

3R – 311

2008 AGWMR

04 / 05 / 2009

Site Summary Report

Site Name: Davis 1

Reporting Period: 2008

Location: Unit E, Sec 11, Twn 31N, Rng 12W

Canyon: Farmington Glade

Operator: Burlington

Vulnerable Class: Expanded

OCD Ranking: 30

Lead Agency: NMOCD

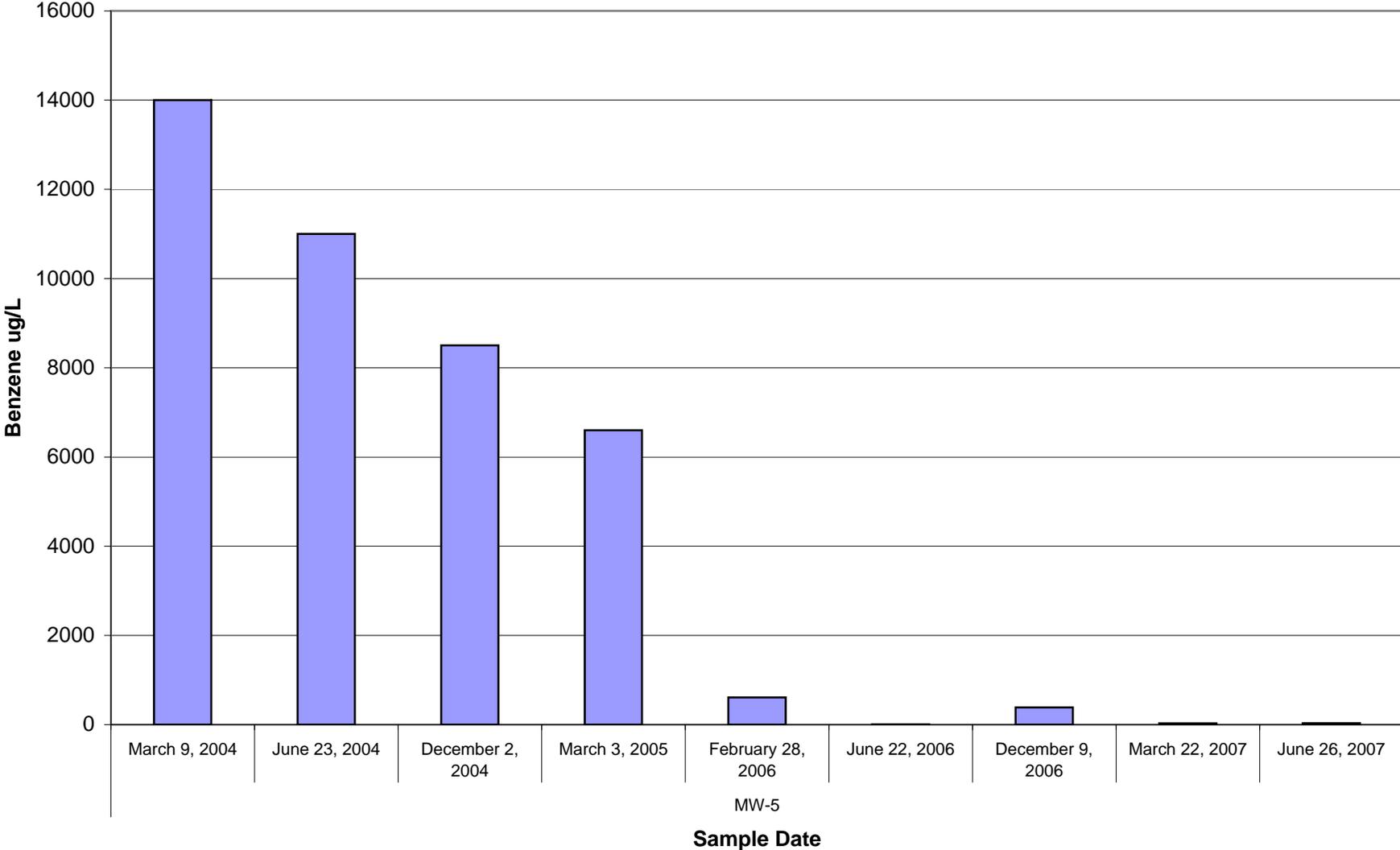
Status Narrative

Contaminant concentrations continue to diminish following soil removal actions performed by Burlington in 2005. LNAPL reappeared in MW-2 and free product removal resumed in 2008. MW-2 and MW-5 continue to be the only wells with detectable BTEX.

