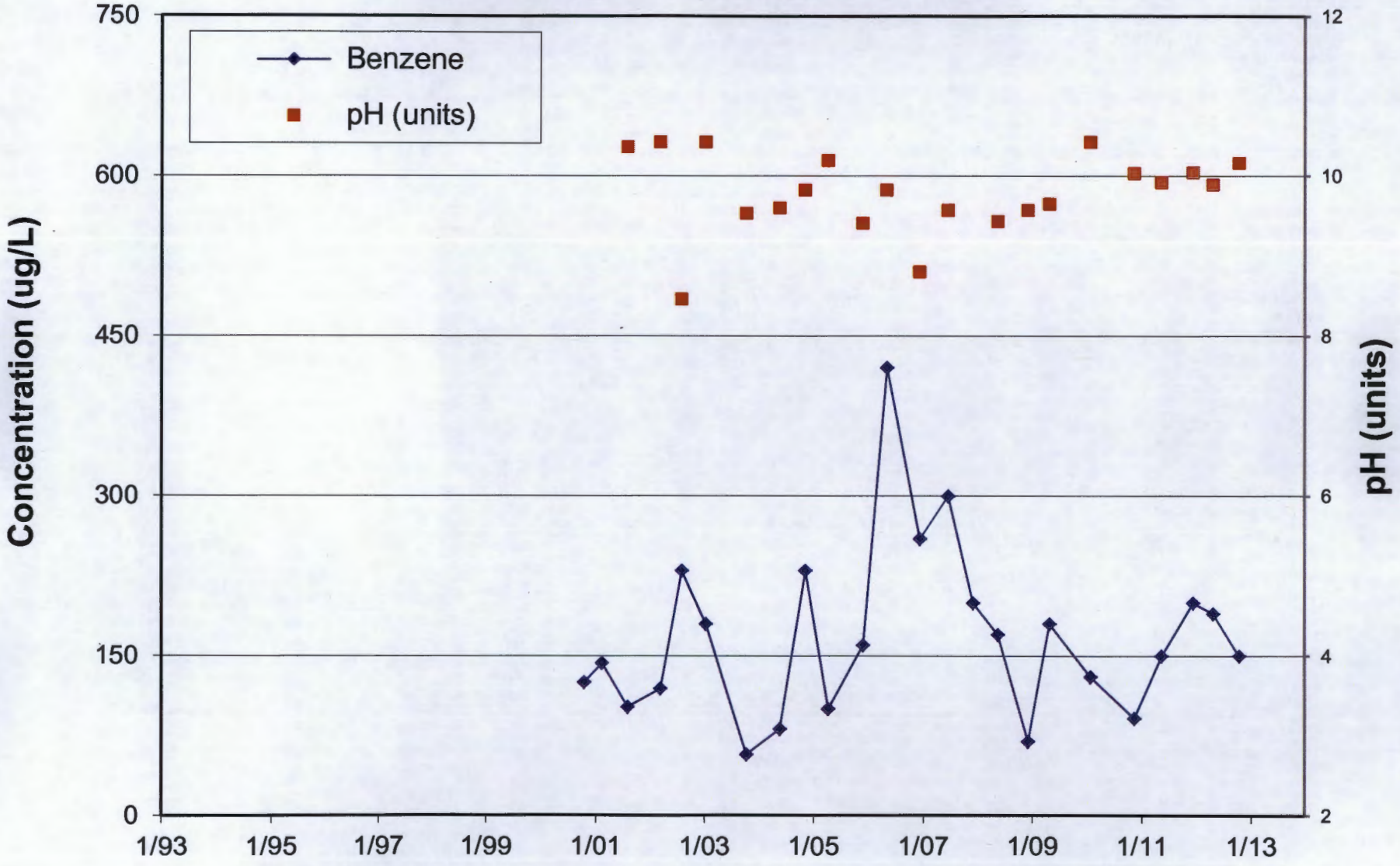


Bell Lake Remediation Site

Concentration History at Well SVE-5

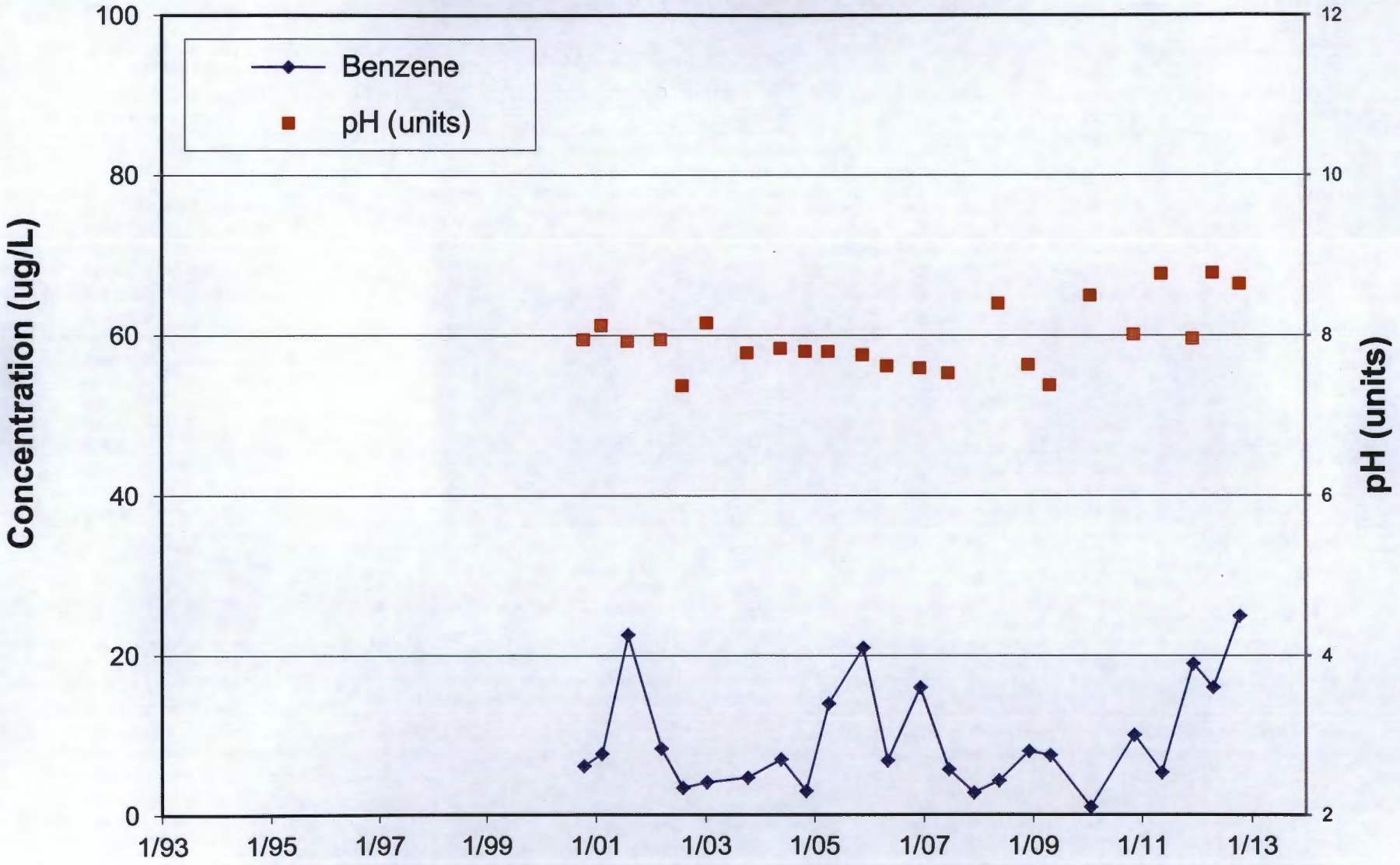


Bell Lake Remediation Site
Concentration History at Well SVE-6

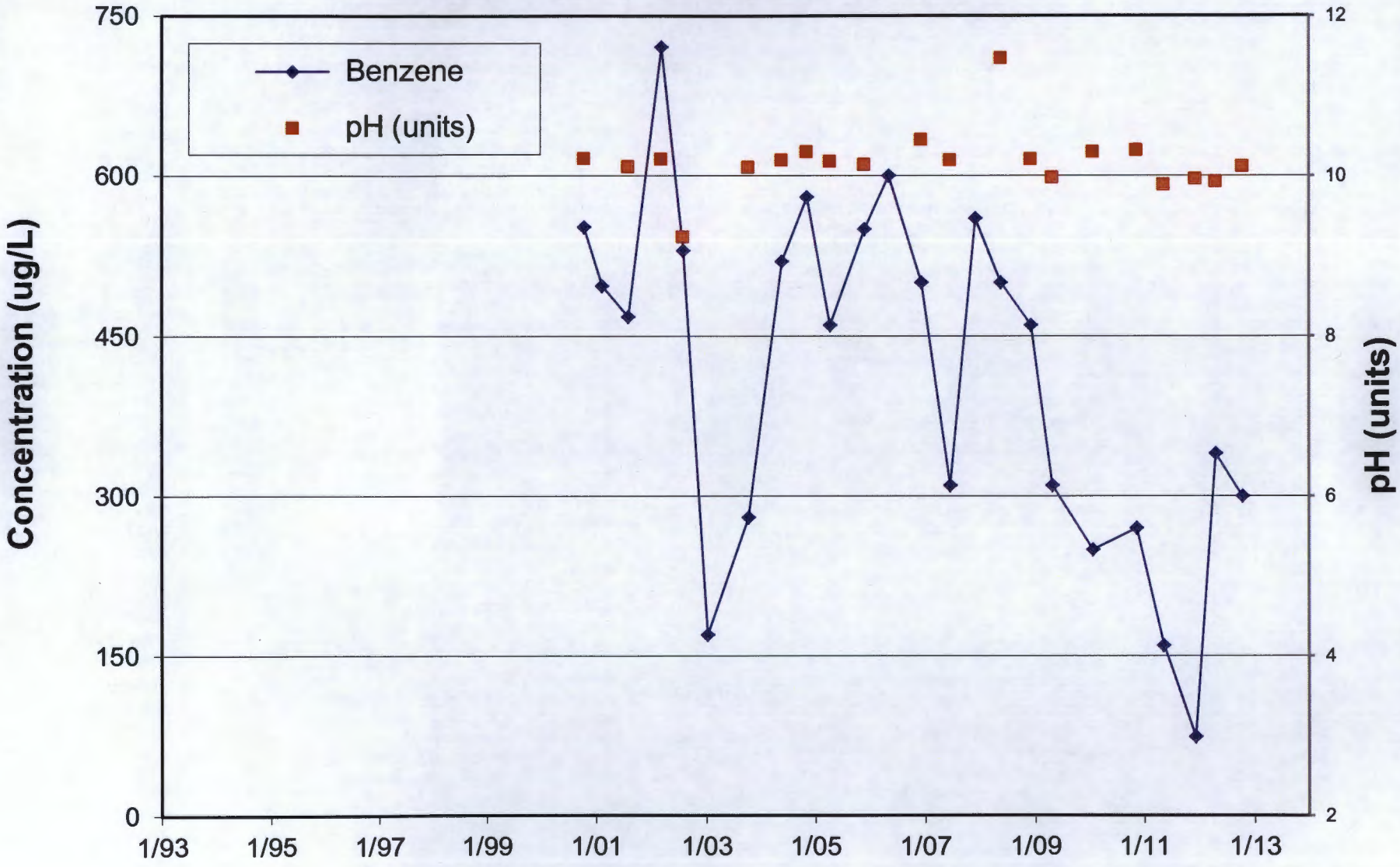


Bell Lake Remediation Site

Concentration History at Well SVE-7



Bell Lake Remediation Site
Concentration History at Well SVE-11

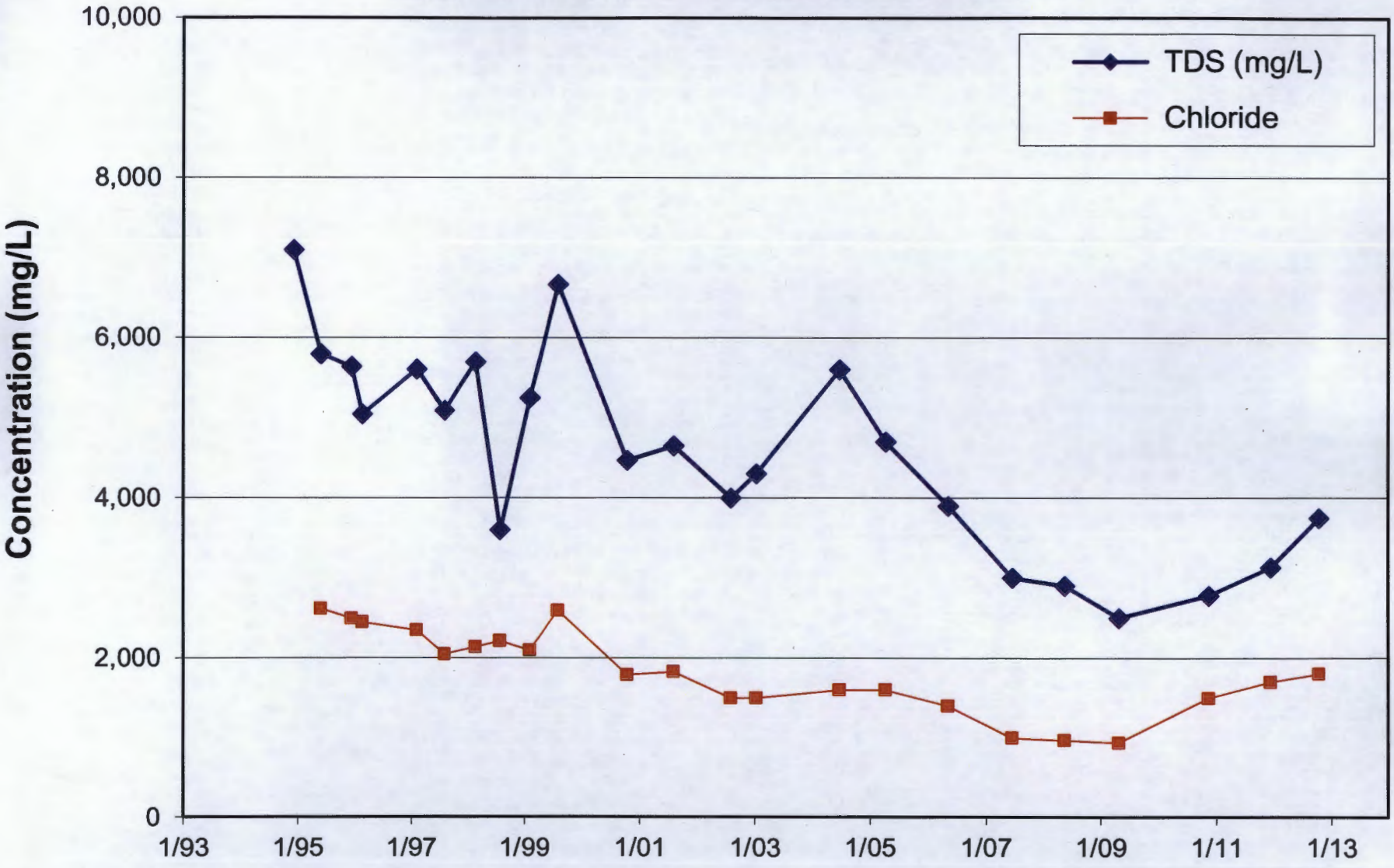


APPENDIX D

Concentration History Plots
TDS & Chlorides

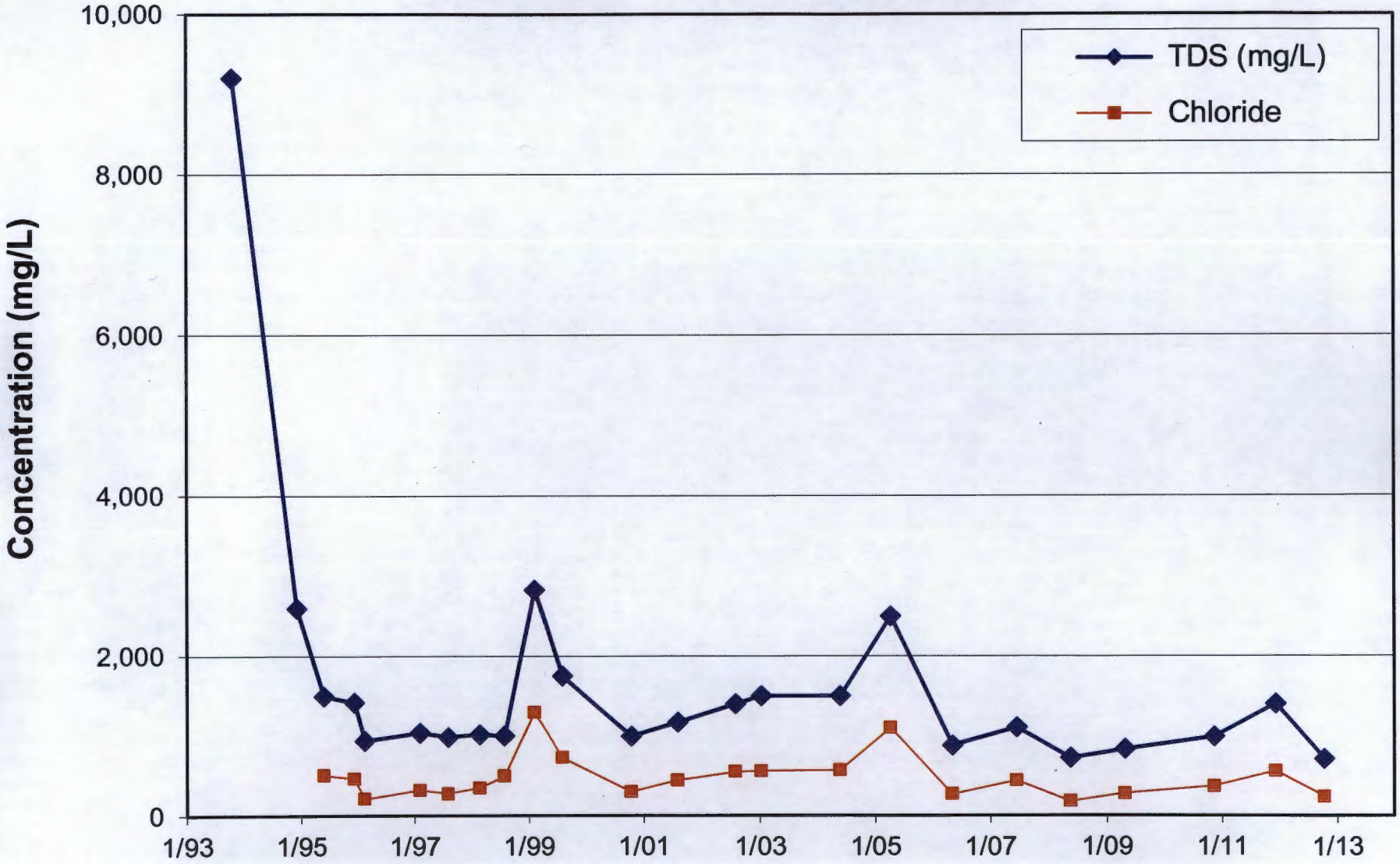
Bell Lake Remediation Site

Concentration History at Well MW-1



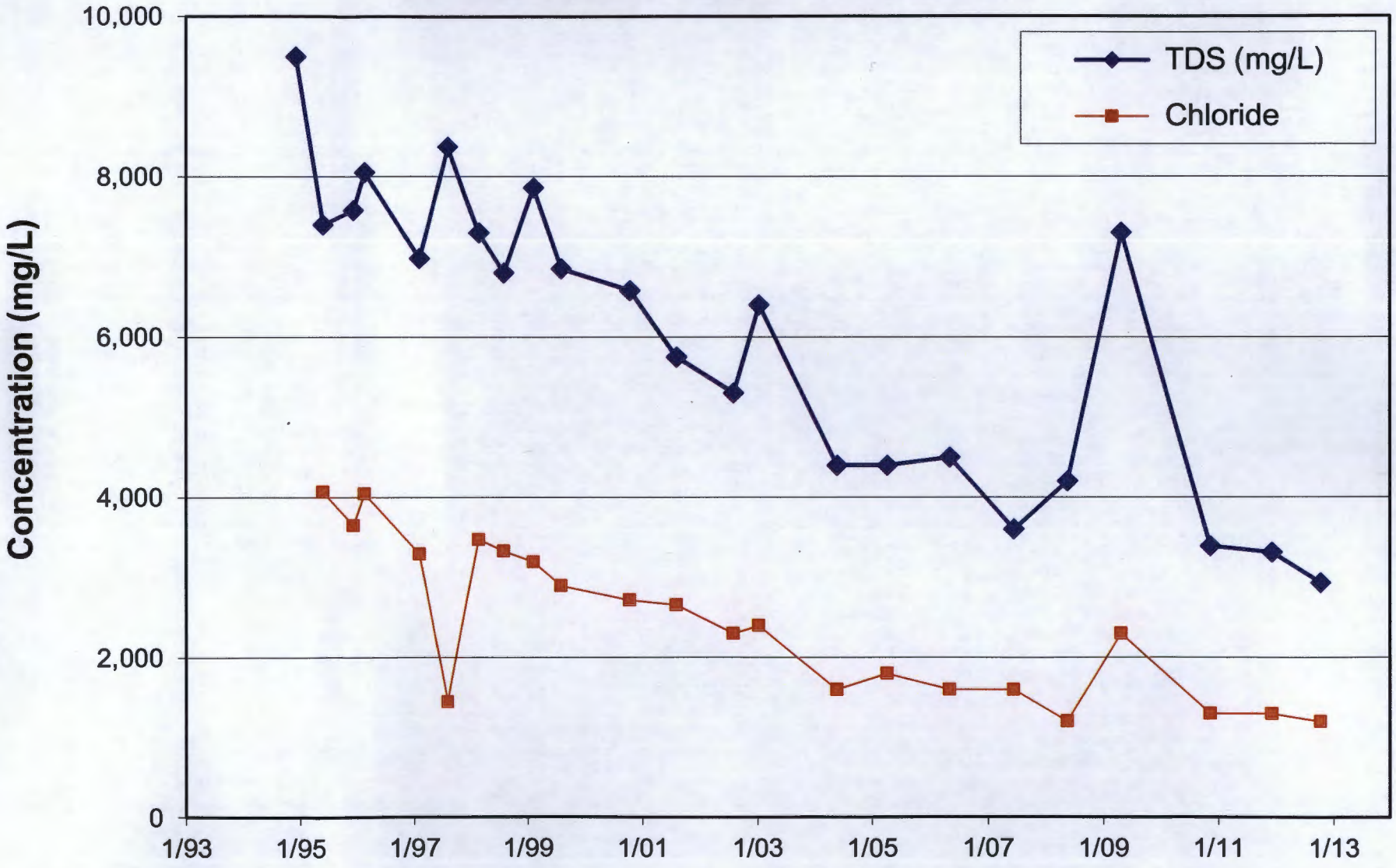
Bell Lake Remediation Site

Concentration History at Well MW-2

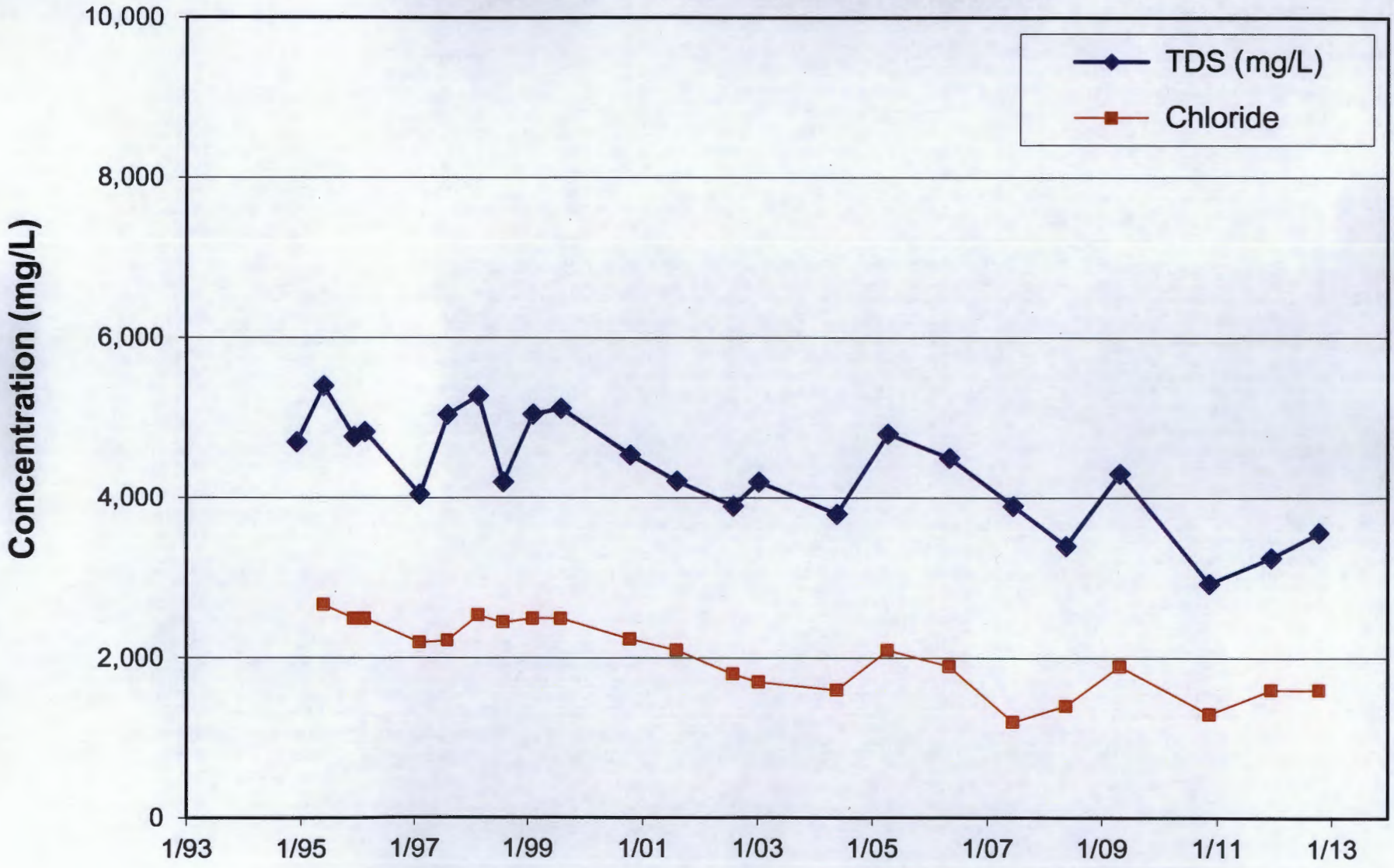


Bell Lake Remediation Site

Concentration History at Well MW-5

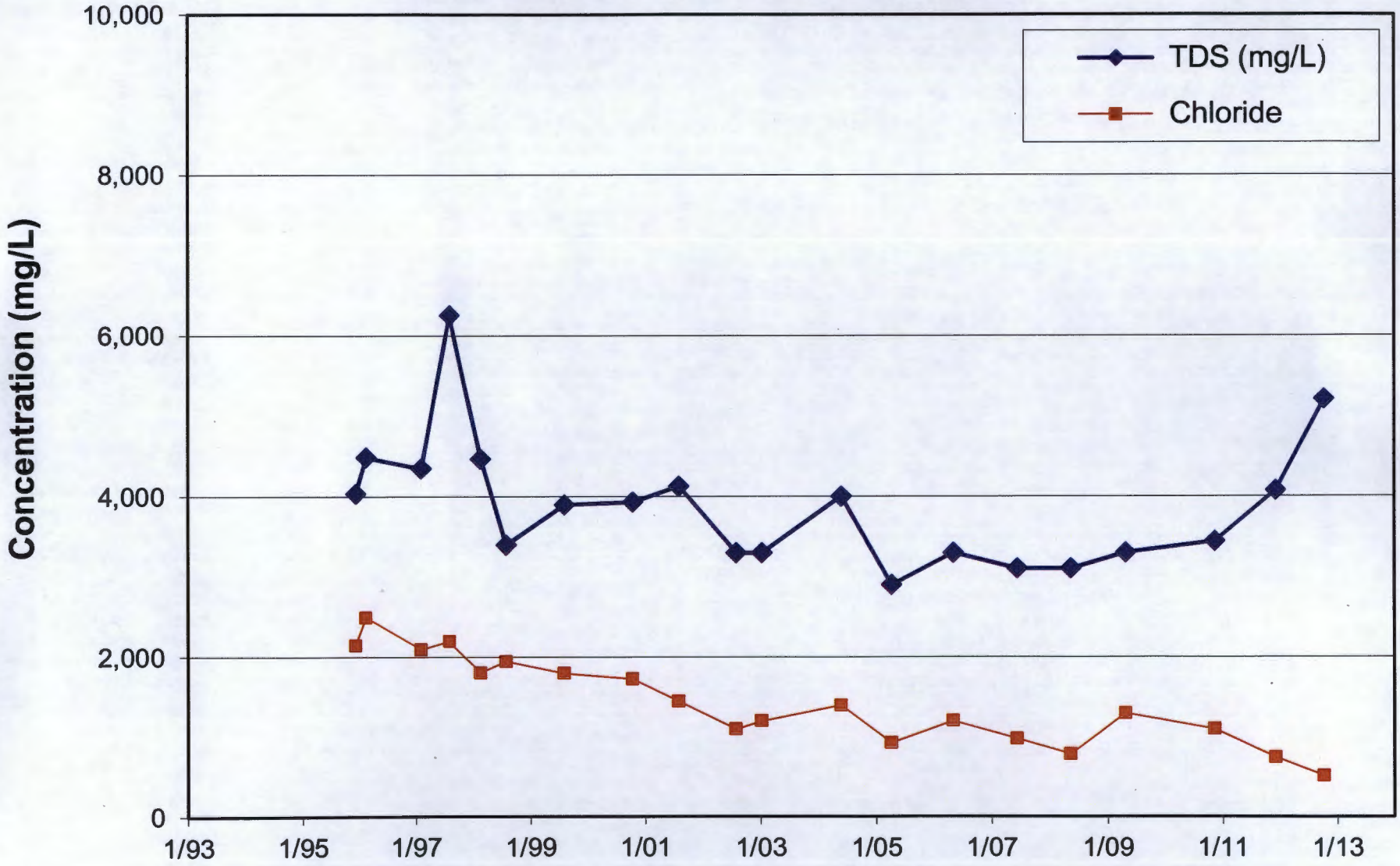


Bell Lake Remediation Site
Concentration History at Well MW-6



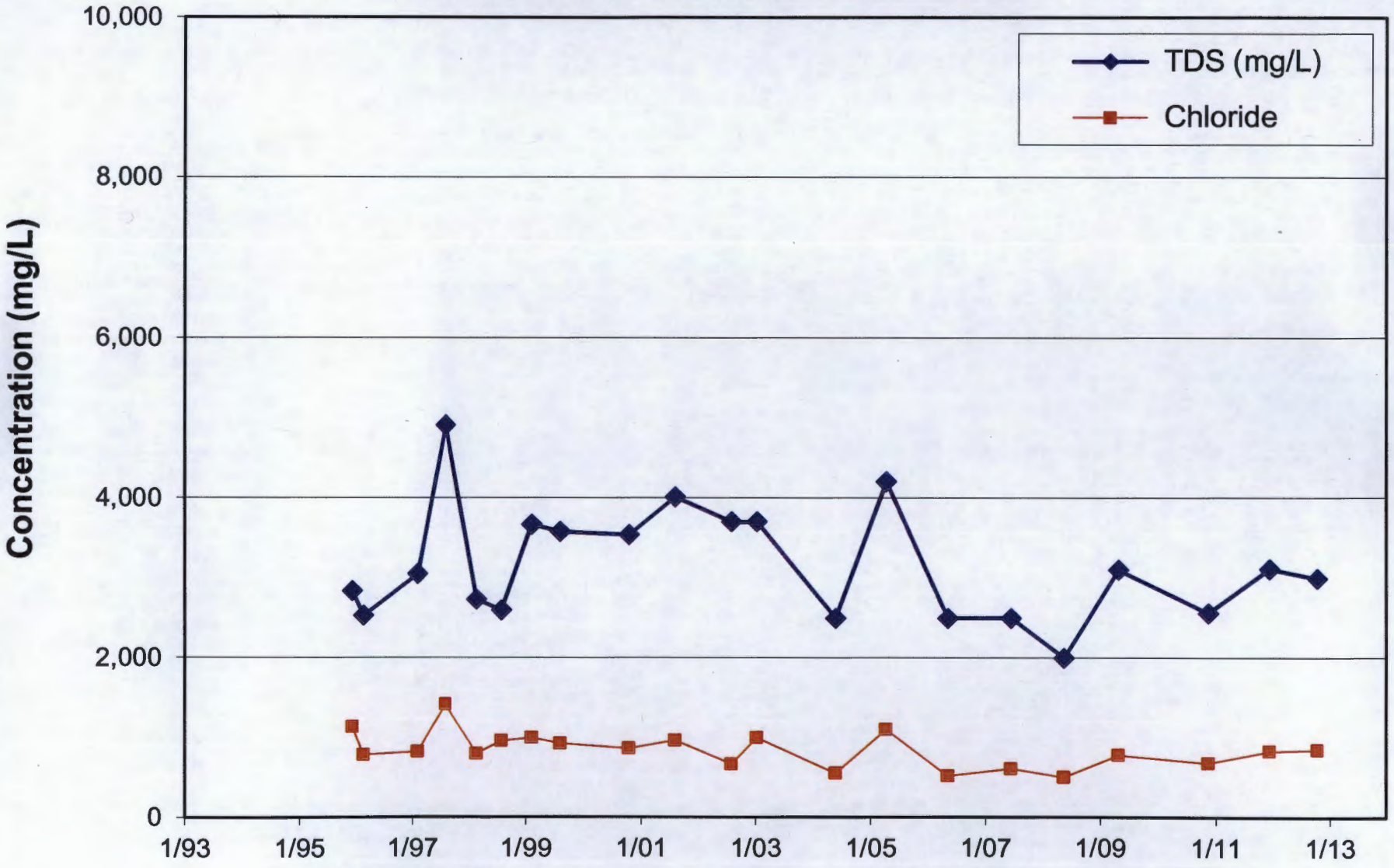
Bell Lake Remediation Site

Concentration History at Well MW-7



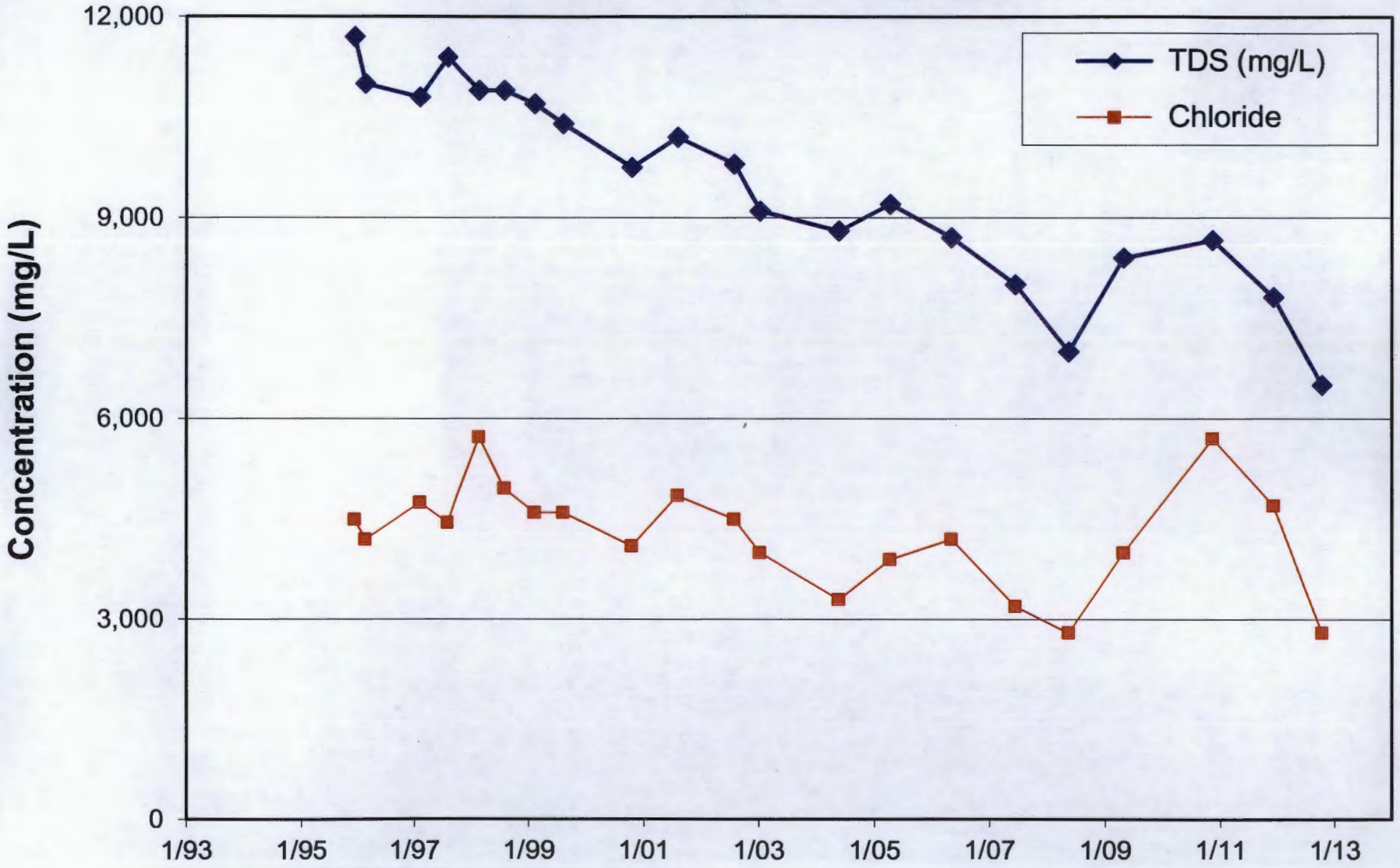
Bell Lake Remediation Site

Concentration History at Well MW-8



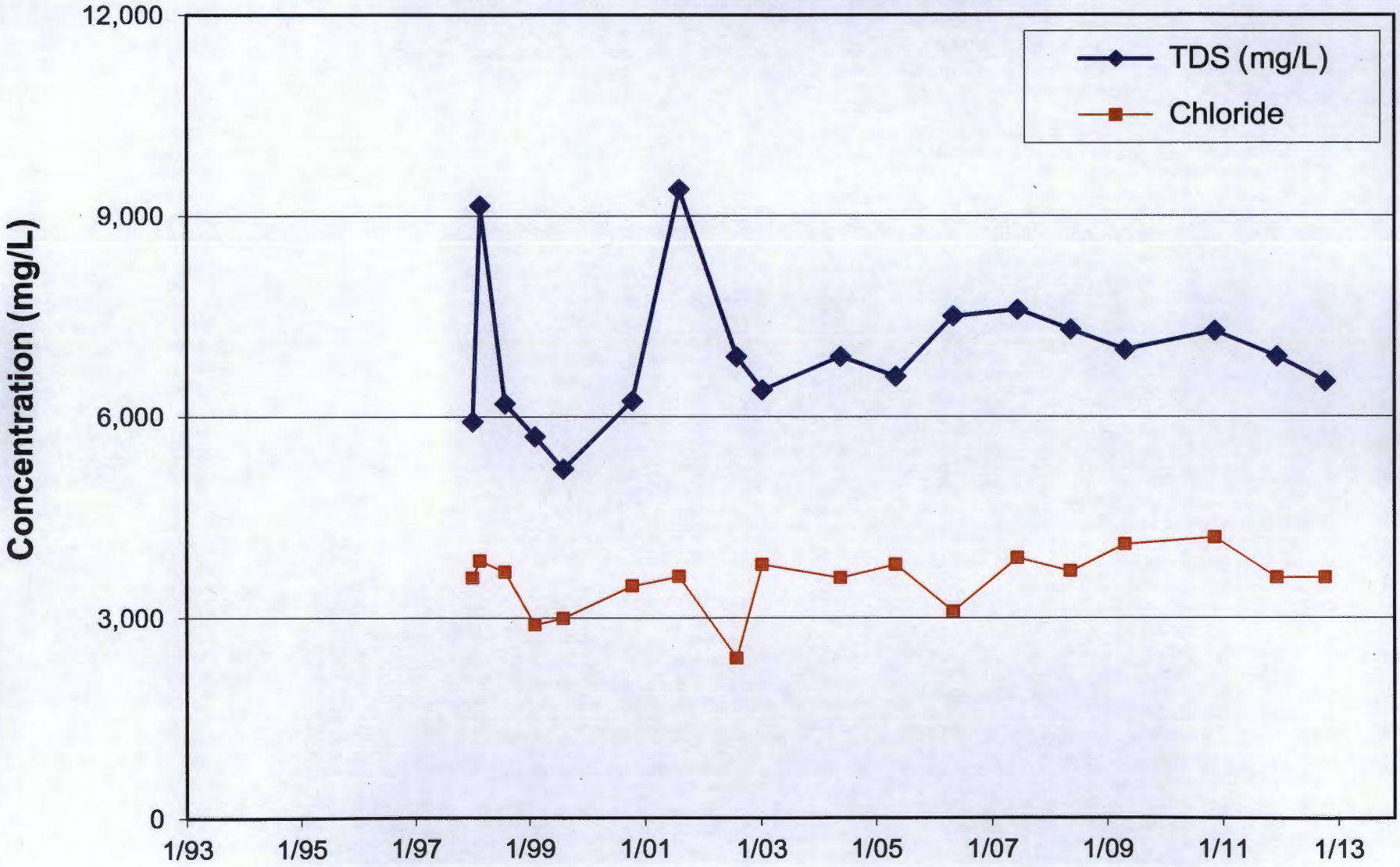
Bell Lake Remediation Site

Concentration History at Well MW-9



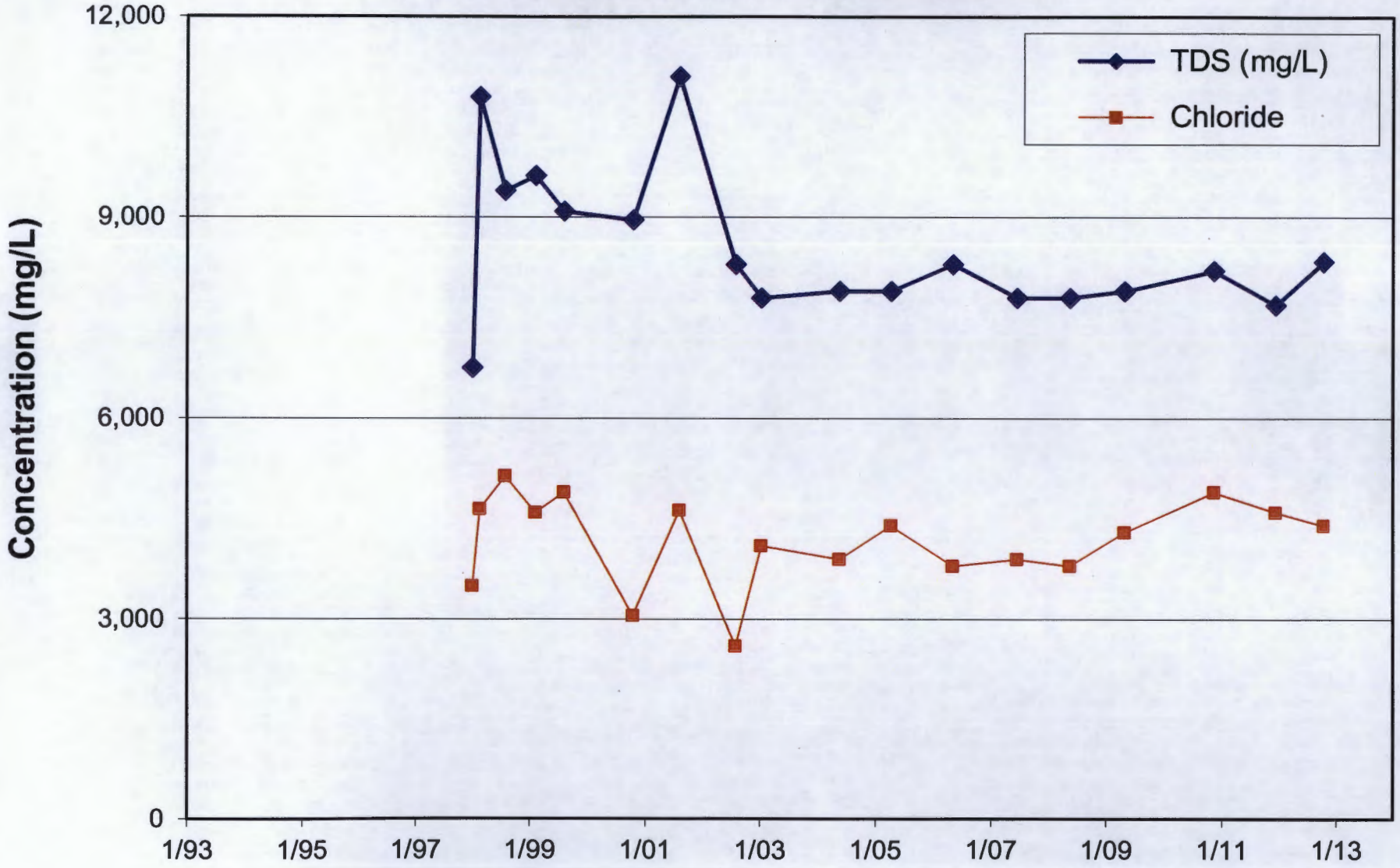
Bell Lake Remediation Site

Concentration History at Well MW-10



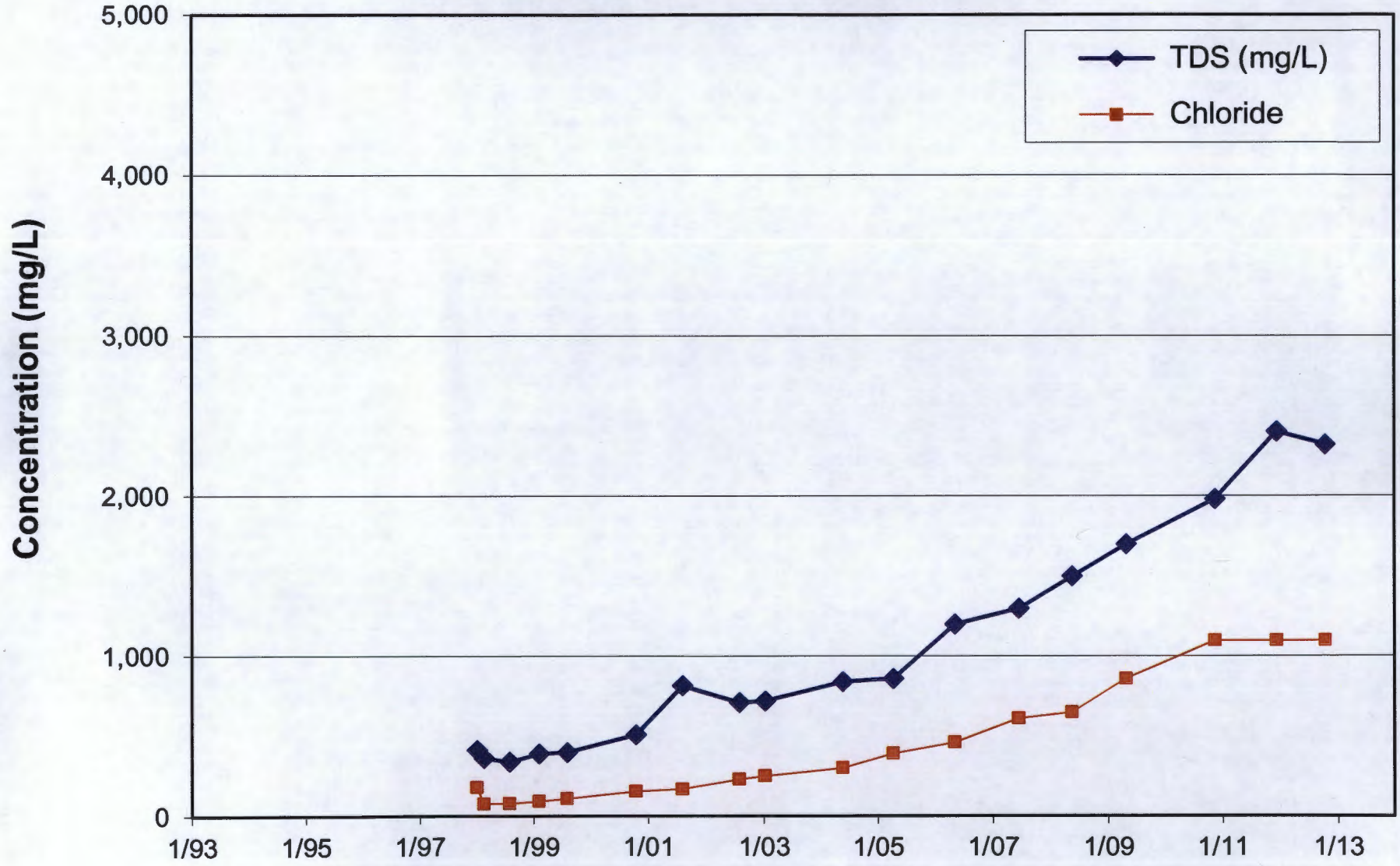
Bell Lake Remediation Site

Concentration History at Well MW-11



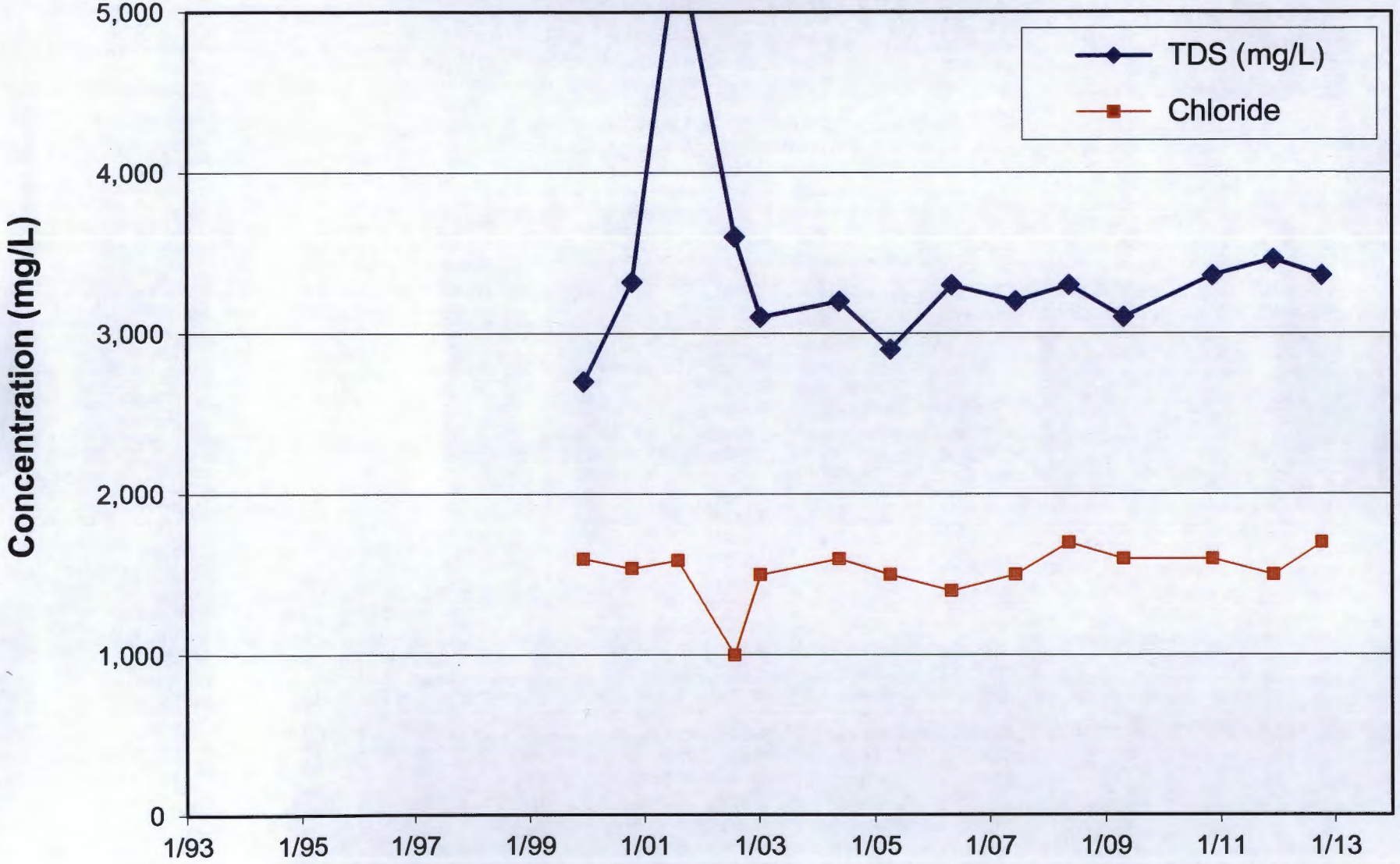
Bell Lake Remediation Site

Concentration History at Well MW-12



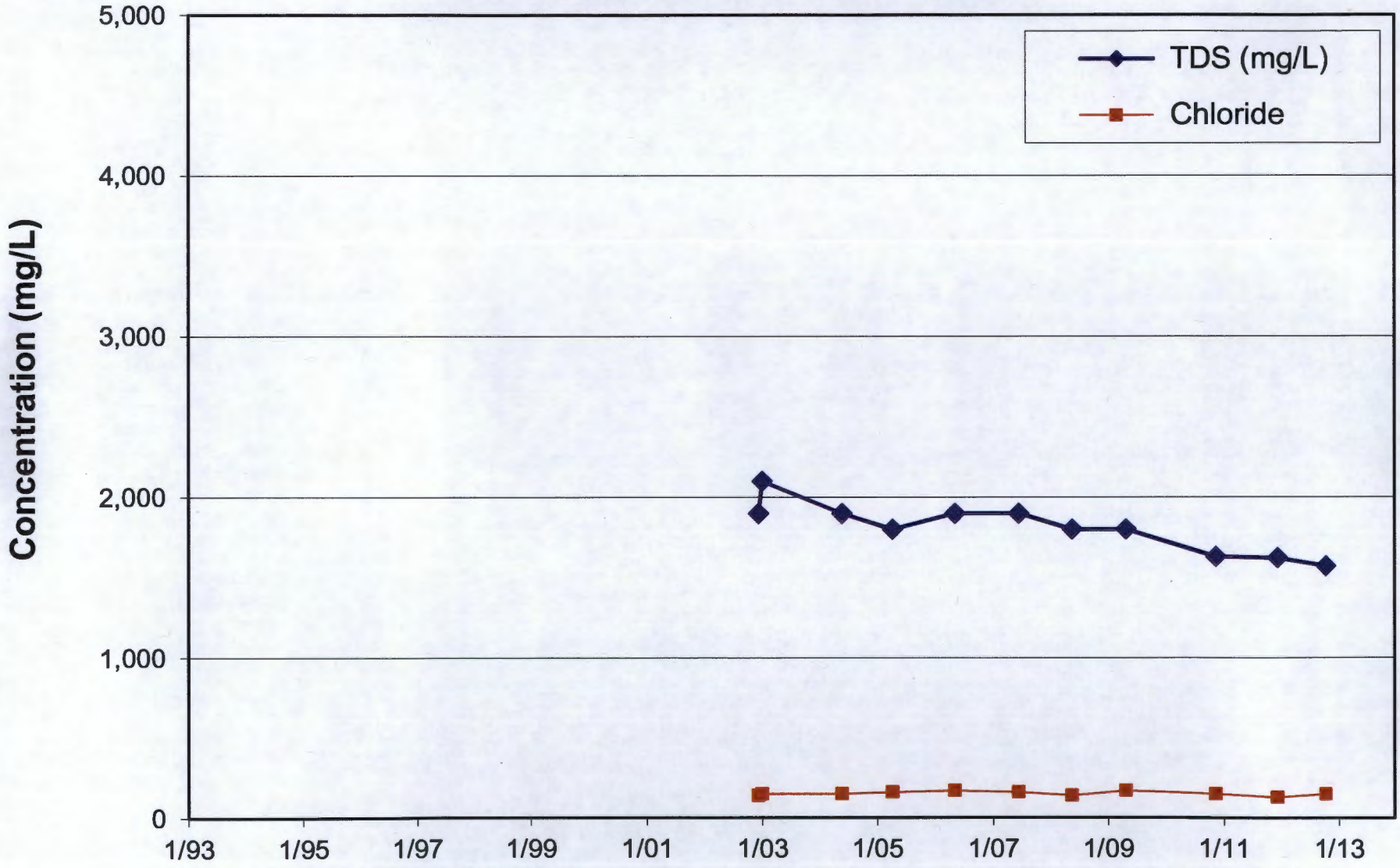
Bell Lake Remediation Site

Concentration History at Well MW-13



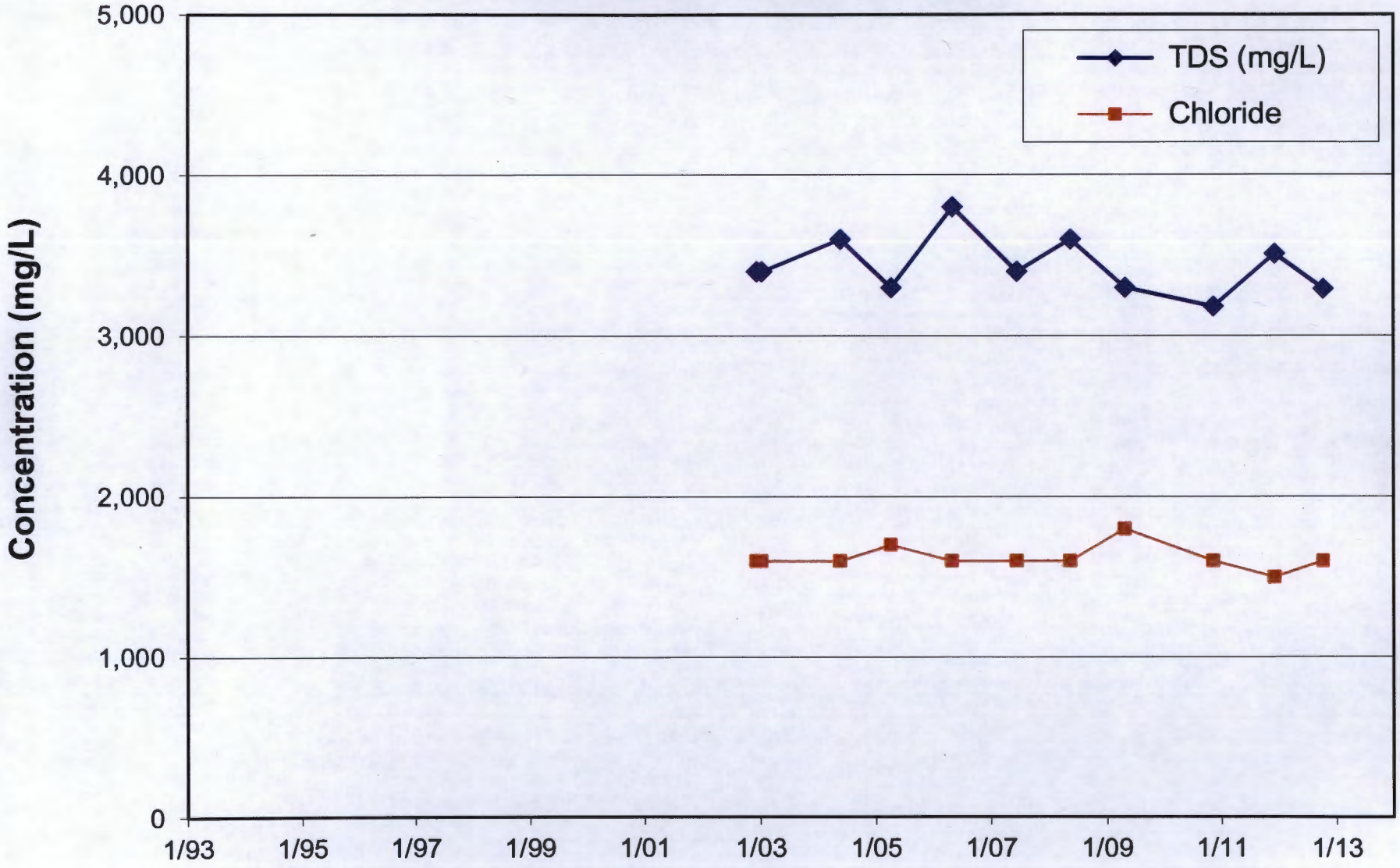
Bell Lake Remediation Site

Concentration History at Well MW-14



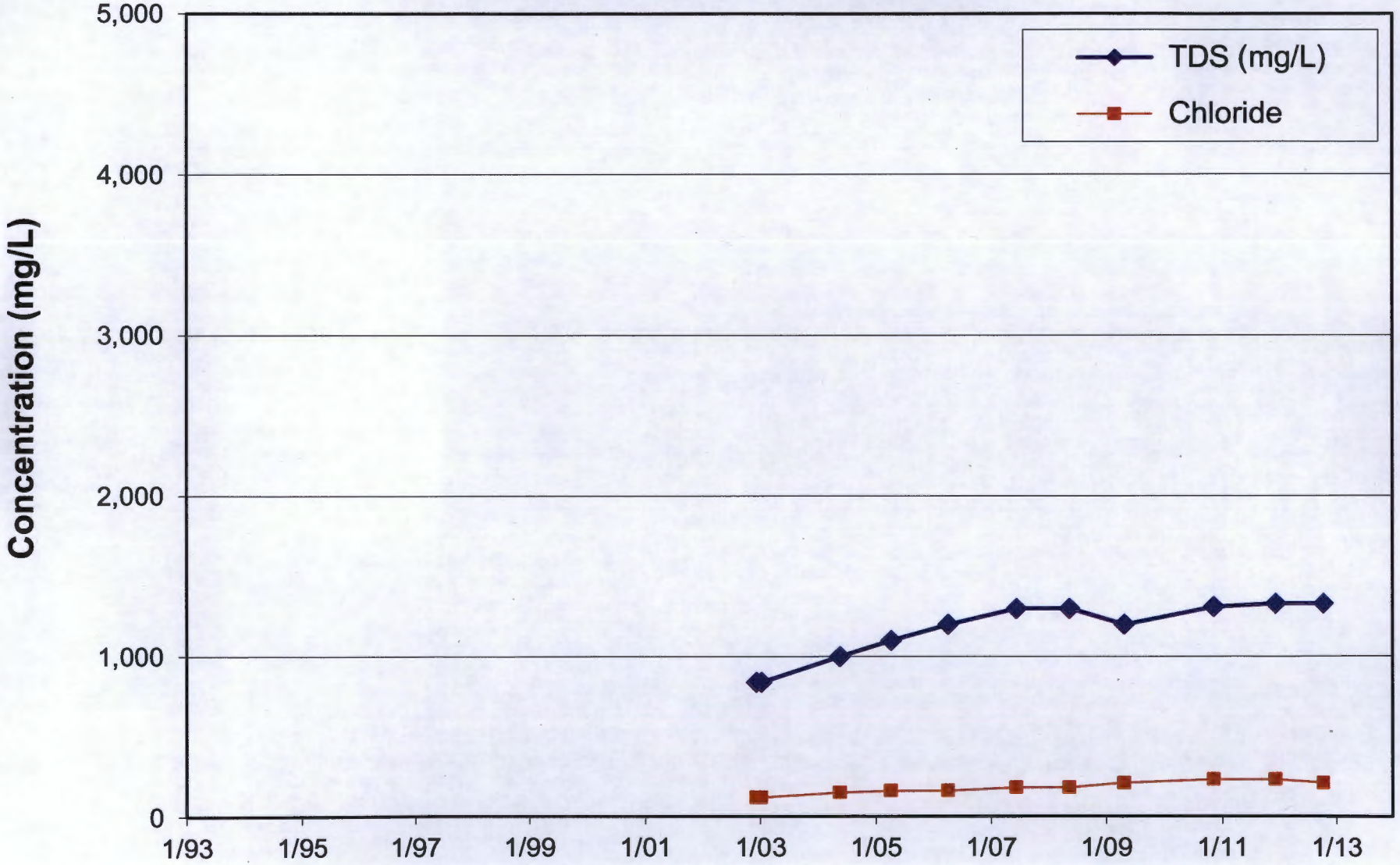
Bell Lake Remediation Site

Concentration History at Well MW-15



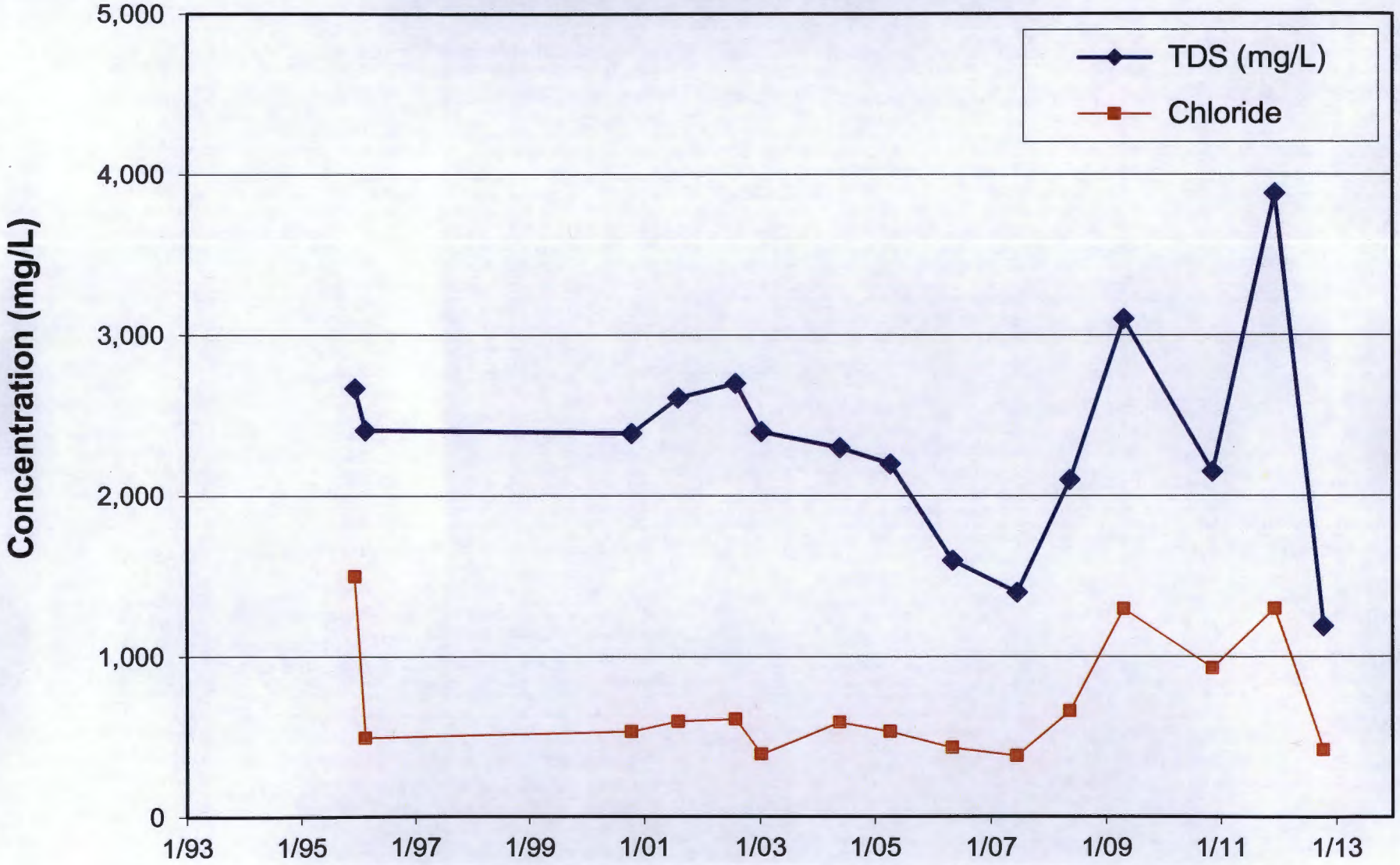
Bell Lake Remediation Site

Concentration History at Well MW-16



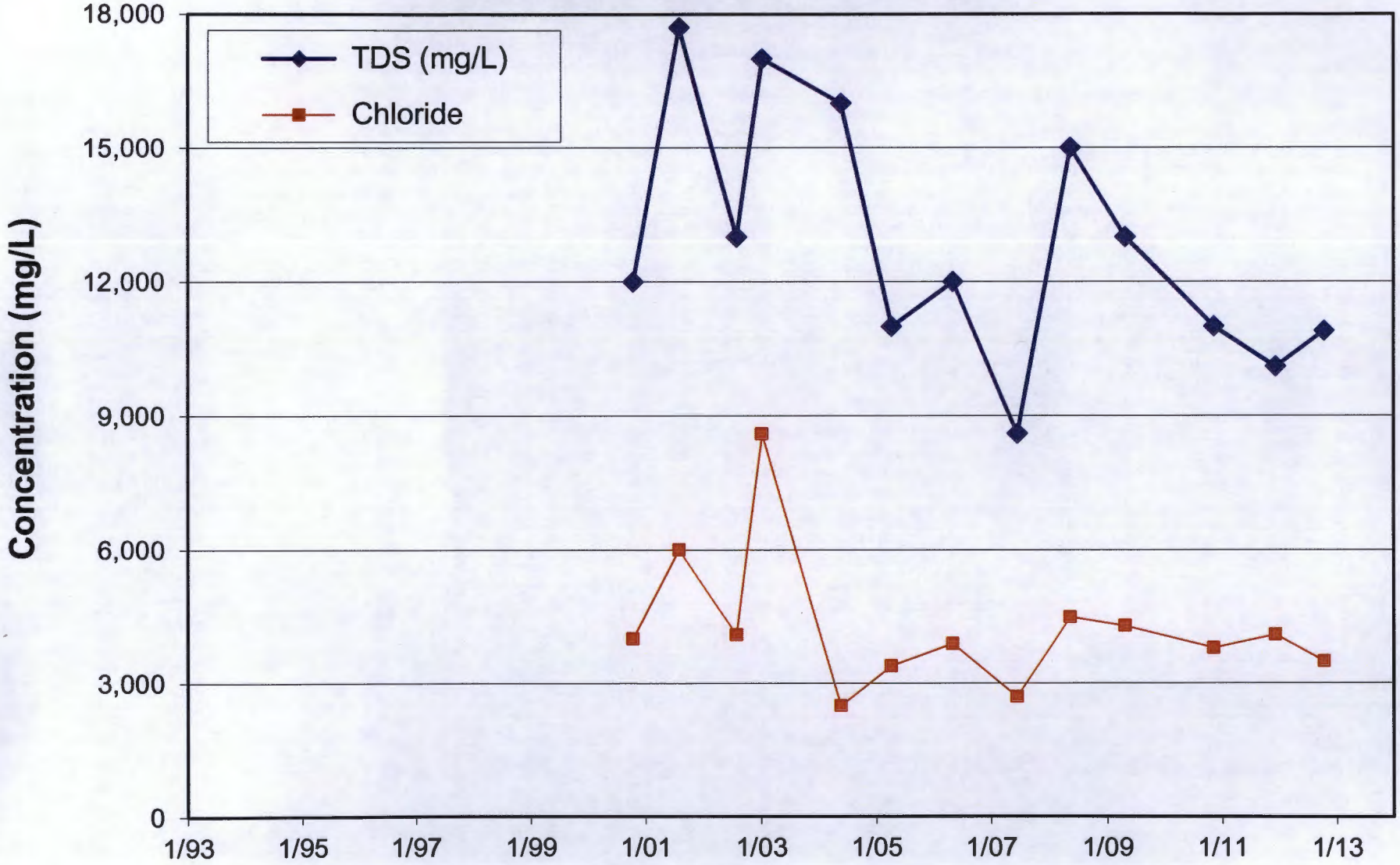
Bell Lake Remediation Site

Concentration History at Well SVE-2



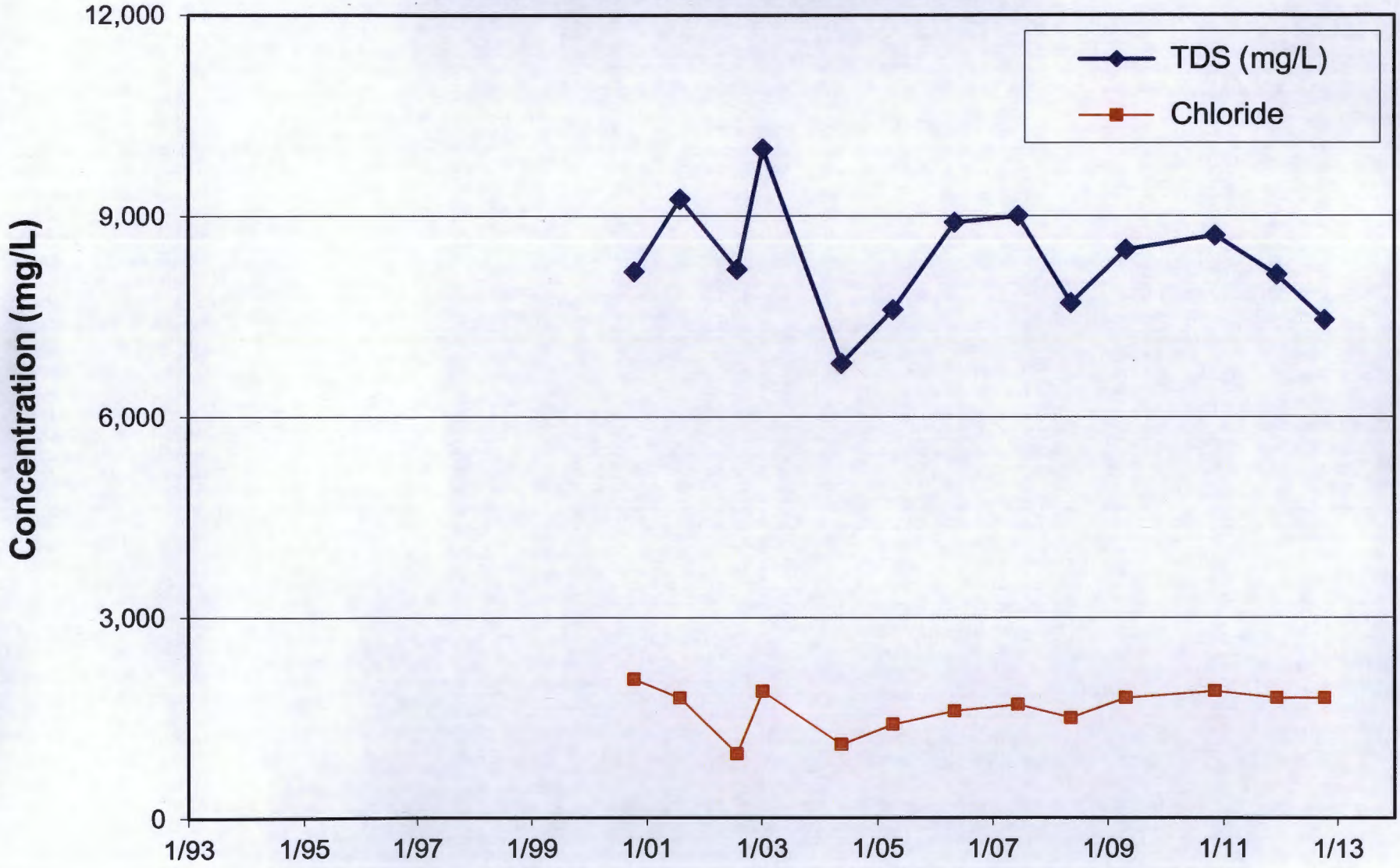
Bell Lake Remediation Site

Concentration History at Well SVE-5

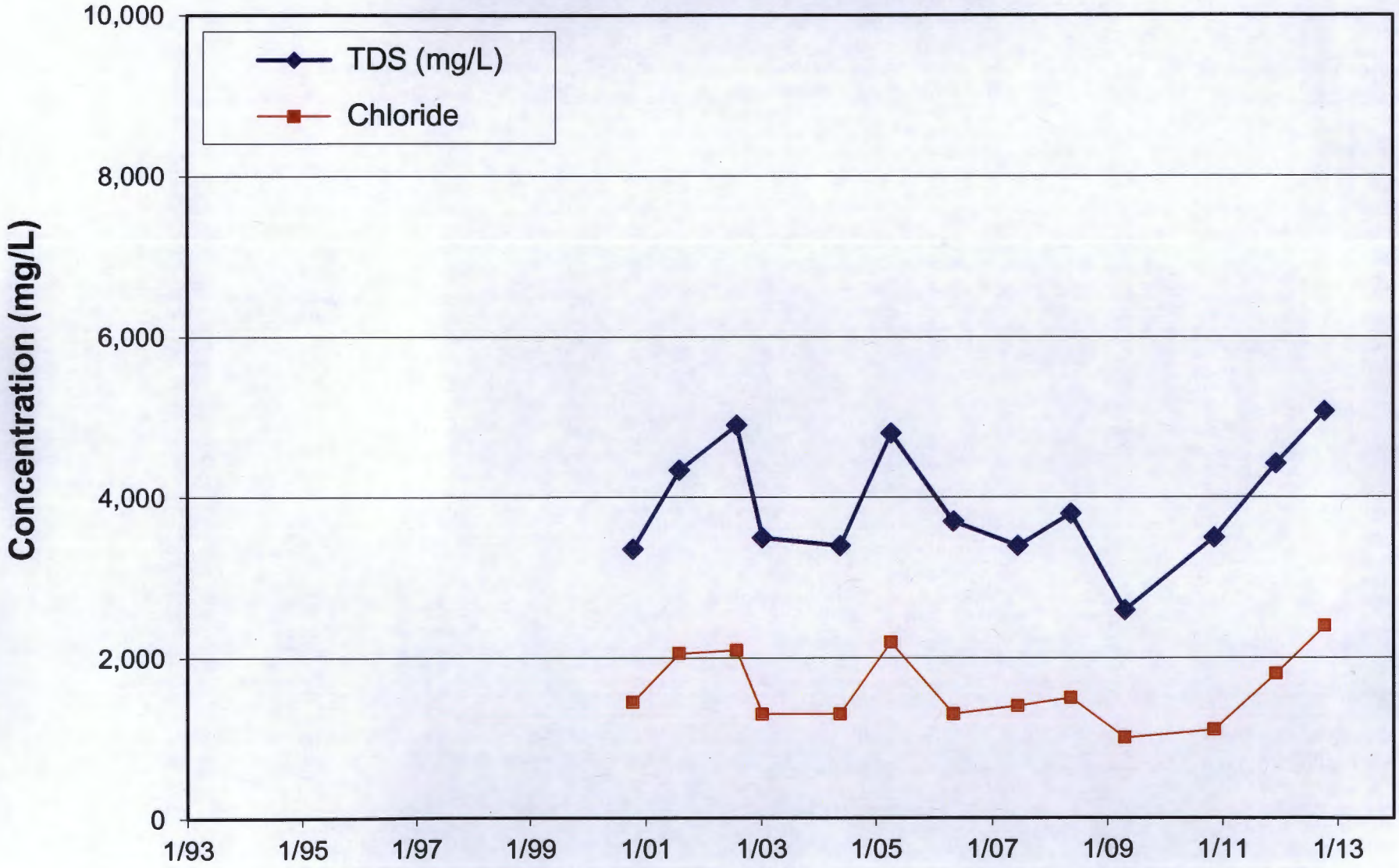


Bell Lake Remediation Site