This site now has six monitoring wells and thirty-six quarters of ground water monitoring to date. The dissolved total BTEX level in downgradient well MW-5 has dropped from a high of 11,790 ppb in the first quarter 2005 to 733.2 ppb in the fourth quarter of 2006, and less than 100 ppb in 2007. Monitoring of this well was not performed in 2008 as there appears to be some damage preventing collection of samples. Concentrations of BTEX in well MW-4, which lies approximately 7 meters further downgradient of the source area than MW-5, continues to show no detectable BTEX for the monitoring period. In addition, sentinel wells, MW-6 and MW-7, also have no measureable BTEX. Analytical results are provided in the attached summary table with lab reports retained in the project files to be submitted with the closure request.

Ground water flows west-northwest with an average hydraulic gradient of 0.006. No significant seasonal variations in flow direction or gradient occur. Figure 2 shows the potentiometric surface for two of the quarterly sampling events. The hydrograph illustrates an overall decrease in water table elevation over the last several years. Monitored natural attenuation appears effective for this site and clean closure is likely.

Davis #1 MW-5



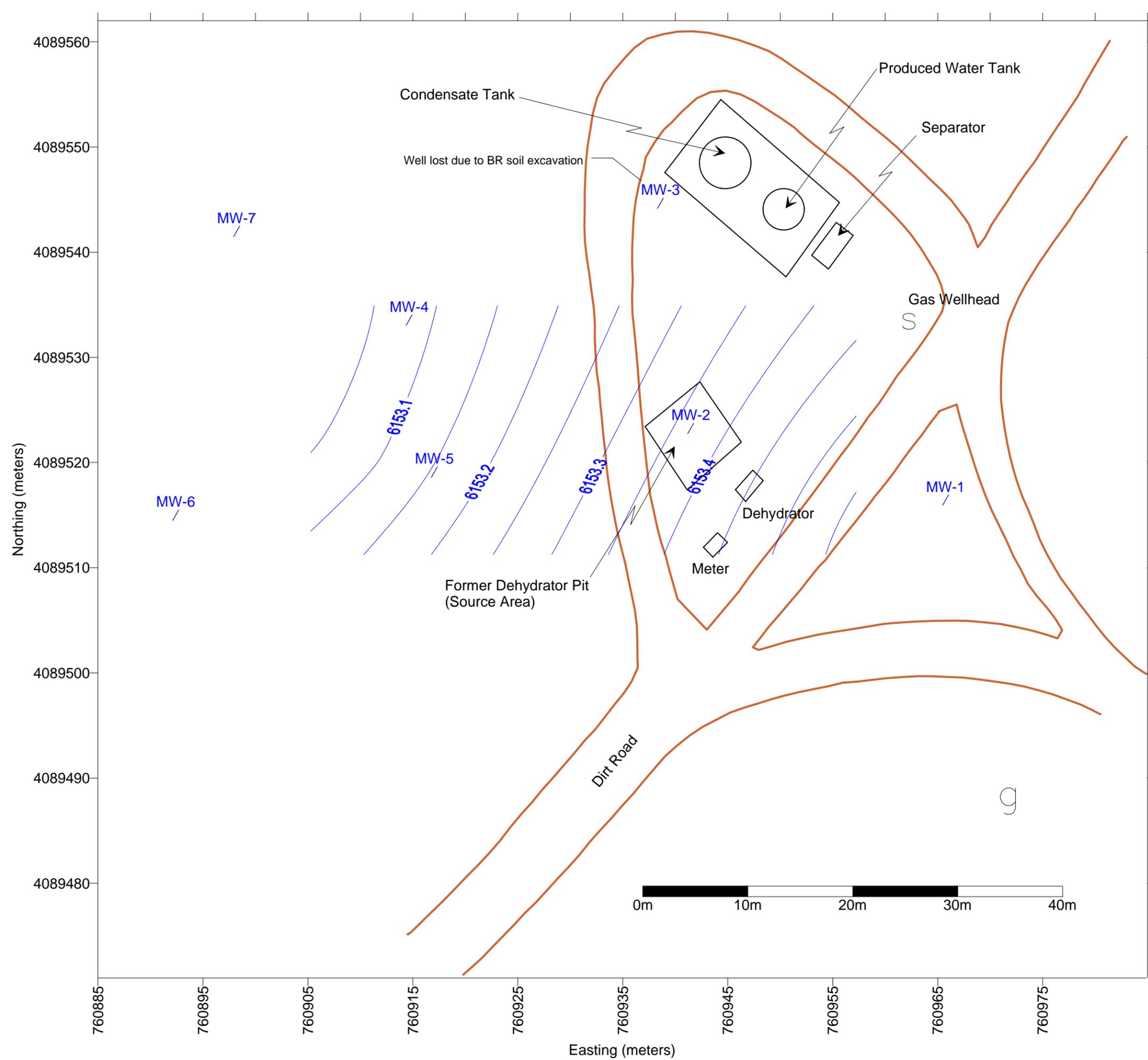
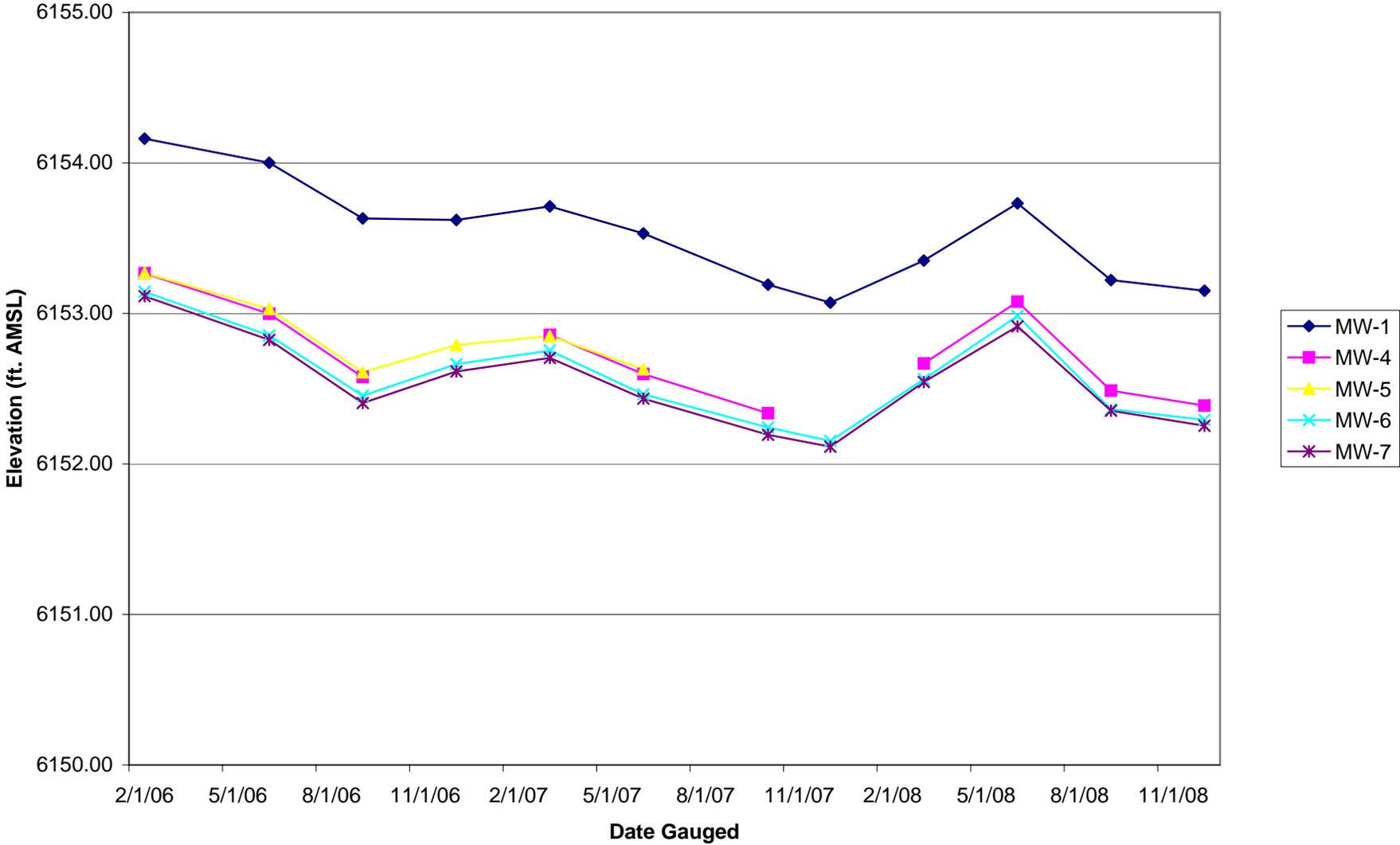