Concentration History at Well SVE-6

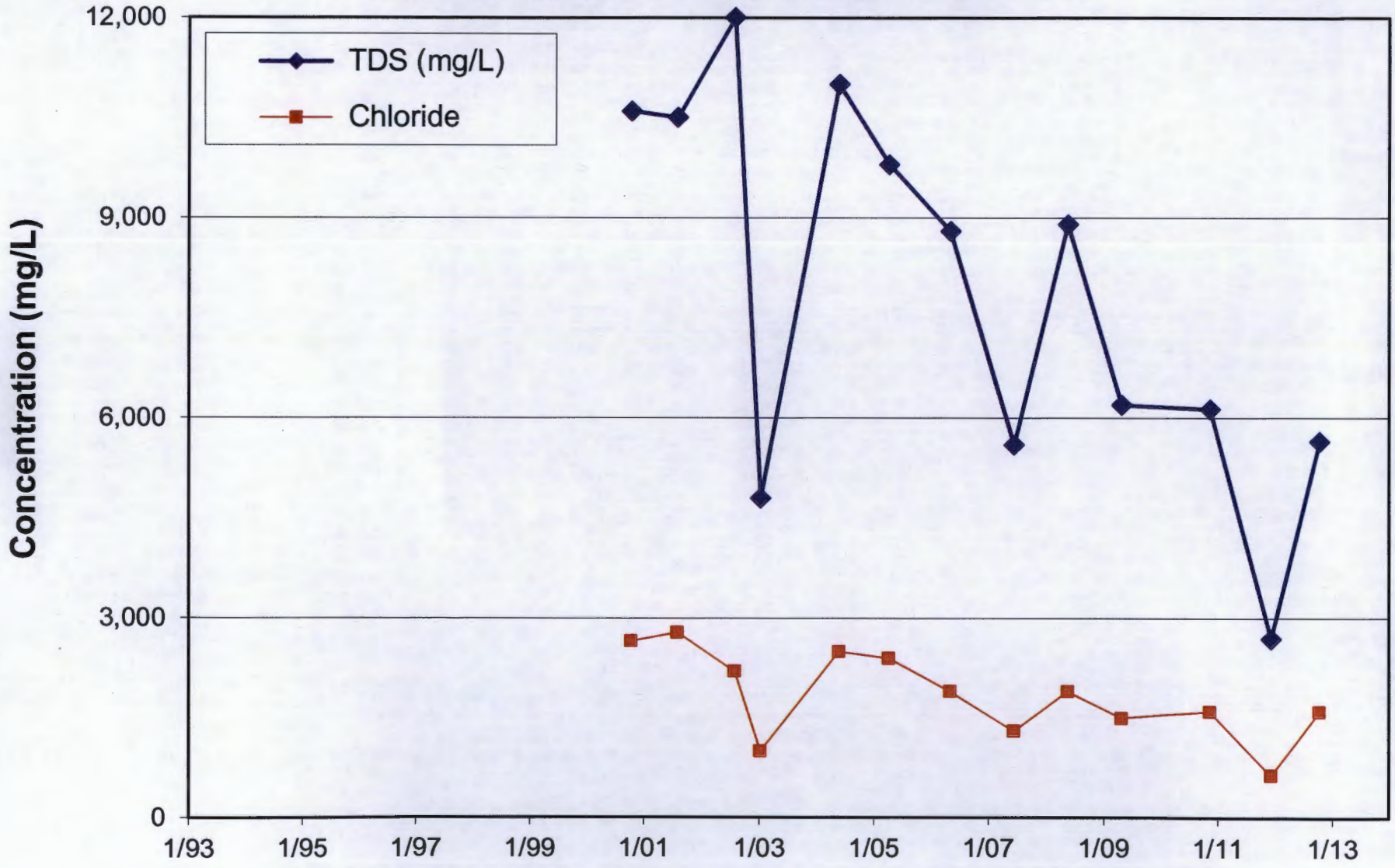


Bell Lake Remediation Site
Concentration History at Well SVE-7



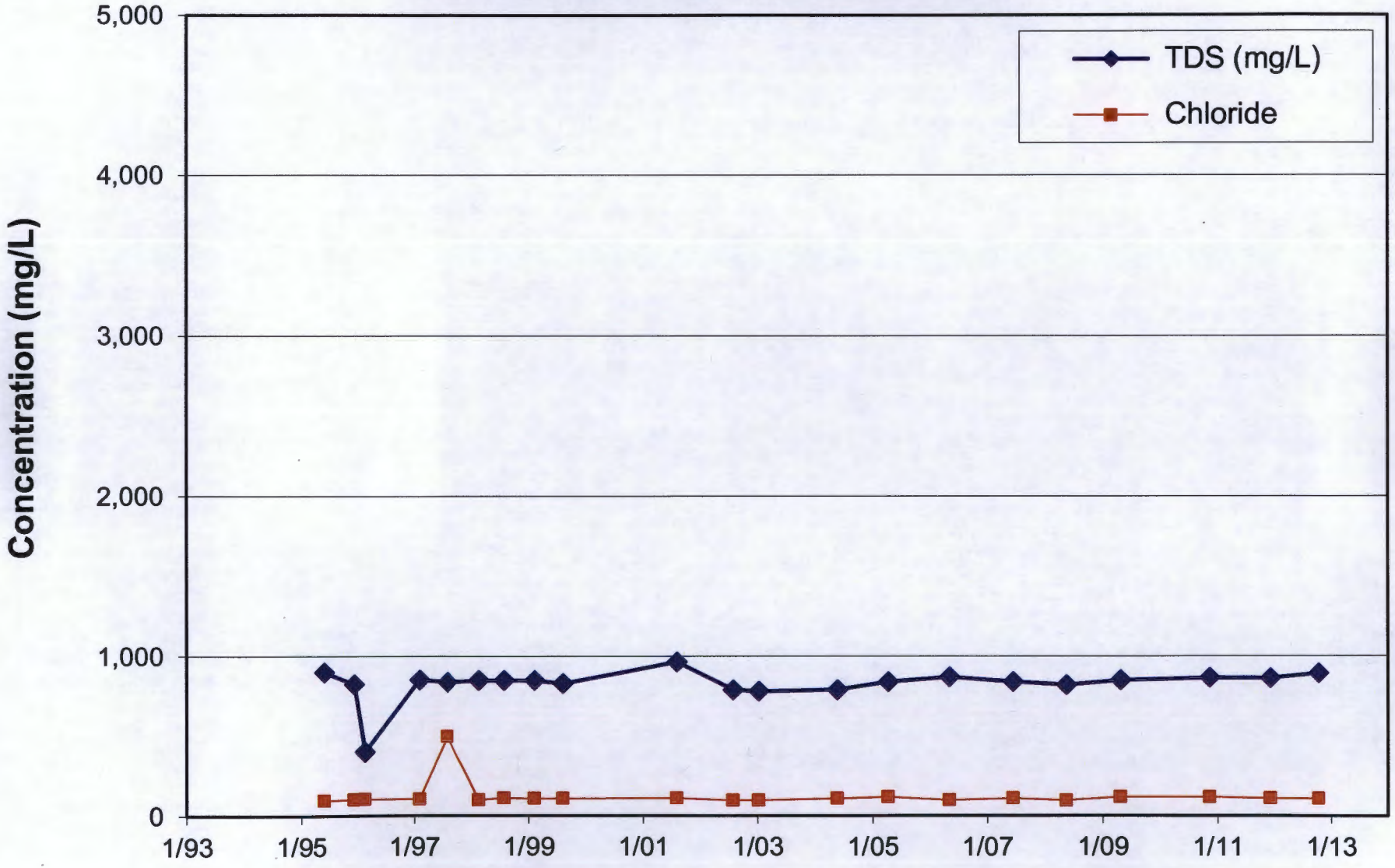
Bell Lake Remediation Site

Concentration History at Well SVE-11



Bell Lake Remediation Site

Concentration History at Water Well

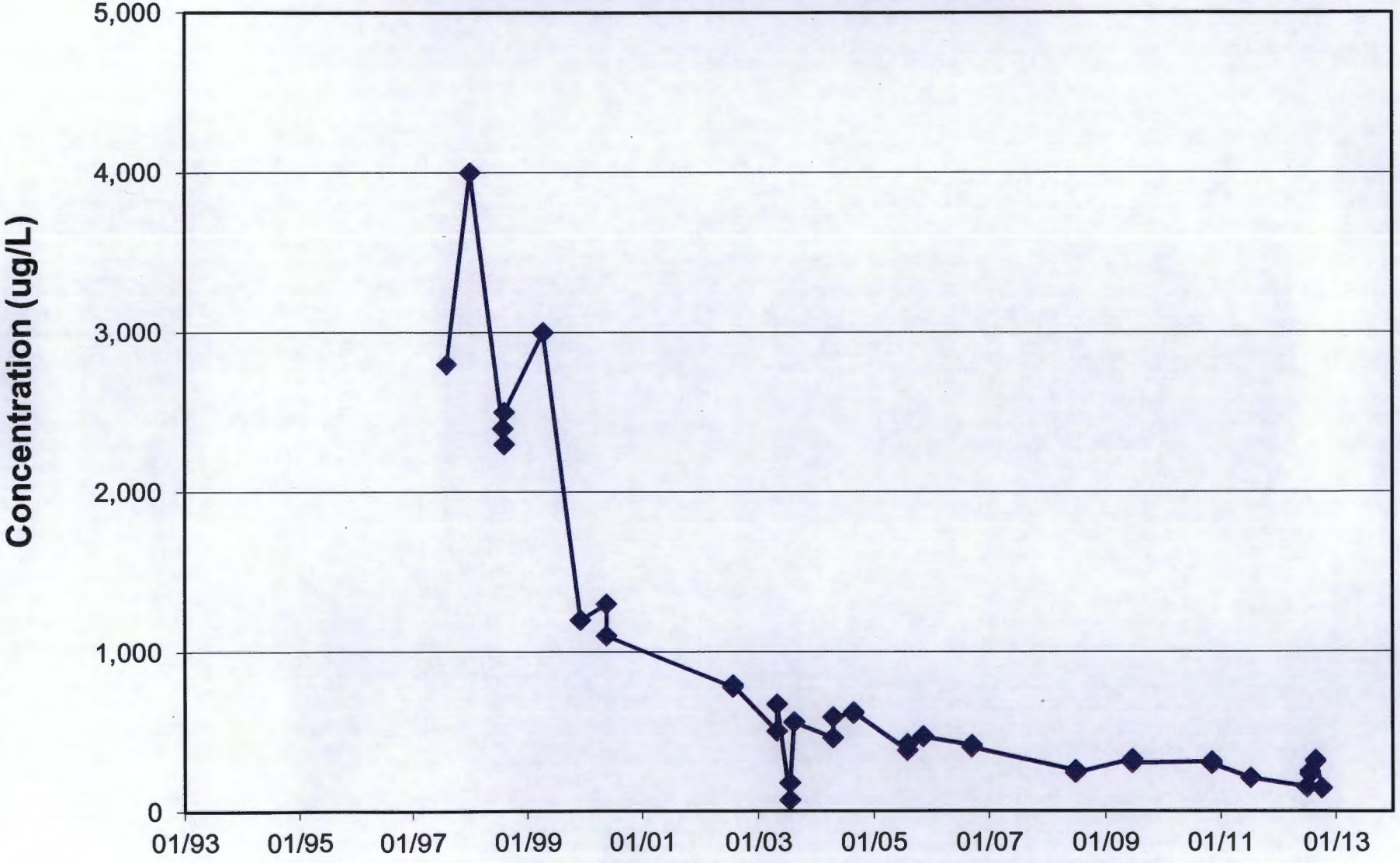


APPENDIX E

Concentration History Plot
SVE System

Bell Lake Remediation Site

Concentration History at SVE Exhaust



APPENDIX F

Laboratory Reports for Soil Vapor Samples

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 19, 2012

Sandra Sharp

Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422
TEL: (281) 797-3421
FAX (281) 859-1881

RE: TWP Bell Lake Station OrderNo.: 1207418

Dear Sandra Sharp:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/11/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1207418**
Date Reported: **7/19/2012**

CLIENT: Cypress Engineering
Project: TWP Bell Lake Station
Lab ID: 1207418-001 **Matrix:** AIR

Client Sample ID: Bell Lake Plant SVE Effluent
Collection Date: 7/6/2012 2:30:00 PM
Received Date: 7/11/2012 11:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	151	25.0		µg/L	5	7/17/2012 2:50:09 PM
% GRO Hydrocarbons: C05-C6	0.800	0		%	5	7/17/2012 2:50:09 PM
% GRO Hydrocarbons: C06-C7	5.30	0		%	5	7/17/2012 2:50:09 PM
% GRO Hydrocarbons: C07-C8	15.8	0		%	5	7/17/2012 2:50:09 PM
% GRO Hydrocarbons: C08-C9	27.1	0		%	5	7/17/2012 2:50:09 PM
% GRO Hydrocarbons: C09-C10	34.0	0		%	5	7/17/2012 2:50:09 PM
% GRO Hydrocarbons: C10-C11	9.40	0		%	5	7/17/2012 2:50:09 PM
% GRO Hydrocarbons: C11-C12	5.50	0		%	5	7/17/2012 2:50:09 PM
% GRO Hydrocarbons: C12-C14	1.90	0		%	5	7/17/2012 2:50:09 PM
% GRO Hydrocarbons: C14+	0.200	0		%	5	7/17/2012 2:50:09 PM
Surr: BFB	164	43.1-185		%REC	5	7/17/2012 2:50:09 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake Station
Lab ID: 1207418-002 **Matrix:** AIR

Client Sample ID: Bell Lake Plant SVE Effluent Du
Collection Date: 7/6/2012 2:30:00 PM
Received Date: 7/11/2012 11:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	147	25.0		µg/L	5	7/17/2012 3:17:31 PM
% GRO Hydrocarbons: C05-C6	0.800	0		%	5	7/17/2012 3:17:31 PM
% GRO Hydrocarbons: C06-C7	5.50	0		%	5	7/17/2012 3:17:31 PM
% GRO Hydrocarbons: C07-C8	17.3	0		%	5	7/17/2012 3:17:31 PM
% GRO Hydrocarbons: C08-C9	27.3	0		%	5	7/17/2012 3:17:31 PM
% GRO Hydrocarbons: C09-C10	33.7	0		%	5	7/17/2012 3:17:31 PM
% GRO Hydrocarbons: C10-C11	8.70	0		%	5	7/17/2012 3:17:31 PM
% GRO Hydrocarbons: C11-C12	4.90	0		%	5	7/17/2012 3:17:31 PM
% GRO Hydrocarbons: C12-C14	1.60	0		%	5	7/17/2012 3:17:31 PM
% GRO Hydrocarbons: C14+	0.200	0		%	5	7/17/2012 3:17:31 PM
Surr: BFB	174	43.1-185		%REC	5	7/17/2012 3:17:31 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1207418**

19-Jul-12

Client: Cypress Engineering

Project: TWP Bell Lake Station

Sample ID **1207419-001ADUP**	SampType: **DUP**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **R4077**	RunNo: **4077**
Prep Date:	Analysis Date: **7/16/2012**	SeqNo: **116768** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1900		2000		93.3	43.1	185	0	0	

Sample ID **1207417-002ADUP**	SampType: **DUP**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **R4106**	RunNo: **4106**
Prep Date:	Analysis Date: **7/17/2012**	SeqNo: **117684** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	62	25						5.61	24.2	
Surr: BFB	8300		10000		83.0	43.1	185	0	0	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: CYP

Work Order Number: 1207418

Received by/date: 07/11/12

Logged By: Ashley Gallegos 7/11/2012 11:45:00 AM

Completed By: Ashley Gallegos 7/11/2012 3:10:57 PM

Reviewed By: 07/11/12

Chain of Custody

1. Were seals intact?	Yes	No	Not Present ✔	
2. Is Chain of Custody complete?	Yes ✔	No	Not Present	
3. How was the sample delivered?	UPS			

Log In

4. Coolers are present? (see 19. for cooler specific information)	Yes ✔	No	NA	
5. Was an attempt made to cool the samples?	Yes ✔	No	NA	
6. Were all samples received at a temperature of >0° C to 6.0°C	Yes ✔	No	NA	
7. Sample(s) in proper container(s)?	Yes ✔	No		
8. Sufficient sample volume for indicated test(s)?	Yes ✔	No		
9. Are samples (except VOA and ONG) properly preserved?	Yes ✔	No		
10. Was preservative added to bottles?	Yes	No ✔	NA	
11. VOA vials have zero headspace?	Yes	No	No VOA Vials ✔	
12. Were any sample containers received broken?	Yes	No ✔		
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ✔	No	# of preserved bottles checked for pH:	