Figure 2
Potentiometric
Surface Map
Davis #1
(June 2008)

LEGEND	
MW-2 /	Monitoring Well
— 5585.20 —	Ground Water Elevation (ft. AMSL)

Davis #1 2008 Hydrograph



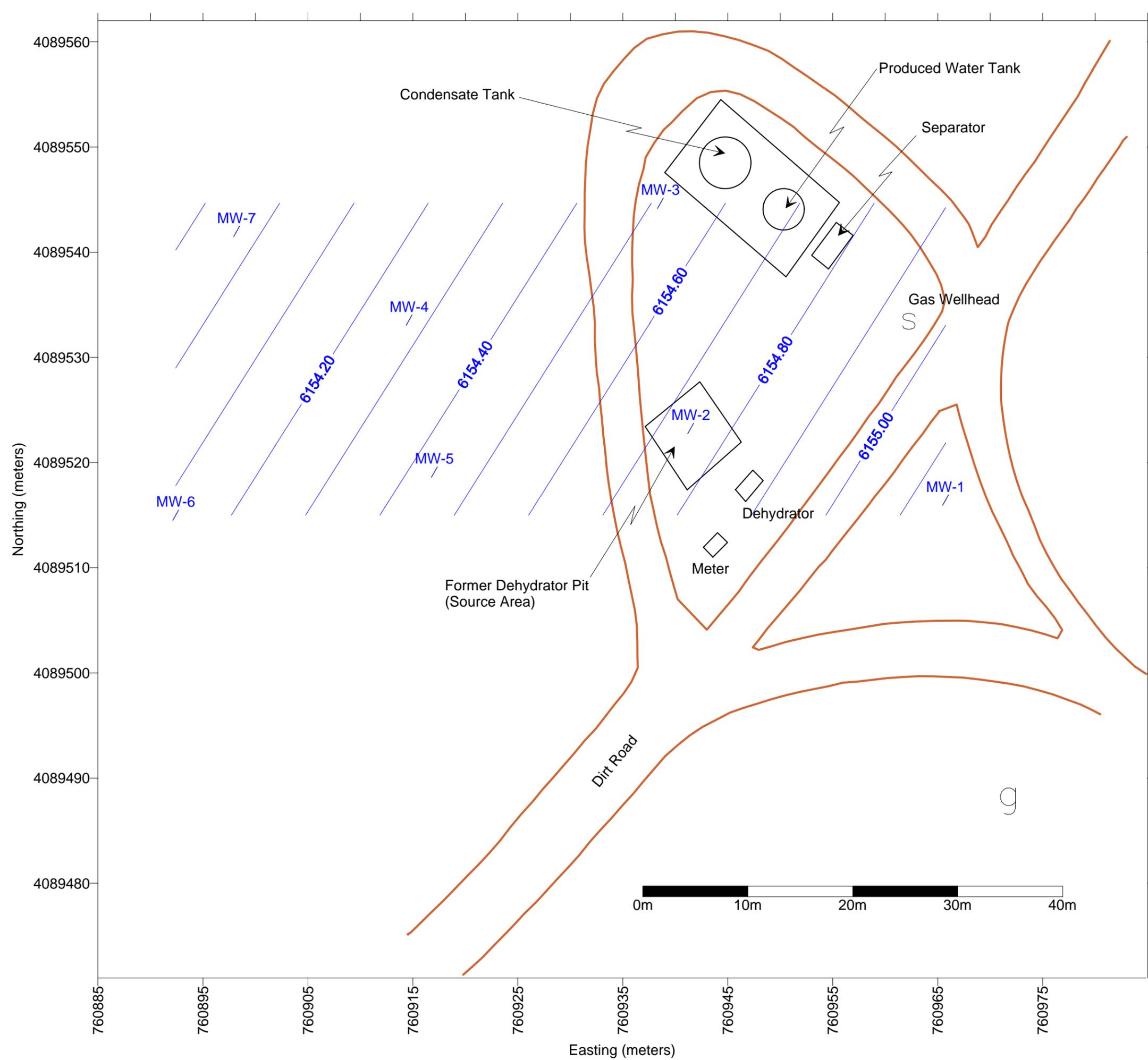


Figure 2
Potentiometric
Surface Map
Davis #1
(December 2008)

LEGEND	
MW-2 /	Monitoring Well
— 5585.20 —	Ground Water Elevation (ft. AMSL)

Analytical Data Summary

Site Name:

Davis 1

Reporting Period:

1/1/2006 To 12/31/2008

Well ID	Sample Date	Sample ID	Benzene ug/l	Toluene ug/l	Ethylbenzene ug/l	Xylene (Total) ug/l
MW-1						
	2/28/2006	135428FEB06	ND	ND	ND	ND
	12/9/2006	115909DEC06	<1.0	<1.0	<1.0	<3.0
	3/22/2007	180022MAR07	<1.0	<1.0	<1.0	<3.0
	6/26/2007	140326JUN07	<1.0	<1.0	<1.0	<3.0
	10/6/2007	120006OCT07	<1.0	<1.0	<1.0	<3.0
	12/19/2007	112119DEC07	<1.0	<1.0	<1.0	<3.0
	3/26/2008	130526MAR08	<1.0	<1.0	<1.0	<3.0
	6/10/2008	162010JUN08	<1.0	<1.0	<1.0	<3.0
	9/18/2008	162819SEP08	<1.0	<1.0	<1.0	<3.0
	12/4/2008	142904DEC08	<1.0	<1.0	<1.0	<3.0
MW-4						
	2/28/2006	143428FEB06	ND	ND	ND	ND
	6/22/2006	122922JUN06	<1.0	<1.0	<1.0	<3.0
	3/22/2007	185022MAR07	<1.0	<1.0	<1.0	<3.0
	6/26/2007	141826JUN07	<1.0	<1.0	<1.0	<3.0
	10/6/2007	121506OCT07	<1.0	<1.0	<1.0	<3.0
	3/26/2008	132226MAR08	<1.0	<1.0	<1.0	<3.0
	6/10/2008	163310JUN08	<1.0	<1.0	<1.0	<3.0
	9/18/2008	164219SEP08	<1.0	<1.0	<1.0	<3.0
	12/4/2008	144704DEC08	<1.0	<1.0	<1.0	<3.0
MW-5						
	2/28/2006	150728FEB06	609	556	72.4	997
	6/22/2006	130222JUN06	6.6	1.0	<1.0	<3.0
	12/9/2006	130809DEC06	384	110	18.2	221
	3/22/2007	190622MAR07	29.9	2.5	1.1	31.8
	6/26/2007	150526JUN07	32.4	12.3	2.7	14.6

Site Name:

Davis 1

Reporting Period:

1/1/2006 To 12/31/2008

Well ID	Sample Date	Sample ID	Benzene ug/l	Toluene ug/l	Ethylbenzene ug/l	Xylene (Total) ug/l
MW-6						
	2/28/2006	140928FEB06	ND	ND	ND	ND
	6/22/2006	121422JUN06	<1.0	<1.0	<1.0	<3.0
	12/9/2006	123409DEC06	<1.0	<1.0	<1.0	<3.0
	3/22/2007	181622MAR07	<1.0	<1.0	<1.0	<3.0
	6/26/2007	144626JUN07	<1.0	<1.0	<1.0	<3.0
	10/6/2007	124006OCT07	<1.0	<1.0	<1.0	<3.0
	12/19/2007	114319DEC07	<1.0	<1.0	<1.0	<3.0
	3/26/2008	134926MAR08	<1.0	<1.0	<1.0	<3.0
	6/10/2008	170410JUN08	<1.0	<1.0	<1.0	<3.0
	9/18/2008	171619SEP08	<1.0	<1.0	<1.0	<3.0
	12/4/2008	151804DEC08	<1.0	<1.0	<1.0	<3.0
MW-7						
	2/28/2006	142328FEB06	ND	ND	ND	ND
	6/22/2006	115922JUN06	<1.0	<1.0	<1.0	<3.0
	12/9/2006	121609DEC06	<1.0	<1.0	<1.0	<3.0
	3/22/2007	183022MAR07	<1.0	<1.0	<1.0	<3.0
	6/26/2007	143126JUN07	<1.0	<1.0	<1.0	<3.0
	10/6/2007	122606OCT07	<1.0	<1.0	<1.0	<3.0
	12/19/2007	120219DEC07	<1.0	<1.0	<1.0	<3.0
	3/26/2008	133226MAR08	<1.0	<1.0	<1.0	<3.0
	6/10/2008	164610JUN08	<1.0	<1.0	<1.0	<3.0
	9/18/2008	165919SEP08	<1.0	<1.0	<1.0	<3.0
	12/4/2008	150204DEC08	<1.0	<1.0	<1.0	<3.0