14. Are matrices correctly identified on Chain of Custody?	Yes ✔	No	(<2 or >12 unless noted)	
15. Is it clear what analyses were requested?	Yes ✔	No	Adjusted?	
16. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✔	No	Checked by:	

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes No NA ✔

Person Notified: Date:

By Whom: Via: eMail Phone Fax In Person

Regarding:

Client Instructions:

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1		Good	Yes			

Chain-of-Custody Record

Client: Cypress Engineering Services Inc
ATTN: George Robinson PE
Mailing Address: 11111 Highway 6 North
Houston, TX 77095
Phone #: 281.797.3420
email or Fax#:
QA/QC Package: George.robinson@cypressinc.us
☐ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: TWP Bell Lake Station
Project #: SVE Effluent Sampling 2012
Project Manager: Sandy Sharp
Sampler: CM Barnhill, PE
On Ice: ☐ Yes ☒ No
Sample Temperature:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1207018	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
7/06/12	1430	Air	Bell Lake Plant SVE Effluent	1x1Liter Tedlar	None	-001			X									
7/06/12	1430	Air	Bell Lake Plant SVE Effluent Duplicate	1x1Liter Tedlar	None	-002			X									

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/10/12	1300			07/11/12	1145
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Analysis: TPH mod 8015 G
Questions? Please Call
Sandy Sharp @ 281.797.342

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 06, 2012

Sandra Sharp

Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422
TEL: (281) 797-3421
FAX (281) 859-1881

RE: TWP Bell Lake Plant OrderNo.: 1207D33

Dear Sandra Sharp:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/31/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1207D33**
Date Reported: **8/6/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake Plant
Lab ID: 1207D33-001 **Matrix:** AIR

Client Sample ID: SVE Exhaust
Collection Date: 7/28/2012 12:45:00 PM
Received Date: 7/31/2012 12:58:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	230	5.00		µg/L	1	8/1/2012 2:31:44 PM
% GRO Hydrocarbons: C05-C6	0.100	0		%	1	8/1/2012 2:31:44 PM
% GRO Hydrocarbons: C06-C7	0.700	0		%	1	8/1/2012 2:31:44 PM
% GRO Hydrocarbons: C07-C8	4.70	0		%	1	8/1/2012 2:31:44 PM
% GRO Hydrocarbons: C08-C9	21.2	0		%	1	8/1/2012 2:31:44 PM
% GRO Hydrocarbons: C09-C10	38.6	0		%	1	8/1/2012 2:31:44 PM
% GRO Hydrocarbons: C10-C11	18.8	0		%	1	8/1/2012 2:31:44 PM
% GRO Hydrocarbons: C11-C12	11.1	0		%	1	8/1/2012 2:31:44 PM
% GRO Hydrocarbons: C12-C14	3.70	0		%	1	8/1/2012 2:31:44 PM
% GRO Hydrocarbons: C14+	1.10	0		%	1	8/1/2012 2:31:44 PM
Surr: BFB	1150	43.1-185	S	%REC	1	8/1/2012 2:31:44 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Analytical Report
Lab Order **1207D33**
Date Reported: **8/6/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake Plant
Lab ID: 1207D33-002 **Matrix:** AIR

Client Sample ID: SVE Exhause Duplicate
Collection Date: 7/28/2012 12:45:00 PM
Received Date: 7/31/2012 12:58:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	245	5.00		µg/L	1	8/1/2012 2:59:24 PM
% GRO Hydrocarbons: C05-C6	0.100	0		%	1	8/1/2012 2:59:24 PM
% GRO Hydrocarbons: C06-C7	0.600	0		%	1	8/1/2012 2:59:24 PM
% GRO Hydrocarbons: C07-C8	4.30	0		%	1	8/1/2012 2:59:24 PM
% GRO Hydrocarbons: C08-C9	20.1	0		%	1	8/1/2012 2:59:24 PM
% GRO Hydrocarbons: C09-C10	38.9	0		%	1	8/1/2012 2:59:24 PM
% GRO Hydrocarbons: C10-C11	19.6	0		%	1	8/1/2012 2:59:24 PM
% GRO Hydrocarbons: C11-C12	11.7	0		%	1	8/1/2012 2:59:24 PM
% GRO Hydrocarbons: C12-C14	4.70	0		%	1	8/1/2012 2:59:24 PM
% GRO Hydrocarbons: C14+	ND	0		%	1	8/1/2012 2:59:24 PM
Surr: BFB	1190	43.1-185	S	%REC	1	8/1/2012 2:59:24 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: CYP Work Order Number: 1207D33

Received by/date: AG 07/31/12

Logged By: Anne Thorne 7/31/2012 12:58:00 PM Anne Thorne

Completed By: Anne Thorne 7/31/2012 Anne Thorne

Reviewed By: 07/31/12

Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☑
2. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
3. How was the sample delivered? UPS

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☐ No ☐ NA ☑
5. Was an attempt made to cool the samples? Yes ☐ No ☐ NA ☑
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☐ NA ☑
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

18. Additional remarks:

19. Cooler Information

Chain-of-Custody Record

Client: Cypress Engineering Services Inc
ATTN: George Robinson PE

Mailing Address: 7111 Highway 6 North ste 102
Houston, Tx 77095

Phone #: 281.797.3420

email or Fax#: george.robinson@cypress inc. us.

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other ________

☐ EDD (Type) ________

Turn-Around Time:
☒ Standard ☐ Rush ________

Project Name: Twp Bell Lake Plant

Project #: SVE Exhaust Air Sampling 2012

Project Manager: Sandy Sharp

Sampler: CM Barnhill, FC

On Ice: ☐ Yes ☐ No

Sample Temperature:

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1207D35	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
7/24/12	1245	Air	SVE Exhaust	1x1 Liter Tedlar	None	-001			X													
7/24/12	1245	Air	SVE Exhaust Duplicate	1x1 Liter Tedlar	None	-002			X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/30/12	0930	[signature]	[signature]	07/31/12	1258
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Any Questions Please Call Sandy Sharp @ 281.797.3421

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
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LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 10, 2012

Sandra Sharp

Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422
TEL: (281) 797-3421
FAX (281) 859-1881

RE: TWP Bell Lake Plant OrderNo.: 1209091

Dear Sandra Sharp:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/5/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1209091**
Date Reported: **9/10/2012**

CLIENT: Cypress Engineering
Project: TWP Bell Lake Plant
Lab ID: 1209091-001 **Matrix:** AIR

Client Sample ID: SVE Exhaust Effluent
Collection Date: 8/31/2012 11:55:00 AM
Received Date: 9/5/2012 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	309	10.0		µg/L	2	9/6/2012 1:53:19 PM
% GRO Hydrocarbons: C05-C6	0.100	0		%	2	9/6/2012 1:53:19 PM
% GRO Hydrocarbons: C06-C7	0.600	0		%	2	9/6/2012 1:53:19 PM
% GRO Hydrocarbons: C07-C8	3.10	0		%	2	9/6/2012 1:53:19 PM
% GRO Hydrocarbons: C08-C9	14.8	0		%	2	9/6/2012 1:53:19 PM
% GRO Hydrocarbons: C09-C10	33.7	0		%	2	9/6/2012 1:53:19 PM
% GRO Hydrocarbons: C10-C11	26.8	0		%	2	9/6/2012 1:53:19 PM
% GRO Hydrocarbons: C11-C12	12.8	0		%	2	9/6/2012 1:53:19 PM
% GRO Hydrocarbons: C12-C14	8.10	0		%	2	9/6/2012 1:53:19 PM
% GRO Hydrocarbons: C14+	ND	0		%	2	9/6/2012 1:53:19 PM
Surr: BFB	606	43.1-185	S	%REC	2	9/6/2012 1:53:19 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake Plant
Lab ID: 1209091-002 **Matrix:** AIR

Client Sample ID: SVE Exhaust Effluent Duplicate
Collection Date: 8/31/2012 11:55:00 AM
Received Date: 9/5/2012 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	316	10.0		µg/L	2	9/6/2012 2:20:46 PM
% GRO Hydrocarbons: C05-C6	0.200	0		%	2	9/6/2012 2:20:46 PM
% GRO Hydrocarbons: C06-C7	1.30	0		%	2	9/6/2012 2:20:46 PM
% GRO Hydrocarbons: C07-C8	4.40	0		%	2	9/6/2012 2:20:46 PM
% GRO Hydrocarbons: C08-C9	15.5	0		%	2	9/6/2012 2:20:46 PM
% GRO Hydrocarbons: C09-C10	32.9	0		%	2	9/6/2012 2:20:46 PM
% GRO Hydrocarbons: C10-C11	25.9	0		%	2	9/6/2012 2:20:46 PM
% GRO Hydrocarbons: C11-C12	12.2	0		%	2	9/6/2012 2:20:46 PM
% GRO Hydrocarbons: C12-C14	7.60	0		%	2	9/6/2012 2:20:46 PM
% GRO Hydrocarbons: C14+	ND	0		%	2	9/6/2012 2:20:46 PM
Surr: BFB	583	43.1-185	S	%REC	2	9/6/2012 2:20:46 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1209091**

10-Sep-12

Client: Cypress Engineering

Project: TWP Bell Lake Plant

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **PBW**	Batch ID: **R5368**	RunNo: **5368**
Prep Date:	Analysis Date: **9/6/2012**	SeqNo: **152916** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	19		20.00		92.9	69.8	119			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **LCSW**	Batch ID: **R5368**	RunNo: **5368**
Prep Date:	Analysis Date: **9/6/2012**	SeqNo: **152917** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.46	0.050	0.5000	0	91.6	75.9	119			
Surr: BFB	18		20.00		88.4	69.8	119			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1209091**

10-Sep-12

Client: Cypress Engineering
Project: TWP Bell Lake Plant

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R5368**	RunNo: **5368**
Prep Date:	Analysis Date: **9/6/2012**	SeqNo: **152925** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	21		20.00		105	55	140			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R5368**	RunNo: **5368**
Prep Date:	Analysis Date: **9/6/2012**	SeqNo: **152926** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	23		20.00		117	55	140			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: CYP Work Order Number: 1209091

Received by/date: _____

Logged By: **Anne Thorne** 9/5/2012 10:30:00 AM Anne Thorne

Completed By: **Anne Thorne** 9/5/2012 Anne Thorne

Reviewed By: 09/05/12

Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☑
2. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
3. How was the sample delivered? UPS

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☑ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☐ No ☐ NA ☑
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☐ NA ☑
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

18. Additional remarks:

19. **Cooler Information**

Chain-of-Custody Record

Client: Cypress Engineering Services Inc.
ATTN: George Robinson
Mailing Address: 7171 Highway 6 North # 102
Houston, Tx 77095
Phone #: 281. 797. 3420
email or Fax#: george.robinson@cypressinc.us
QA/QC Package: ☑ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other ____
☐ EDD (Type) ____

Turn-Around Time: ☑ Standard ☐ Rush
Project Name: TWP Bell Lake Plant
Project #: SVE Effluent Sampling 2012
Project Manager: Sandy Sharp
Sampler: C M Barnhill, PG
On Ice: ☐ Yes ☒ No
Sample Temperature:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1209091	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
8/31/12	~~1300~~ 11:55	Air	SVE Exhaust Effluent	1 x 1 Liter Tedlar	None	-001			X													
8/31/12	~~1300~~ 11:55	Air	SVE Exhaust Effluent Duplicate	1 x 1 Liter Tedlar	None	-002			X													

Date: 9/04/12 Time: 1630 Relinquished by: [signature]
Received by: [signature] Date: 09/05/12 Time: 1030
Date: Time: Relinquished by:
Received by: Date Time

Remarks: Analysis: TPH mod 8015 GRO
Questions? Please Call
Sandy Sharp @ 281.797.3421

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 02, 2012

Sandra Sharp

Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422
TEL: (281) 797-3421
FAX: (281) 859-1881

RE: TWP Bell Lake OrderNo.: 1210761

Dear Sandra Sharp:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/16/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order: **1210761**
Date Reported: **11/2/2012**

CLIENT: Cypress Engineering
Project: TWP Bell Lake

Lab Order: 1210761

Lab ID: 1210761-001 **Collection Date:** 10/11/2012 4:30:00 PM
Client Sample ID: SVE Exhaust Effluent **Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MODIFIED EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	140	25		µg/L	5	10/22/2012 1:51:09 PM
Surr: BFB	101	70-130		%REC	5	10/22/2012 1:51:09 PM

Lab ID: 1210761-002 **Collection Date:** 10/11/2012 4:30:00 PM
Client Sample ID: SVE Exhaust Effluent Duplicate **Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MODIFIED EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	140	25		µg/L	5	10/22/2012 2:47:49 PM
Surr: BFB	97.0	70-130		%REC	5	10/22/2012 2:47:49 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1210761**

02-Nov-12

Client: Cypress Engineering

Project: TWP Bell Lake

Sample ID: **1210761-001A DUP** SampType: **DUP** TestCode: **Modified EPA Method 8015B: Gasoline Range**

Client ID: **SVE Exhaust Efflue** Batch ID: **R6425** RunNo: **6425**

Prep Date: Analysis Date: **10/22/2012** SeqNo: **184663** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	130	25						5.87	20	
Surr: BFB	4800		5000		96.2	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: CYP

Work Order Number: 1210761

Received by/date: 10/16/12

Logged By: Ashley Gallegos 10/16/2012 10:00:00 AM

Completed By: Ashley Gallegos 10/16/2012 11:02:29 AM

Reviewed By: 10/16/12

Chain of Custody

1. Were seals intact?	Yes	No	Not Present	✔
2. Is Chain of Custody complete?	Yes ✔	No	Not Present	
3. How was the sample delivered?	UPS			

Log In

4. Coolers are present? (see 19. for cooler specific information)	Yes ✔	No	NA
5. Was an attempt made to cool the samples?	Yes ✔	No	NA
6. Were all samples received at a temperature of >0° C to 6.0°C	Yes ✔	No	NA
7. Sample(s) in proper container(s)?	Yes ✔	No	
8. Sufficient sample volume for indicated test(s)?	Yes ✔	No	
9. Are samples (except VOA and ONG) properly preserved?	Yes ✔	No	
10. Was preservative added to bottles?	Yes	No ✔	NA
11. VOA vials have zero headspace?	Yes	No	No VOA Vials ✔
12. Were any sample containers received broken?	Yes	No ✔	
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ✔	No	# of preserved bottles checked for pH:
14. Are matrices correctly identified on Chain of Custody?	Yes ✔	No	(<2 or >12 unless noted)
15. Is it clear what analyses were requested?	Yes ✔	No	Adjusted?
16. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✔	No	Checked by:

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes No NA ✔

Person Notified: Date:

By Whom: Via: eMail Phone Fax In Person

Regarding:

Client Instructions:

18. Additional remarks:

19. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1		Good	Yes			

Chain-of-Custody Record

Client: Cypress Engineering Services Inc
ATTN: George Robinson, PE
Mailing Address: 1171 Highway 6 North #102
Houston, TX 77095
Phone #: 281.797.3420
email or Fax#: george.robinson@cypressinc.us
QA/QC Package: Cypressinc.us
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____
Project Name: TWP Bell Lake
Project #: SVE Effluent Sampling 2012
Project Manager: Sandy Sharpe
Sampler: CM Barnhill, PE
On Ice: ☐ Yes ☒ No
Sample Temperature: HEAL 120762

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	
2/11/12	1630	Air	SVE Exhaust Effluent	1x Liter Tedlar	None	-001
2/11/12	1630	Air	SVE Exhaust Effluent Duplicate	1x Liter Tedlar	None	-002

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
		X													
		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
2/15/12	1030				
Date:	Time:	Relinquished by:	Received by:	10/11/12	10:00

Remarks: Any Questions Please Call Sandy Sharpe 281.797.3421

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

APPENDIX G

Laboratory Reports for Groundwater Samples

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 04, 2012

George Robinson

Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422
TEL: (281) 797-3420
FAX (281) 859-1881

RE: TWP Bell Lake OrderNo.: 1204A29

Dear George Robinson:

Hall Environmental Analysis Laboratory received 23 sample(s) on 4/26/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1204A29**
Date Reported: **5/4/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-001 **Matrix:** AQUEOUS

Client Sample ID: SVE-2
Collection Date: 4/23/2012 3:55:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	9.3	1.0		µg/L	1	4/30/2012 5:39:27 PM
Toluene	2.2	1.0		µg/L	1	4/30/2012 5:39:27 PM
Ethylbenzene	ND	1.0		µg/L	1	4/30/2012 5:39:27 PM
Xylenes, Total	2.7	2.0		µg/L	1	4/30/2012 5:39:27 PM
Surr: 4-Bromofluorobenzene	132	55-140		%REC	1	4/30/2012 5:39:27 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-002
Matrix: AQUEOUS
Client Sample ID: MW-7
Collection Date: 4/23/2012 4:30:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	4/30/2012 7:11:28 PM
Toluene	ND	1.0		µg/L	1	4/30/2012 7:11:28 PM
Ethylbenzene	ND	1.0		µg/L	1	4/30/2012 7:11:28 PM
Xylenes, Total	ND	2.0		µg/L	1	4/30/2012 7:11:28 PM
Surr: 4-Bromofluorobenzene	95.0	55-140		%REC	1	4/30/2012 7:11:28 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-003 **Matrix:** AQUEOUS

Client Sample ID: Water Well
Collection Date: 4/23/2012 4:45:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	4/30/2012 7:42:15 PM
Toluene	ND	1.0		µg/L	1	4/30/2012 7:42:15 PM
Ethylbenzene	ND	1.0		µg/L	1	4/30/2012 7:42:15 PM
Xylenes, Total	ND	2.0		µg/L	1	4/30/2012 7:42:15 PM
Surr: 4-Bromofluorobenzene	106	55-140		%REC	1	4/30/2012 7:42:15 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-004 **Matrix:** AQUEOUS

Client Sample ID: SVE-5
Collection Date: 4/23/2012 5:10:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	430	20		µg/L	20	4/30/2012 8:12:58 PM
Toluene	1,100	20		µg/L	20	4/30/2012 8:12:58 PM
Ethylbenzene	63	20		µg/L	20	4/30/2012 8:12:58 PM
Xylenes, Total	1,300	40		µg/L	20	4/30/2012 8:12:58 PM
Surr: 4-Bromofluorobenzene	107	55-140		%REC	20	4/30/2012 8:12:58 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-005 **Matrix:** AQUEOUS

Client Sample ID: SVE-6
Collection Date: 4/23/2012 5:25:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	190	10		µg/L	10	5/1/2012 12:21:49 AM
Toluene	370	10		µg/L	10	5/1/2012 12:21:49 AM
Ethylbenzene	ND	10		µg/L	10	5/1/2012 12:21:49 AM
Xylenes, Total	180	20		µg/L	10	5/1/2012 12:21:49 AM
Surr: 4-Bromofluorobenzene	110	55-140		%REC	10	5/1/2012 12:21:49 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-006 **Matrix:** AQUEOUS

Client Sample ID: SVE-7
Collection Date: 4/23/2012 3:18:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	16	1.0		µg/L	1	5/1/2012 12:52:30 AM
Toluene	1.8	1.0		µg/L	1	5/1/2012 12:52:30 AM
Ethylbenzene	ND	1.0		µg/L	1	5/1/2012 12:52:30 AM
Xylenes, Total	3.9	2.0		µg/L	1	5/1/2012 12:52:30 AM
Surr: 4-Bromofluorobenzene	122	55-140		%REC	1	5/1/2012 12:52:30 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-007 **Matrix:** AQUEOUS

Client Sample ID: MW-2
Collection Date: 4/23/2012 4:11:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	14	1.0		µg/L	1	5/1/2012 7:41:23 PM
Toluene	9.1	1.0		µg/L	1	5/1/2012 7:41:23 PM
Ethylbenzene	ND	1.0		µg/L	1	5/1/2012 7:41:23 PM
Xylenes, Total	5.5	2.0		µg/L	1	5/1/2012 7:41:23 PM
Surr: 4-Bromofluorobenzene	121	55-140		%REC	1	5/1/2012 7:41:23 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-008 **Matrix:** AQUEOUS

Client Sample ID: MW-1
Collection Date: 4/23/2012 4:56:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	5.0	1.0		µg/L	1	5/1/2012 11:16:23 PM
Toluene	2.8	1.0		µg/L	1	5/1/2012 11:16:23 PM
Ethylbenzene	2.0	1.0		µg/L	1	5/1/2012 11:16:23 PM
Xylenes, Total	3.0	2.0		µg/L	1	5/1/2012 11:16:23 PM
Surr: 4-Bromofluorobenzene	108	55-140		%REC	1	5/1/2012 11:16:23 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-009
Matrix: AQUEOUS
Client Sample ID: SVE-22
Collection Date: 4/23/2012 6:00:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	330	10		µg/L	10	5/1/2012 11:47:12 PM
Toluene	880	10		µg/L	10	5/1/2012 11:47:12 PM
Ethylbenzene	42	10		µg/L	10	5/1/2012 11:47:12 PM
Xylenes, Total	840	20		µg/L	10	5/1/2012 11:47:12 PM
Surr: 4-Bromofluorobenzene	116	55-140		%REC	10	5/1/2012 11:47:12 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-010
Matrix: AQUEOUS
Client Sample ID: SVE-11
Collection Date: 4/24/2012 9:20:00 AM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	340	10		µg/L	10	5/2/2012 12:17:52 AM
Toluene	900	10		µg/L	10	5/2/2012 12:17:52 AM
Ethylbenzene	43	10		µg/L	10	5/2/2012 12:17:52 AM
Xylenes, Total	890	20		µg/L	10	5/2/2012 12:17:52 AM
Surr: 4-Bromofluorobenzene	144	55-140	S	%REC	10	5/2/2012 12:17:52 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-011
Matrix: AQUEOUS
Client Sample ID: MW-6
Collection Date: 4/24/2012 10:25:00 AM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	26	1.0		µg/L	1	5/2/2012 12:48:36 AM
Toluene	43	1.0		µg/L	1	5/2/2012 12:48:36 AM
Ethylbenzene	8.7	1.0		µg/L	1	5/2/2012 12:48:36 AM
Xylenes, Total	29	2.0		µg/L	1	5/2/2012 12:48:36 AM
Surr: 4-Bromofluorobenzene	106	55-140		%REC	1	5/2/2012 12:48:36 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-012
Matrix: AQUEOUS
Client Sample ID: MW-5
Collection Date: 4/24/2012 11:11:00 AM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	14	1.0		µg/L	1	5/2/2012 1:19:27 AM
Toluene	21	1.0		µg/L	1	5/2/2012 1:19:27 AM
Ethylbenzene	1.8	1.0		µg/L	1	5/2/2012 1:19:27 AM
Xylenes, Total	22	2.0		µg/L	1	5/2/2012 1:19:27 AM
Surr: 4-Bromofluorobenzene	120	55-140		%REC	1	5/2/2012 1:19:27 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-013
Matrix: AQUEOUS
Client Sample ID: MW-8
Collection Date: 4/24/2012 11:52:00 AM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	150	5.0		µg/L	5	5/2/2012 1:50:06 AM
Toluene	190	5.0		µg/L	5	5/2/2012 1:50:06 AM
Ethylbenzene	16	5.0		µg/L	5	5/2/2012 1:50:06 AM
Xylenes, Total	280	10		µg/L	5	5/2/2012 1:50:06 AM
Surr: 4-Bromofluorobenzene	120	55-140		%REC	5	5/2/2012 1:50:06 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-014 **Matrix:** AQUEOUS

Client Sample ID: MW-9
Collection Date: 4/24/2012 12:50:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	230	5.0		µg/L	5	5/2/2012 2:20:57 AM
Toluene	39	5.0		µg/L	5	5/2/2012 2:20:57 AM
Ethylbenzene	26	5.0		µg/L	5	5/2/2012 2:20:57 AM
Xylenes, Total	690	10		µg/L	5	5/2/2012 2:20:57 AM
Surr: 4-Bromofluorobenzene	124	55-140		%REC	5	5/2/2012 2:20:57 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-015
Matrix: AQUEOUS
Client Sample ID: MW-10
Collection Date: 4/24/2012 1:45:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	43	5.0		µg/L	5	5/2/2012 2:51:40 AM
Toluene	ND	5.0		µg/L	5	5/2/2012 2:51:40 AM
Ethylbenzene	8.4	5.0		µg/L	5	5/2/2012 2:51:40 AM
Xylenes, Total	72	10		µg/L	5	5/2/2012 2:51:40 AM
Surr: 4-Bromofluorobenzene	111	55-140		%REC	5	5/2/2012 2:51:40 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-016
Matrix: AQUEOUS
Client Sample ID: MW-14
Collection Date: 4/24/2012 9:45:00 AM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/2/2012 3:22:19 AM
Toluene	ND	1.0		µg/L	1	5/2/2012 3:22:19 AM
Ethylbenzene	ND	1.0		µg/L	1	5/2/2012 3:22:19 AM
Xylenes, Total	ND	2.0		µg/L	1	5/2/2012 3:22:19 AM
Surr: 4-Bromofluorobenzene	93.5	55-140		%REC	1	5/2/2012 3:22:19 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-017
Matrix: AQUEOUS
Client Sample ID: MW-11
Collection Date: 4/24/2012 10:35:00 AM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	440	10		µg/L	10	5/2/2012 3:53:02 AM
Toluene	29	10		µg/L	10	5/2/2012 3:53:02 AM
Ethylbenzene	37	10		µg/L	10	5/2/2012 3:53:02 AM
Xylenes, Total	820	20		µg/L	10	5/2/2012 3:53:02 AM
Surr: 4-Bromofluorobenzene	125	55-140		%REC	10	5/2/2012 3:53:02 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-018 **Matrix:** AQUEOUS

Client Sample ID: MW-22
Collection Date: 4/24/2012 8:30:00 AM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	470	10		µg/L	10	5/2/2012 12:28:45 PM
Toluene	29	10		µg/L	10	5/2/2012 12:28:45 PM
Ethylbenzene	41	10		µg/L	10	5/2/2012 12:28:45 PM
Xylenes, Total	890	20		µg/L	10	5/2/2012 12:28:45 PM
Surr: 4-Bromofluorobenzene	107	55-140		%REC	10	5/2/2012 12:28:45 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-019 **Matrix:** AQUEOUS

Client Sample ID: MW-12
Collection Date: 4/24/2012 11:10:00 AM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/2/2012 12:59:26 PM
Toluene	ND	1.0		µg/L	1	5/2/2012 12:59:26 PM
Ethylbenzene	ND	1.0		µg/L	1	5/2/2012 12:59:26 PM
Xylenes, Total	ND	2.0		µg/L	1	5/2/2012 12:59:26 PM
Surr: 4-Bromofluorobenzene	107	55-140		%REC	1	5/2/2012 12:59:26 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-020
Matrix: AQUEOUS
Client Sample ID: MW-15
Collection Date: 4/24/2012 11:45:00 AM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/2/2012 1:29:54 PM
Toluene	ND	1.0		µg/L	1	5/2/2012 1:29:54 PM
Ethylbenzene	ND	1.0		µg/L	1	5/2/2012 1:29:54 PM
Xylenes, Total	ND	2.0		µg/L	1	5/2/2012 1:29:54 PM
Surr: 4-Bromofluorobenzene	101	55-140		%REC	1	5/2/2012 1:29:54 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-021 **Matrix:** AQUEOUS

Client Sample ID: MW-13
Collection Date: 4/24/2012 12:15:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/3/2012 3:49:04 AM
Toluene	ND	1.0		µg/L	1	5/3/2012 3:49:04 AM
Ethylbenzene	ND	1.0		µg/L	1	5/3/2012 3:49:04 AM
Xylenes, Total	ND	2.0		µg/L	1	5/3/2012 3:49:04 AM
Surr: 4-Bromofluorobenzene	116	55-140		%REC	1	5/3/2012 3:49:04 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-022 **Matrix:** AQUEOUS

Client Sample ID: MW-16
Collection Date: 4/24/2012 12:50:00 PM
Received Date: 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/2/2012 2:31:20 PM
Toluene	ND	1.0		µg/L	1	5/2/2012 2:31:20 PM
Ethylbenzene	ND	1.0		µg/L	1	5/2/2012 2:31:20 PM
Xylenes, Total	ND	2.0		µg/L	1	5/2/2012 2:31:20 PM
Surr: 4-Bromofluorobenzene	107	55-140		%REC	1	5/2/2012 2:31:20 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1204A29-023

Client Sample ID: Trip Blank
Collection Date:
Matrix: TRIP BLANK **Received Date:** 4/26/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/2/2012 3:02:12 PM
Toluene	ND	1.0		µg/L	1	5/2/2012 3:02:12 PM
Ethylbenzene	ND	1.0		µg/L	1	5/2/2012 3:02:12 PM
Xylenes, Total	ND	2.0		µg/L	1	5/2/2012 3:02:12 PM
Surr: 4-Bromofluorobenzene	108	55-140		%REC	1	5/2/2012 3:02:12 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.
E	Value above quantitation range
J	Analyte detected below quantitation limits
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1204A29**

04-May-12

Client: Cypress Engineering
Project: TWP Bell Lake

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R2484**	RunNo: **2484**
Prep Date:	Analysis Date: **4/30/2012**	SeqNo: **69128** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	23		20.00		116	55	140			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R2484**	RunNo: **2484**
Prep Date:	Analysis Date: **4/30/2012**	SeqNo: **69129** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	107	80	120			
Toluene	21	1.0	20.00	0	107	80	120			
Ethylbenzene	21	1.0	20.00	0	106	80	120			
Xylenes, Total	63	2.0	60.00	0	105	80	120			
Surr: 4-Bromofluorobenzene	20		20.00		101	55	140			

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R2523**	RunNo: **2523**
Prep Date:	Analysis Date: **5/1/2012**	SeqNo: **70010** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	19		20.00		94.2	55	140			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R2523**	RunNo: **2523**
Prep Date:	Analysis Date: **5/1/2012**	SeqNo: **70011** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	110	80	120			
Toluene	22	1.0	20.00	0	112	80	120			
Ethylbenzene	22	1.0	20.00	0	110	80	120			
Xylenes, Total	66	2.0	60.00	0	110	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		106	55	140			

Qualifiers:

- X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1204A29**

04-May-12

Client: Cypress Engineering

Project: TWP Bell Lake

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R2545**	RunNo: **2545**
Prep Date:	Analysis Date: **5/2/2012**	SeqNo: **70901** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	20		20.00		97.5	55	140			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R2545**	RunNo: **2545**
Prep Date:	Analysis Date: **5/2/2012**	SeqNo: **70902** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	80	120			
Toluene	22	1.0	20.00	0	108	80	120			
Ethylbenzene	21	1.0	20.00	0	106	80	120			
Xylenes, Total	64	2.0	60.00	0	106	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		104	55	140			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: CYP Work Order Number: 1204A29

Received by/date: 04/26/12

Logged By: Lindsay Mangin 4/26/2012 12:00:00 PM

Completed By: Lindsay Mangin 4/26/2012 1:44:01 PM

Reviewed By: 04/26/12

Chain of Custody

1. Were seals intact?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	UPS		

Log In

4. Coolers are present? (see 19. for cooler specific information)	Yes ☑	No ☐	NA ☐
5. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
7. Sample(s) in proper container(s)?	Yes ☑	No ☐	
8. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
11. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
12. Were any sample containers received broken?	Yes ☐	No ☑	
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15. Is it clear what analyses were requested?	Yes ☑	No ☐	
16. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

18. Additional remarks:

19. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good	Yes			

Chain-of-Custody Record

Client: Cypress Engineering Services
7171 Hwy 6 North, Ste 102
Mailing Address: Houston, TX 77095

Phone #: 281.797.3421
email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name:
Transwestern Pipeline Co
Bell Lake

Project #:
TWP Bell Lake

Project Manager:
George Robinson

Sampler: Shaun Sharp

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	[illegible]	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
4/23/12	1555	H20	SVE-2	3/40ml	HCl	-001	X															
	1650		MW-7			-002																
	1645		WATER WELL			-003																
	1710		SVE-5			-004																
	1725		SVE-6			-005																
	1518		SVE-7			-006																
	1611		MW-2			-007																
	1656		MW-1			-008																
	1800		SVE-22			-009																
4/24/12	0920		SVE-11			-010																
	1025		MW-6			-011																
	1111		MW-5			-012																

Date: 4/25/12 Time: 1345 Relinquished by:
Date: Time: Relinquished by:

Received by:
Date: 04/26/12 Time: 1700
Received by:
Date Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Cypress Engineering Services
7171 Hwy 6 North, Ste 102
Mailing Address: Houston TX 77095

Phone #: 281.797.3421
email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Transwestern Pipeline Company Bell Lake

Project #: TWP Bell Lake

Project Manager: George Robinson

Sampler: Sandy Sharp

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type		BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
4/24/11	1152	H2O	MW-8	3/40ml	HCl	-013	X											
	1250		MW-9			-014												
	1345		MW-10			-015												
	0945		MW-14			-016												
	1035		MW-11			-017												
	0830		MW-22			-018												
	1110		MW-12			-019												
	1145		MW-15			-020												
	1215		MW-13			-021												
	1250		MW-16			-022												
↓	—	↓	Trip Blank	2/40ml	↓	-023	↓											

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/25/12	1345				
Date:	Time:	Relinquished by:	Received by:	Date	Time
				04/26/12	1200

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 05, 2012

George Robinson
Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422
TEL: (281) 797-3420
FAX (281) 859-1881

RE: TWP Bell Lake Order No.: 1210943

Dear George Robinson:

Hall Environmental Analysis Laboratory received 23 sample(s) on 10/19/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1210943**
Date Reported: **11/5/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-001 **Matrix:** AQUEOUS

Client Sample ID: MW-16
Collection Date: 10/16/2012 2:35:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	210	50		mg/L	100	10/19/2012 8:22:10 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	ND	0.020		mg/L	1	10/24/2012 2:18:32 PM
Barium	0.068	0.020		mg/L	1	10/24/2012 2:18:32 PM
Manganese	0.0023	0.0020		mg/L	1	10/24/2012 2:18:32 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	10/26/2012 3:21:38 AM
Toluene	ND	1.0		µg/L	1	10/26/2012 3:21:38 AM
Ethylbenzene	ND	1.0		µg/L	1	10/26/2012 3:21:38 AM
Xylenes, Total	ND	2.0		µg/L	1	10/26/2012 3:21:38 AM
Surr: 1,2-Dichloroethane-d4	103	70-130		%REC	1	10/26/2012 3:21:38 AM
Surr: 4-Bromofluorobenzene	96.4	70-130		%REC	1	10/26/2012 3:21:38 AM
Surr: Dibromofluoromethane	92.1	70-130		%REC	1	10/26/2012 3:21:38 AM
Surr: Toluene-d8	97.6	70-130		%REC	1	10/26/2012 3:21:38 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	1330	100		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-002 **Matrix:** AQUEOUS

Client Sample ID: MW-13
Collection Date: 10/16/2012 3:35:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	1700	50		mg/L	100	10/20/2012 3:36:37 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	ND	0.10		mg/L	5	10/24/2012 2:49:21 PM
Barium	0.57	0.020		mg/L	1	10/24/2012 2:47:02 PM
Manganese	5.9	0.020		mg/L	10	10/24/2012 4:31:36 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	10/26/2012 3:52:17 AM
Toluene	ND	1.0		µg/L	1	10/26/2012 3:52:17 AM
Ethylbenzene	ND	1.0		µg/L	1	10/26/2012 3:52:17 AM
Xylenes, Total	ND	2.0		µg/L	1	10/26/2012 3:52:17 AM
Surr: 1,2-Dichloroethane-d4	105	70-130		%REC	1	10/26/2012 3:52:17 AM
Surr: 4-Bromofluorobenzene	99.2	70-130		%REC	1	10/26/2012 3:52:17 AM
Surr: Dibromofluoromethane	94.2	70-130		%REC	1	10/26/2012 3:52:17 AM
Surr: Toluene-d8	86.1	70-130		%REC	1	10/26/2012 3:52:17 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	3360	100		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-003 **Matrix:** AQUEOUS

Client Sample ID: MW-15
Collection Date: 10/16/2012 4:29:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	1600	50		mg/L	100	10/20/2012 4:26:15 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.029	0.020		mg/L	1	10/24/2012 2:51:46 PM
Barium	0.52	0.020		mg/L	1	10/24/2012 2:51:46 PM
Manganese	6.0	0.020		mg/L	10	10/24/2012 4:33:53 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	10/26/2012 4:22:55 AM
Toluene	ND	1.0		µg/L	1	10/26/2012 4:22:55 AM
Ethylbenzene	ND	1.0		µg/L	1	10/26/2012 4:22:55 AM
Xylenes, Total	ND	2.0		µg/L	1	10/26/2012 4:22:55 AM
Surr: 1,2-Dichloroethane-d4	119	70-130		%REC	1	10/26/2012 4:22:55 AM
Surr: 4-Bromofluorobenzene	103	70-130		%REC	1	10/26/2012 4:22:55 AM
Surr: Dibromofluoromethane	103	70-130		%REC	1	10/26/2012 4:22:55 AM
Surr: Toluene-d8	90.0	70-130		%REC	1	10/26/2012 4:22:55 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	3290	40.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-004 **Matrix:** AQUEOUS

Client Sample ID: MW-12
Collection Date: 10/16/2012 5:25:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	1100	50		mg/L	100	10/20/2012 2:22:09 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	ND	0.020		mg/L	1	10/24/2012 2:56:21 PM
Barium	0.70	0.020		mg/L	1	10/24/2012 2:56:21 PM
Manganese	0.040	0.0020		mg/L	1	10/24/2012 2:56:21 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	10/26/2012 4:53:32 AM
Toluene	ND	1.0		µg/L	1	10/26/2012 4:53:32 AM
Ethylbenzene	ND	1.0		µg/L	1	10/26/2012 4:53:32 AM
Xylenes, Total	ND	2.0		µg/L	1	10/26/2012 4:53:32 AM
Surr: 1,2-Dichloroethane-d4	105	70-130		%REC	1	10/26/2012 4:53:32 AM
Surr: 4-Bromofluorobenzene	96.8	70-130		%REC	1	10/26/2012 4:53:32 AM
Surr: Dibromofluoromethane	101	70-130		%REC	1	10/26/2012 4:53:32 AM
Surr: Toluene-d8	88.5	70-130		%REC	1	10/26/2012 4:53:32 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	2320	40.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-005 **Matrix:** AQUEOUS

Client Sample ID: MW-11
Collection Date: 10/16/2012 6:10:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	4400	250		mg/L	500	10/23/2012 6:21:22 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.82	0.020		mg/L	1	10/24/2012 3:00:54 PM
Barium	5.3	0.20		mg/L	10	10/24/2012 4:43:04 PM
Manganese	0.99	0.0020		mg/L	1	10/24/2012 3:00:54 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	460	10		µg/L	10	10/26/2012 5:24:13 AM
Toluene	ND	10		µg/L	10	10/26/2012 5:24:13 AM
Ethylbenzene	34	10		µg/L	10	10/26/2012 5:24:13 AM
Xylenes, Total	770	20		µg/L	10	10/26/2012 5:24:13 AM
Surr: 1,2-Dichloroethane-d4	118	70-130		%REC	10	10/26/2012 5:24:13 AM
Surr: 4-Bromofluorobenzene	103	70-130		%REC	10	10/26/2012 5:24:13 AM
Surr: Dibromofluoromethane	111	70-130		%REC	10	10/26/2012 5:24:13 AM
Surr: Toluene-d8	86.0	70-130		%REC	10	10/26/2012 5:24:13 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	8340	200		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-006 **Matrix:** AQUEOUS

Client Sample ID: MW-11 Dup
Collection Date: 10/16/2012 6:10:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	4400	250		mg/L	500	10/23/2012 6:33:47 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.83	0.020		mg/L	1	10/24/2012 3:07:09 PM
Barium	5.3	0.20		mg/L	10	10/24/2012 4:45:20 PM
Manganese	0.94	0.0020		mg/L	1	10/24/2012 3:07:09 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	430	10		µg/L	10	10/26/2012 6:25:37 AM
Toluene	ND	10		µg/L	10	10/26/2012 6:25:37 AM
Ethylbenzene	32	10		µg/L	10	10/26/2012 6:25:37 AM
Xylenes, Total	760	20		µg/L	10	10/26/2012 6:25:37 AM
Surr: 1,2-Dichloroethane-d4	110	70-130		%REC	10	10/26/2012 6:25:37 AM
Surr: 4-Bromofluorobenzene	112	70-130		%REC	10	10/26/2012 6:25:37 AM
Surr: Dibromofluoromethane	106	70-130		%REC	10	10/26/2012 6:25:37 AM
Surr: Toluene-d8	89.4	70-130		%REC	10	10/26/2012 6:25:37 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	7860	200		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-007 **Matrix:** AQUEOUS

Client Sample ID: SVE-5
Collection Date: 10/17/2012 5:00:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	3500	250		mg/L	500	10/23/2012 6:46:12 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.26	0.020		mg/L	1	10/24/2012 3:18:33 PM
Barium	1.6	0.10		mg/L	5	10/24/2012 3:20:50 PM
Manganese	ND	0.0020		mg/L	1	10/24/2012 3:18:33 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	470	10	P	µg/L	10	10/29/2012 11:32:45 AM
Toluene	1700	100	P	µg/L	100	10/29/2012 12:34:15 PM
Ethylbenzene	73	10	P	µg/L	10	10/29/2012 11:32:45 AM
Xylenes, Total	1700	200	P	µg/L	100	10/29/2012 12:34:15 PM
Surr: 1,2-Dichloroethane-d4	97.3	70-130	P	%REC	10	10/29/2012 11:32:45 AM
Surr: 4-Bromofluorobenzene	98.2	70-130	P	%REC	10	10/29/2012 11:32:45 AM
Surr: Dibromofluoromethane	90.4	70-130	P	%REC	10	10/29/2012 11:32:45 AM
Surr: Toluene-d8	103	70-130	P	%REC	10	10/29/2012 11:32:45 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	10900	100		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-008 **Matrix:** AQUEOUS

Client Sample ID: SVE-6
Collection Date: 10/17/2012 4:40:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	1800	50		mg/L	100	10/19/2012 9:26:41 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.26	0.020		mg/L	1	10/24/2012 3:23:06 PM
Barium	0.17	0.020		mg/L	1	10/24/2012 3:23:06 PM
Manganese	ND	0.0020		mg/L	1	10/24/2012 3:23:06 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	150	10	P	µg/L	10	10/26/2012 7:54:32 PM
Toluene	300	10	P	µg/L	10	10/26/2012 7:54:32 PM
Ethylbenzene	ND	10	P	µg/L	10	10/26/2012 7:54:32 PM
Xylenes, Total	130	20	P	µg/L	10	10/26/2012 7:54:32 PM
Surr: 1,2-Dichloroethane-d4	108	70-130	P	%REC	10	10/26/2012 7:54:32 PM
Surr: 4-Bromofluorobenzene	95.5	70-130	P	%REC	10	10/26/2012 7:54:32 PM
Surr: Dibromofluoromethane	105	70-130	P	%REC	10	10/26/2012 7:54:32 PM
Surr: Toluene-d8	89.8	70-130	P	%REC	10	10/26/2012 7:54:32 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	7440	100		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-009 **Matrix:** AQUEOUS

Client Sample ID: MW-7
Collection Date: 10/17/2012 10:50:00 AM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	520	50		mg/L	100	10/19/2012 9:51:31 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	ND	0.10		mg/L	5	10/24/2012 3:29:52 PM
Barium	0.085	0.020		mg/L	1	10/24/2012 3:27:36 PM
Manganese	3.3	0.010		mg/L	5	10/24/2012 3:29:52 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	10/26/2012 8:56:06 PM
Toluene	ND	1.0		µg/L	1	10/26/2012 8:56:06 PM
Ethylbenzene	ND	1.0		µg/L	1	10/26/2012 8:56:06 PM
Xylenes, Total	ND	2.0		µg/L	1	10/26/2012 8:56:06 PM
Surr: 1,2-Dichloroethane-d4	112	70-130		%REC	1	10/26/2012 8:56:06 PM
Surr: 4-Bromofluorobenzene	97.8	70-130		%REC	1	10/26/2012 8:56:06 PM
Surr: Dibromofluoromethane	104	70-130		%REC	1	10/26/2012 8:56:06 PM
Surr: Toluene-d8	98.9	70-130		%REC	1	10/26/2012 8:56:06 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	5210	40.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-010 **Matrix:** AQUEOUS

Client Sample ID: SVE-2
Collection Date: 10/17/2012 11:30:00 AM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	420	50		mg/L	100	10/19/2012 10:16:21 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.10	0.020		mg/L	1	10/24/2012 3:32:09 PM
Barium	0.026	0.020		mg/L	1	10/24/2012 3:32:09 PM
Manganese	0.13	0.0020		mg/L	1	10/24/2012 3:32:09 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	6.9	1.0		µg/L	1	10/26/2012 9:26:48 PM
Toluene	2.3	1.0		µg/L	1	10/26/2012 9:26:48 PM
Ethylbenzene	ND	1.0		µg/L	1	10/26/2012 9:26:48 PM
Xylenes, Total	ND	2.0		µg/L	1	10/26/2012 9:26:48 PM
Surr: 1,2-Dichloroethane-d4	113	70-130		%REC	1	10/26/2012 9:26:48 PM
Surr: 4-Bromofluorobenzene	97.7	70-130		%REC	1	10/26/2012 9:26:48 PM
Surr: Dibromofluoromethane	107	70-130		%REC	1	10/26/2012 9:26:48 PM
Surr: Toluene-d8	108	70-130		%REC	1	10/26/2012 9:26:48 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	1190	20.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-011 **Matrix:** AQUEOUS

Client Sample ID: Water "Well
Collection Date: 10/17/2012 12:35:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	110	10		mg/L	20	10/20/2012 5:15:55 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	ND	0.020		mg/L	1	10/24/2012 3:36:42 PM
Barium	ND	0.020		mg/L	1	10/24/2012 3:36:42 PM
Manganese	0.017	0.0020		mg/L	1	10/24/2012 3:36:42 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	10/26/2012 9:57:30 PM
Toluene	ND	1.0		µg/L	1	10/26/2012 9:57:30 PM
Ethylbenzene	ND	1.0		µg/L	1	10/26/2012 9:57:30 PM
Xylenes, Total	ND	2.0		µg/L	1	10/26/2012 9:57:30 PM
Surr: 1,2-Dichloroethane-d4	106	70-130		%REC	1	10/26/2012 9:57:30 PM
Surr: 4-Bromofluorobenzene	102	70-130		%REC	1	10/26/2012 9:57:30 PM
Surr: Dibromofluoromethane	96.2	70-130		%REC	1	10/26/2012 9:57:30 PM
Surr: Toluene-d8	103	70-130		%REC	1	10/26/2012 9:57:30 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	893	20.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-012 **Matrix:** AQUEOUS

Client Sample ID: MW-14
Collection Date: 10/17/2012 2:25:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	150	5.0		mg/L	10	10/19/2012 10:28:46 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	ND	0.020		mg/L	1	10/24/2012 3:50:47 PM
Barium	0.079	0.020		mg/L	1	10/24/2012 3:50:47 PM
Manganese	0.079	0.0020		mg/L	1	10/24/2012 3:50:47 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	10/27/2012 12:30:55 AM
Toluene	ND	1.0		µg/L	1	10/27/2012 12:30:55 AM
Ethylbenzene	ND	1.0		µg/L	1	10/27/2012 12:30:55 AM
Xylenes, Total	ND	2.0		µg/L	1	10/27/2012 12:30:55 AM
Surr: 1,2-Dichloroethane-d4	108	70-130		%REC	1	10/27/2012 12:30:55 AM
Surr: 4-Bromofluorobenzene	95.4	70-130		%REC	1	10/27/2012 12:30:55 AM
Surr: Dibromofluoromethane	98.4	70-130		%REC	1	10/27/2012 12:30:55 AM
Surr: Toluene-d8	92.2	70-130		%REC	1	10/27/2012 12:30:55 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	1570	20.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH greater than 2
RL	Reporting Detection Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-013 **Matrix:** AQUEOUS

Client Sample ID: MW-5
Collection Date: 10/17/2012 3:15:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	1200	50		mg/L	100	10/19/2012 11:05:59 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.088	0.020		mg/L	1	10/24/2012 3:55:20 PM
Barium	0.059	0.020		mg/L	1	10/24/2012 3:55:20 PM
Manganese	0.021	0.0020		mg/L	1	10/24/2012 3:55:20 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	13	1.0		µg/L	1	10/27/2012 1:01:38 AM
Toluene	20	1.0		µg/L	1	10/27/2012 1:01:38 AM
Ethylbenzene	1.5	1.0		µg/L	1	10/27/2012 1:01:38 AM
Xylenes, Total	19	2.0		µg/L	1	10/27/2012 1:01:38 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%REC	1	10/27/2012 1:01:38 AM
Surr: 4-Bromofluorobenzene	101	70-130		%REC	1	10/27/2012 1:01:38 AM
Surr: Dibromofluoromethane	101	70-130		%REC	1	10/27/2012 1:01:38 AM
Surr: Toluene-d8	108	70-130		%REC	1	10/27/2012 1:01:38 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	2930	40.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-014 **Matrix:** AQUEOUS

Client Sample ID: MW-6
Collection Date: 10/17/2012 3:50:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	1600	50		mg/L	100	10/20/2012 2:49:20 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.062	0.020		mg/L	1	10/24/2012 3:57:28 PM
Barium	0.17	0.020		mg/L	1	10/24/2012 3:57:28 PM
Manganese	0.0029	0.0020		mg/L	1	10/24/2012 3:57:28 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	19	1.0		µg/L	1	10/27/2012 1:32:22 AM
Toluene	24	1.0		µg/L	1	10/27/2012 1:32:22 AM
Ethylbenzene	6.6	1.0		µg/L	1	10/27/2012 1:32:22 AM
Xylenes, Total	16	2.0		µg/L	1	10/27/2012 1:32:22 AM
Surr: 1,2-Dichloroethane-d4	99.0	70-130		%REC	1	10/27/2012 1:32:22 AM
Surr: 4-Bromofluorobenzene	96.1	70-130		%REC	1	10/27/2012 1:32:22 AM
Surr: Dibromofluoromethane	92.9	70-130		%REC	1	10/27/2012 1:32:22 AM
Surr: Toluene-d8	112	70-130		%REC	1	10/27/2012 1:32:22 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	3560	40.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-015 **Matrix:** AQUEOUS

Client Sample ID: MW-2
Collection Date: 10/17/2012 9:30:00 AM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	240	50		mg/L	100	10/19/2012 11:55:38 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.10	0.020		mg/L	1	10/24/2012 4:01:58 PM
Barium	0.42	0.020		mg/L	1	10/24/2012 4:01:58 PM
Manganese	0.17	0.0020		mg/L	1	10/24/2012 4:01:58 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	2.0	1.0		µg/L	1	10/27/2012 2:03:05 AM
Toluene	ND	1.0		µg/L	1	10/27/2012 2:03:05 AM
Ethylbenzene	ND	1.0		µg/L	1	10/27/2012 2:03:05 AM
Xylenes, Total	ND	2.0		µg/L	1	10/27/2012 2:03:05 AM
Surr: 1,2-Dichloroethane-d4	96.9	70-130		%REC	1	10/27/2012 2:03:05 AM
Surr: 4-Bromofluorobenzene	84.1	70-130		%REC	1	10/27/2012 2:03:05 AM
Surr: Dibromofluoromethane	92.4	70-130		%REC	1	10/27/2012 2:03:05 AM
Surr: Toluene-d8	107	70-130		%REC	1	10/27/2012 2:03:05 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	708	40.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-016 **Matrix:** AQUEOUS

Client Sample ID: MW-1
Collection Date: 10/17/2012 10:30:00 AM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	1800	50		mg/L	100	10/20/2012 12:20:27 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.075	0.020		mg/L	1	10/24/2012 4:04:05 PM
Barium	0.20	0.020		mg/L	1	10/24/2012 4:04:05 PM
Manganese	0.10	0.0020		mg/L	1	10/24/2012 4:04:05 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	5.0	1.0		µg/L	1	10/27/2012 2:33:47 AM
Toluene	2.0	1.0		µg/L	1	10/27/2012 2:33:47 AM
Ethylbenzene	ND	1.0		µg/L	1	10/27/2012 2:33:47 AM
Xylenes, Total	ND	2.0		µg/L	1	10/27/2012 2:33:47 AM
Surr: 1,2-Dichloroethane-d4	108	70-130		%REC	1	10/27/2012 2:33:47 AM
Surr: 4-Bromofluorobenzene	99.4	70-130		%REC	1	10/27/2012 2:33:47 AM
Surr: Dibromofluoromethane	98.8	70-130		%REC	1	10/27/2012 2:33:47 AM
Surr: Toluene-d8	102	70-130		%REC	1	10/27/2012 2:33:47 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	3750	40.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-017 **Matrix:** AQUEOUS

Client Sample ID: SVE-7
Collection Date: 10/17/2012 11:30:00 AM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	2400	250		mg/L	500	10/23/2012 6:58:36 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.14	0.020		mg/L	1	10/24/2012 4:19:34 PM
Barium	0.39	0.020		mg/L	1	10/24/2012 4:19:34 PM
Manganese	0.025	0.0020		mg/L	1	10/24/2012 4:19:34 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	25	1.0		µg/L	1	10/27/2012 3:04:27 AM
Toluene	3.2	1.0		µg/L	1	10/27/2012 3:04:27 AM
Ethylbenzene	ND	1.0		µg/L	1	10/27/2012 3:04:27 AM
Xylenes, Total	5.4	2.0		µg/L	1	10/27/2012 3:04:27 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	1	10/27/2012 3:04:27 AM
Surr: 4-Bromofluorobenzene	100	70-130		%REC	1	10/27/2012 3:04:27 AM
Surr: Dibromofluoromethane	94.6	70-130		%REC	1	10/27/2012 3:04:27 AM
Surr: Toluene-d8	94.4	70-130		%REC	1	10/27/2012 3:04:27 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	5070	100		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-018 **Matrix:** AQUEOUS

Client Sample ID: SVE-11
Collection Date: 10/17/2012 1:40:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	1600	50		mg/L	100	10/20/2012 1:10:05 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.32	0.020		mg/L	1	10/24/2012 4:21:52 PM
Barium	0.24	0.020		mg/L	1	10/24/2012 4:21:52 PM
Manganese	0.0024	0.0020		mg/L	1	10/24/2012 4:21:52 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	300	10	P	µg/L	10	10/27/2012 3:35:05 AM
Toluene	890	10	P	µg/L	10	10/27/2012 3:35:05 AM
Ethylbenzene	38	10	P	µg/L	10	10/27/2012 3:35:05 AM
Xylenes, Total	750	20	P	µg/L	10	10/27/2012 3:35:05 AM
Surr: 1,2-Dichloroethane-d4	113	70-130	P	%REC	10	10/27/2012 3:35:05 AM
Surr: 4-Bromofluorobenzene	99.4	70-130	P	%REC	10	10/27/2012 3:35:05 AM
Surr: Dibromofluoromethane	111	70-130	P	%REC	10	10/27/2012 3:35:05 AM
Surr: Toluene-d8	99.4	70-130	P	%REC	10	10/27/2012 3:35:05 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	5650	40.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-019 **Matrix:** AQUEOUS

Client Sample ID: SVE-11 Dup
Collection Date: 10/17/2012 10:40:00 AM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	1700	50		mg/L	100	10/20/2012 1:34:53 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.37	0.020		mg/L	1	10/24/2012 4:24:05 PM
Barium	0.23	0.020		mg/L	1	10/24/2012 4:24:05 PM
Manganese	0.0024	0.0020		mg/L	1	10/24/2012 4:24:05 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	290	10	P	µg/L	10	10/27/2012 4:36:26 AM
Toluene	740	10	P	µg/L	10	10/27/2012 4:36:26 AM
Ethylbenzene	33	10	P	µg/L	10	10/27/2012 4:36:26 AM
Xylenes, Total	670	20	P	µg/L	10	10/27/2012 4:36:26 AM
Surr: 1,2-Dichloroethane-d4	98.1	70-130	P	%REC	10	10/27/2012 4:36:26 AM
Surr: 4-Bromofluorobenzene	99.0	70-130	P	%REC	10	10/27/2012 4:36:26 AM
Surr: Dibromofluoromethane	92.0	70-130	P	%REC	10	10/27/2012 4:36:26 AM
Surr: Toluene-d8	84.3	70-130	P	%REC	10	10/27/2012 4:36:26 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	5740	40.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH greater than 2
RL	Reporting Detection Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-020 **Matrix:** AQUEOUS

Client Sample ID: MW-8
Collection Date: 10/17/2012 2:45:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	850	50		mg/L	100	10/20/2012 3:14:09 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.21	0.020		mg/L	1	10/24/2012 4:27:06 PM
Barium	0.32	0.020		mg/L	1	10/24/2012 4:27:06 PM
Manganese	0.0048	0.0020		mg/L	1	10/24/2012 4:27:06 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	260	5.0		µg/L	5	10/27/2012 5:37:53 AM
Toluene	30	5.0		µg/L	5	10/27/2012 5:37:53 AM
Ethylbenzene	21	5.0		µg/L	5	10/27/2012 5:37:53 AM
Xylenes, Total	650	10		µg/L	5	10/27/2012 5:37:53 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	5	10/27/2012 5:37:53 AM
Surr: 4-Bromofluorobenzene	92.5	70-130		%REC	5	10/27/2012 5:37:53 AM
Surr: Dibromofluoromethane	94.8	70-130		%REC	5	10/27/2012 5:37:53 AM
Surr: Toluene-d8	100	70-130		%REC	5	10/27/2012 5:37:53 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	2990	40.0		mg/L	1	10/24/2012 10:24:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-021 **Matrix:** AQUEOUS

Client Sample ID: MW-9
Collection Date: 10/17/2012 3:50:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	2800	250		mg/L	500	10/23/2012 7:11:01 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.57	0.020		mg/L	1	10/24/2012 5:02:03 PM
Barium	6.5	0.20		mg/L	10	10/24/2012 5:06:37 PM
Manganese	0.022	0.0020		mg/L	1	10/24/2012 5:02:03 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	120	5.0		µg/L	5	10/27/2012 6:08:34 AM
Toluene	190	5.0		µg/L	5	10/27/2012 6:08:34 AM
Ethylbenzene	13	5.0		µg/L	5	10/27/2012 6:08:34 AM
Xylenes, Total	230	10		µg/L	5	10/27/2012 6:08:34 AM
Surr: 1,2-Dichloroethane-d4	107	70-130		%REC	5	10/27/2012 6:08:34 AM
Surr: 4-Bromofluorobenzene	89.9	70-130		%REC	5	10/27/2012 6:08:34 AM
Surr: Dibromofluoromethane	100	70-130		%REC	5	10/27/2012 6:08:34 AM
Surr: Toluene-d8	101	70-130		%REC	5	10/27/2012 6:08:34 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	6500	100		mg/L	1	10/25/2012 9:00:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-022 **Matrix:** AQUEOUS

Client Sample ID: MW-10
Collection Date: 10/17/2012 4:45:00 PM
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	3600	250		mg/L	500	10/23/2012 7:23:25 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**
Arsenic	0.22	0.020		mg/L	1	10/24/2012 5:08:53 PM
Barium	14	0.40		mg/L	20	10/24/2012 5:13:32 PM
Manganese	0.92	0.0020		mg/L	1	10/24/2012 5:08:53 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	31	1.0		µg/L	1	10/29/2012 1:04:58 PM
Toluene	1.2	1.0		µg/L	1	10/29/2012 1:04:58 PM
Ethylbenzene	5.6	1.0		µg/L	1	10/29/2012 1:04:58 PM
Xylenes, Total	22	2.0		µg/L	1	10/29/2012 1:04:58 PM
Surr: 1,2-Dichloroethane-d4	96.8	70-130		%REC	1	10/29/2012 1:04:58 PM
Surr: 4-Bromofluorobenzene	90.4	70-130		%REC	1	10/29/2012 1:04:58 PM
Surr: Dibromofluoromethane	89.5	70-130		%REC	1	10/29/2012 1:04:58 PM
Surr: Toluene-d8	106	70-130		%REC	1	10/29/2012 1:04:58 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	6520	100		mg/L	1	10/25/2012 9:00:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Bell Lake
Lab ID: 1210943-023 **Matrix:** AQUEOUS

Client Sample ID: Trip Blank
Collection Date:
Received Date: 10/19/2012 10:48:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	10/27/2012 7:40:31 AM
Toluene	ND	1.0		µg/L	1	10/27/2012 7:40:31 AM
Ethylbenzene	ND	1.0		µg/L	1	10/27/2012 7:40:31 AM
Xylenes, Total	ND	2.0		µg/L	1	10/27/2012 7:40:31 AM
Surr: 1,2-Dichloroethane-d4	116	70-130		%REC	1	10/27/2012 7:40:31 AM
Surr: 4-Bromofluorobenzene	98.9	70-130		%REC	1	10/27/2012 7:40:31 AM
Surr: Dibromofluoromethane	110	70-130		%REC	1	10/27/2012 7:40:31 AM
Surr: Toluene-d8	86.5	70-130		%REC	1	10/27/2012 7:40:31 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1210943**

05-Nov-12

Client: Cypress Engineering
Project: TWP Bell Lake

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R6385**	RunNo: **6385**							
Prep Date:	Analysis Date: **10/19/2012**	SeqNo: **183539**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R6385**	RunNo: **6385**							
Prep Date:	Analysis Date: **10/19/2012**	SeqNo: **183541**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.7	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R6385**	RunNo: **6385**							
Prep Date:	Analysis Date: **10/19/2012**	SeqNo: **183619**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R6385**	RunNo: **6385**							
Prep Date:	Analysis Date: **10/19/2012**	SeqNo: **183620**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	95.1	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R6392**	RunNo: **6392**							
Prep Date:	Analysis Date: **10/19/2012**	SeqNo: **183874**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R6392**	RunNo: **6392**							
Prep Date:	Analysis Date: **10/19/2012**	SeqNo: **183875**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	5.2	0.50	5.000	0	104	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R6436**	RunNo: **6436**							
Prep Date:	Analysis Date: **10/23/2012**	SeqNo: **184973**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1210943**

05-Nov-12

Client: Cypress Engineering

Project: TWP Bell Lake

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R6436**	RunNo: **6436**
Prep Date:	Analysis Date: **10/23/2012**	SeqNo: **184974** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.1	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R6436**	RunNo: **6436**
Prep Date:	Analysis Date: **10/23/2012**	SeqNo: **185021** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R6436**	RunNo: **6436**
Prep Date:	Analysis Date: **10/23/2012**	SeqNo: **185022** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.0	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1210943**

05-Nov-12

Client: Cypress Engineering

Project: TWP Bell Lake

Sample ID **5mlrb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R6502**	RunNo: **6502**
Prep Date:	Analysis Date: **10/25/2012**	SeqNo: **187468** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	9.4		10.00		93.8	70	130			
Surr: Toluene-d8	9.1		10.00		90.8	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R6502**	RunNo: **6502**
Prep Date:	Analysis Date: **10/25/2012**	SeqNo: **187472** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	94.3	70	130			
Toluene	23	1.0	20.00	0	114	80	120			
Surr: 1,2-Dichloroethane-d4	11		10.00		110	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		104	70	130			
Surr: Dibromofluoromethane	10		10.00		100	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID **5ml rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R6530**	RunNo: **6530**
Prep Date:	Analysis Date: **10/26/2012**	SeqNo: **188643** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 1,2-Dichloroethane-d4	11		10.00		111	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		113	70	130			
Surr: Dibromofluoromethane	11		10.00		105	70	130			
Surr: Toluene-d8	9.7		10.00		96.9	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R6530**	RunNo: **6530**
Prep Date:	Analysis Date: **10/26/2012**	SeqNo: **188645** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	96.2	70	130			
Toluene	20	1.0	20.00	0	98.4	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1210943**

05-Nov-12

Client: Cypress Engineering

Project: TWP Bell Lake

Sample ID **100ng lcs**	SampType: **LCS**			TestCode: **EPA Method 8260: Volatiles Short List**					
Client ID: **LCSW**	Batch ID: **R6530**			RunNo: **6530**					
Prep Date:	Analysis Date: **10/26/2012**			SeqNo: **188645**		Units: **µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		113	70	130			
Surr: Dibromofluoromethane	9.5		10.00		94.5	70	130			
Surr: Toluene-d8	8.9		10.00		88.7	70	130			

Sample ID **5ml rb**	SampType: **MBLK**			TestCode: **EPA Method 8260: Volatiles Short List**					
Client ID: **PBW**	Batch ID: **R6561**			RunNo: **6561**					
Prep Date:	Analysis Date: **10/29/2012**			SeqNo: **189563**		Units: **µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.6	70	130			
Surr: Toluene-d8	9.3		10.00		93.1	70	130			

Sample ID **100ng lcs**	SampType: **LCS**			TestCode: **EPA Method 8260: Volatiles Short List**					
Client ID: **LCSW**	Batch ID: **R6561**			RunNo: **6561**					
Prep Date:	Analysis Date: **10/29/2012**			SeqNo: **189564**		Units: **µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	70	130			
Toluene	21	1.0	20.00	0	107	80	120			
Surr: 1,2-Dichloroethane-d4	11		10.00		111	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.1	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	11		10.00		108	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1210943**

05-Nov-12

Client: Cypress Engineering

Project: TWP Bell Lake

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R6462**	RunNo: **6462**
Prep Date:	Analysis Date: **10/24/2012**	SeqNo: **185744** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.020								
Barium	ND	0.020								
Manganese	ND	0.0020								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R6462**	RunNo: **6462**
Prep Date:	Analysis Date: **10/24/2012**	SeqNo: **185745** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.53	0.020	0.5000	0	106	80	120			
Barium	0.50	0.020	0.5000	0	101	80	120			
Manganese	0.49	0.0020	0.5000	0	98.2	80	120			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R6462**	RunNo: **6462**
Prep Date:	Analysis Date: **10/24/2012**	SeqNo: **185804** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
enic	ND	0.020								
Barium	ND	0.020								
Manganese	ND	0.0020								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R6462**	RunNo: **6462**
Prep Date:	Analysis Date: **10/24/2012**	SeqNo: **185805** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.52	0.020	0.5000	0	104	80	120			
Barium	0.51	0.020	0.5000	0	103	80	120			
Manganese	0.51	0.0020	0.5000	0	103	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1210943**

05-Nov-12

Client: Cypress Engineering

Project: TWP Bell Lake

Sample ID **MB-4449**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **4449**	RunNo: **6442**
Prep Date: **10/22/2012**	Analysis Date: **10/24/2012**	SeqNo: **185281** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID **LCS-4449**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **4449**	RunNo: **6442**
Prep Date: **10/22/2012**	Analysis Date: **10/24/2012**	SeqNo: **185282** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	6.000	101	80	120			

Sample ID **MB-4481**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **4481**	RunNo: **6469**
Prep Date: **10/23/2012**	Analysis Date: **10/25/2012**	SeqNo: **186174** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID **LCS-4481**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **4481**	RunNo: **6469**
Prep Date: **10/23/2012**	Analysis Date: **10/25/2012**	SeqNo: **186175** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: CYP Work Order Number: 1210943

Received by/date: AG 10/19/12

Logged By: **Anne Thorne** 10/19/2012 10:48:00 AM Anne Thorne

Completed By: **Anne Thorne** 10/19/2012 Anne Thorne

Reviewed By: no labeled AT checked JK 10/19/12

Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☑
2. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
3. How was the sample delivered? UPS

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☑ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☑ No ☒ IO 10/19 NA ☐
    Added 0.4mL to samples 007c, 008c, 018c and 019c for acceptable pH. HNO3
11. VOA vials have zero headspace? Yes ☑ No ☐ No VOA Vials ☐
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: 22 (<2 or >12 unless noted)
Adjusted? _____
Checked by: IO

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

18. Additional remarks:

19. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: Cypress Engineering Services
7171 Hwy 6 North Ste 102
Mailing Address:
Houston, TX 77095
Phone #: 281-997-3421
email or Fax#:
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____
Project Name: Transwestern Pipeline Company Bell Lake
Project #: TWP Bell Lake
Project Manager: George Robinson
Sampler:
On Ice:
Sample Temperature:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1210943	Analysis Request: BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	TDS, Cl	Dissolved Metals, As, Ba, Mn
10/16/12	1435	W	MW-16	3-40ml 1-250ml 1-125ml	HCl & HNO3	-001	X											X	X
	1535		MW-13	"	"	-002	X											X	X
	1629		MW-15	"	"	-003	X											X	X
	1725		MW-12	"	"	-004	X											X	X
	1810		MW-11	"	"	-005	X											X	X
	1810		MW-11 DUP	"	"	-006	X											X	X
10/17/12	~~1215~~	H2O	~~MW-13~~ SVE-5	"	"	-007	X											X	X
	~~1650~~	W	SVE-6	"	"	-008	X											X	X
	1050	"	MW-7	"	"	-009	X											X	X
	1130	"	SVE-2	"	"	-010	X											X	X
	1235	"	WATER WELL	"	"	-011	X											X	X
	1415	"	MW-14	"	"	-012	X											X	X

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/18/12	1000			10/19/12	1048
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

essary, samples submitted to Hall Environmental may be subcontracted to other accredited labora This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the ar al report.

Chain-of-Custody Record

Client: CYPRESS ENGINEERING SERVICES

Mailing Address: 7171 Hwy 6 North Ste 102 Houston, Texas 77095

Phone #: 281.797.3421

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: TRANSWESTERN PIPELINE COMPANY BELL LAKE

Project #: TWP BELL LAKE

Project Manager: GEORGE ROBINSON

Sampler: SAM SHARP

On Ice: [illegible]

Sample Temperature: [illegible]

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	TDS, Cl	Dissolved Metals Ag, Ba, Mn			
10/11/12	1515	W	MW-5	3/40ml 1/250ml 1/125ml	HCl & HNO3	-013	X											X	X			
	1550		MW-6	"	"	-014	X											X	X			
	0930		MW-2	"	"	-015	X											X	X			
	1030		MW-1	"	"	-016	X											X	X			
	1130		SVE-7	"	"	-017	X											X	X			
	1340		SVE-11	"	"	-018	X											X	X			
	1340		SVE-11 DUP	"	"	-019	X											X	X			
	1445		MW-8	"	"	-020	X											X	X			
	1550		MW-9	"	"	-021	X											X	X			
	1645		MW-10	"	"	-022	X											X	X			
—	—		TRIP BLANK	2/40ml	HCl	-023	X															

Date: 10/12 Time: 1000 Relinquished by: [signature]

Date: Time: Relinquished by:

Received by: [signature] Date: 10/19/12 Time: 1048

Received by: Date: Time:

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility.