

3R – 322

2008 AGWMR

04 / 05 / 2009

Site Summary Report

Site Name: Ice Canyon Drip

Reporting Period: 2008

Location: Unit B, Sec 15, Twn 26N, Rng 6W

Canyon: Largo

Operator: Williams

Vulnerable Class: original

OCD Ranking: 40

Lead Agency: NMOCD

Status Narrative

This site has eight monitoring wells and one 4-inch well installed as part of a soil-vapor extraction pilot study conducted by PNM. To date, forty-one quarters of monitoring have been completed. Accumulations of LNAPL in the 4-inch well are no longer observed.

Source area well MW-2 was not sampled due to a restriction in the well. Previously, measured concentrations showed a decline from previous monitoring events. Concentrations of BTEX in downgradient well MW-5 were below WQCC standards in the fourth quarter of 2008. Downgradient well MW-4, which had benzene concentrations ranging from 12 ppb to 20 ppb in 2005, had no detectable BTEX in all of 2007 and again in 2008. Further downgradient, well MW-6 had no measureable BTEX during the second quarter monitoring event. Sentinel well MW-8 had no measureable BTEX during the monitoring period and has been clean for more than three years.

Potentiometric surface maps (Figure 2) depict a general south-southwest flow direction. The average hydraulic gradient is 0.003. The hydrograph for the monitoring period illustrates the seasonal fluctuations in water-table elevations. Monitored natural attenuation appears effective at this site with clean closure likely.

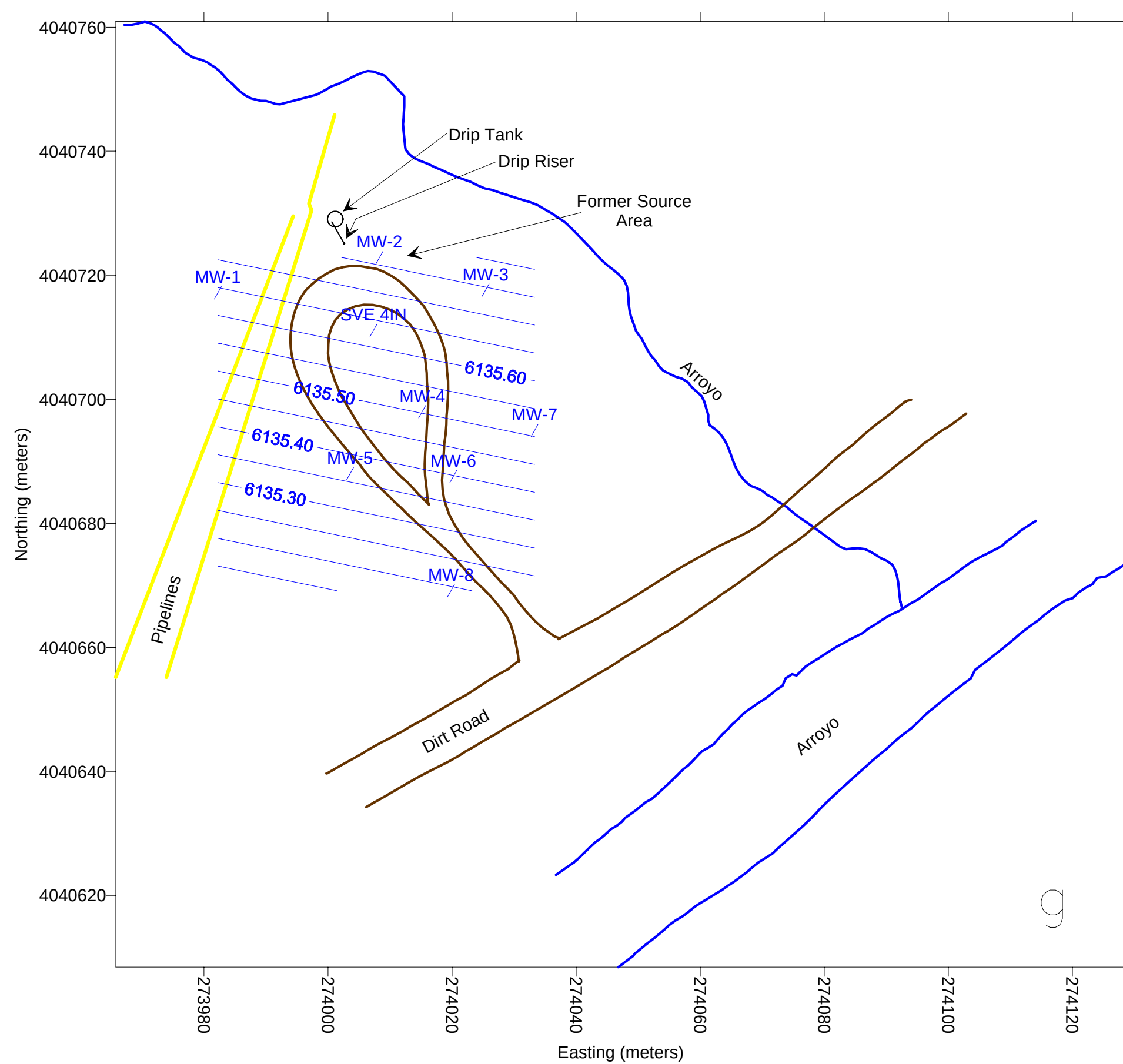


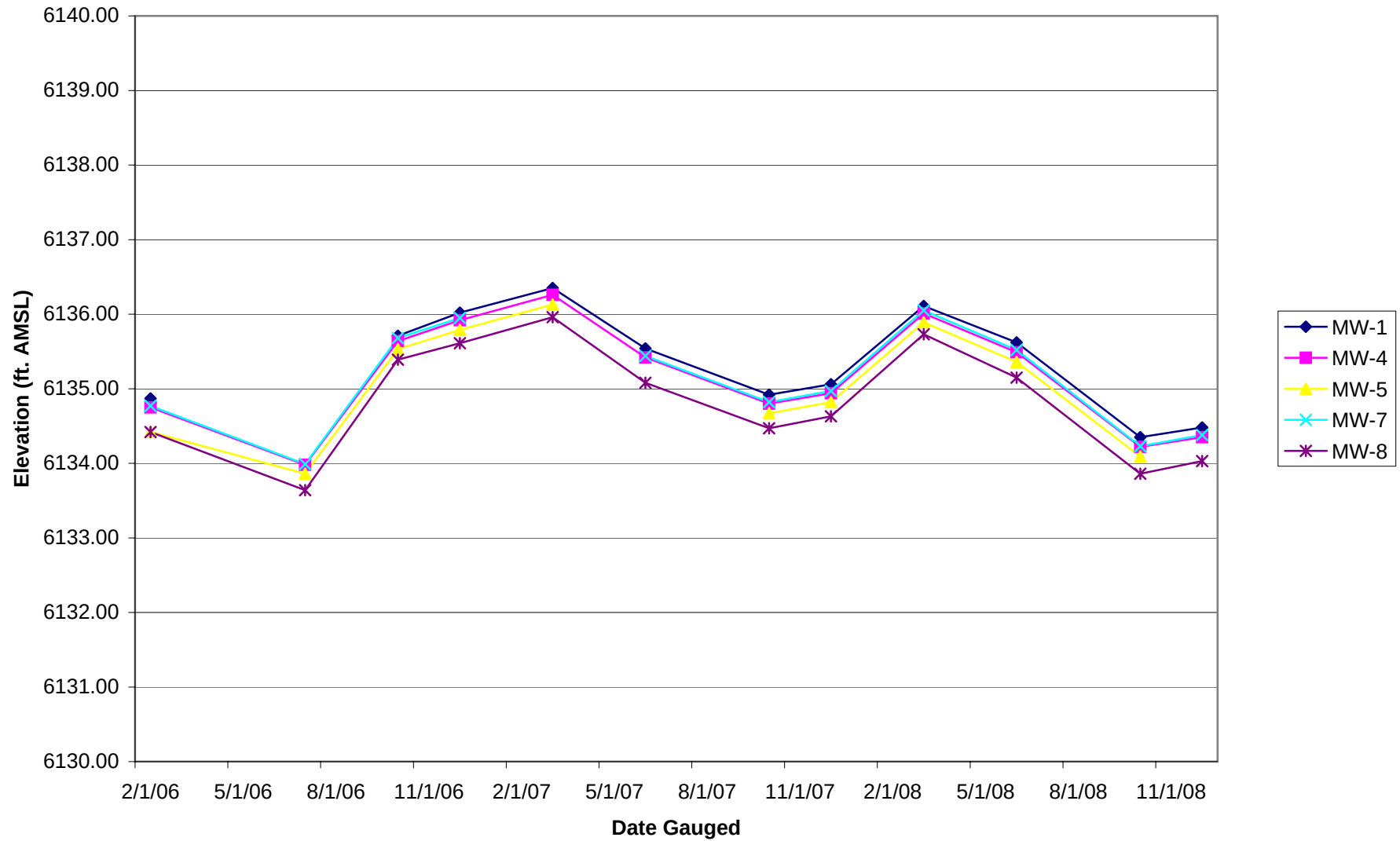
Figure 2
Potentiometric
Surface Map
Ice Canyon Line Drip
(June 2008)

LEGEND

MW-2 / Monitoring Well

— 5585.20 — Ground Water Elevation (ft. AMSL)

Ice Canyon 2008 Hydrograph



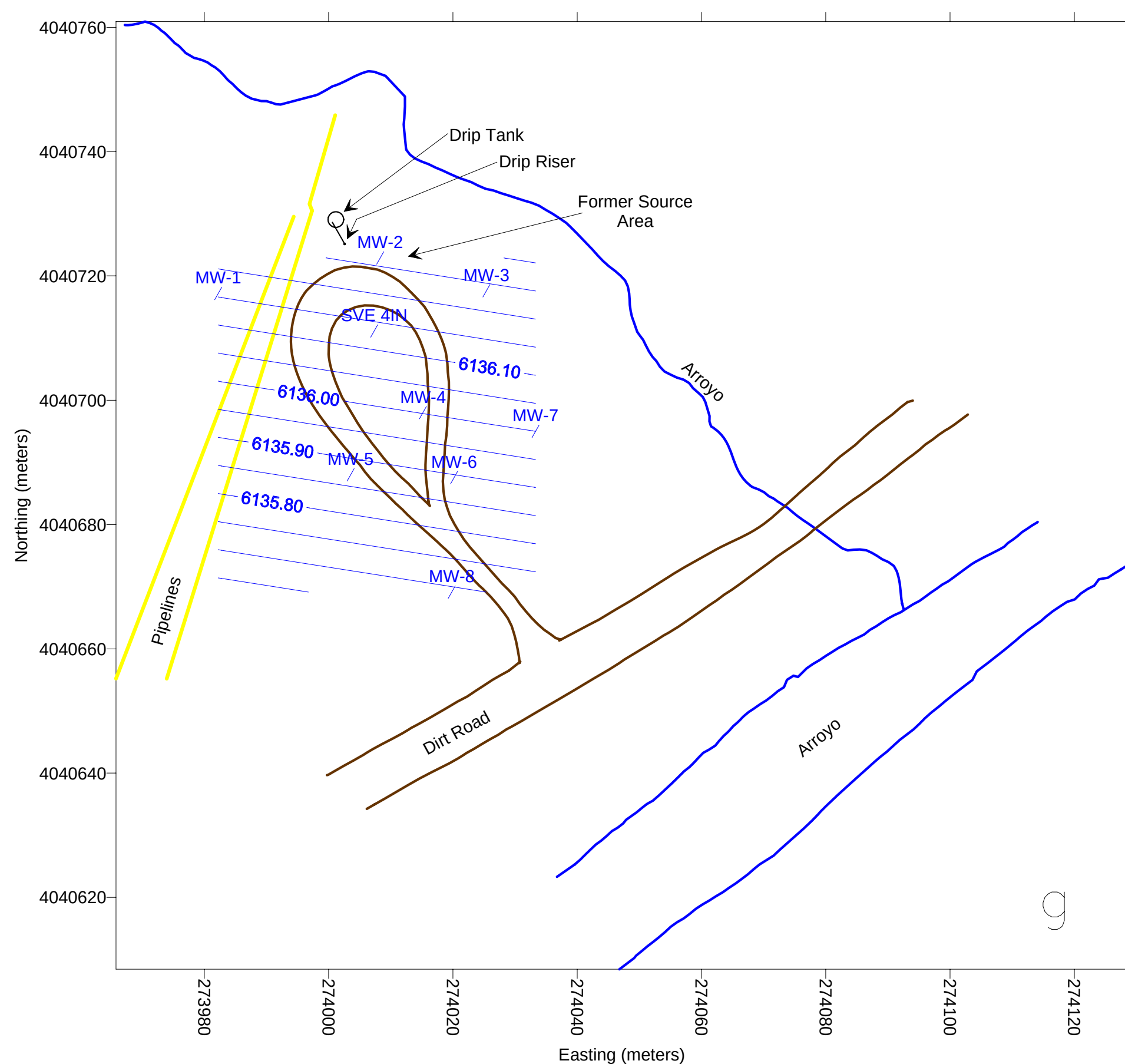


Figure 2
Potentiometric
Surface Map
Ice Canyon Line Drip
(March 2008)

LEGEND

MW-2 / Monitoring Well

— 5585.20 — Ground Water Elevation (ft. AMSL)

Analytical Data Summary

Site Name:

Ice Canyon Drip

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						
	10/6/2006	094306OCT06	<1.0	<1.0	<1.0	<3.0
	12/7/2006	170607DEC06	<1.0	5.8	<1.0	<3.0
	3/26/2007	103226MAR07	<1.0	<1.0	<1.0	<3.0
	6/27/2007	120227JUN07	<1.0	<1.0	<1.0	<3.0
	10/9/2007	114509OCT07	<1.0	<1.0	<1.0	<3.0
	12/18/2007	100418DEC07	<1.0	<1.0	<1.0	<3.0
	3/27/2008	110527MAR08	<1.0	<1.0	<1.0	<3.0
	6/5/2008	133105JUN08	<1.0	<1.0	<1.0	<3.0
	10/1/2008	133201OCT08	<1.0	<1.0	<1.0	<3.0
	12/5/2008	141605DEC08	<1.0	<1.0	<1.0	<3.0
MW-2						
	2/26/2006	154526FEB06	590	2.0	20.4	51.2
	10/6/2006	112606OCT06	41.2	<1.0	4.3	19.8
	12/7/2006	172007DEC06	124	5.0	10.8	21.1
	3/26/2007	113126MAR07	92.8	<1.0	<1.0	5.4
	6/27/2007	122027JUN07	129	<1.0	11.7	21.7
MW-3						
	2/26/2006	145026FEB06	ND	ND	ND	ND
	10/9/2007	122709OCT07	<1.0	<1.0	<1.0	<3.0
	12/18/2007	110018DEC07	<1.0	<1.0	<1.0	<3.0
	3/27/2008	115727MAR08	<1.0	<1.0	<1.0	<3.0
	6/5/2008	135605JUN08	<1.0	<1.0	<1.0	<3.0
MW-4						
	2/26/2006	151726FEB06	8.7	ND	3.7	40.1
	10/6/2006	102806OCT06	<1.0	<1.0	1.8	16.5
	12/7/2006	162707DEC06	1.9	2.2	2.2	4.8
	3/26/2007	104826MAR07	<1.0	<1.0	<1.0	<3.0
	6/27/2007	113527JUN07	<1.0	<1.0	<1.0	<3.0
	10/9/2007	115809OCT07	<1.0	<1.0	<1.0	<3.0
	12/18/2007	103518DEC07	<1.0	<1.0	<1.0	<3.0
	3/27/2008	111727MAR08	<1.0	<1.0	<1.0	<3.0
	6/5/2008	141805JUN08	<1.0	<1.0	<1.0	<3.0
	10/1/2008	135401OCT08	<1.0	<1.0	<1.0	<3.0
	12/5/2008	144205DEC08	<1.0	<1.0	<1.0	<3.0

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MW-5						
	2/26/2006	150326FEB06	25.2	ND	ND	ND
	10/6/2006	110706OCT06	303	153	64.0	539
	12/7/2006	164007DEC06	123	2.9	29.0	40.1
	3/26/2007	110526MAR07	40.1	<1.0	10.6	9.7
	10/9/2007	123909OCT07	14.8	2.0	<1.0	<3.0
	12/18/2007	104718DEC07	3.8	<1.0	<1.0	<3.0
	3/27/2008	113027MAR08	33.0	<1.0	7.3	8.5
	6/5/2008	142805JUN08	10.3	4.6	2.6	3.3
	10/1/2008	140601OCT08	4.6	<1.0	<1.0	<3.0
MW-6						
	2/26/2006	143726FEB06	2.5	ND	3.5	5.9
	10/6/2006	104406OCT06	1.2	<1.0	8.6	6.6
	12/7/2006	165107DEC06	1.9	1.9	28.3	<3.0
	3/26/2007	111626MAR07	1.9	<1.0	28.3	<3.0
	6/27/2007	112527JUN07	2.6	<1.0	11.2	31.2
	6/5/2008	143905JUN08	1.6	<1.0	<1.0	<3.0
MW-7						
	2/26/2006	142826FEB06	ND	ND	ND	ND
	10/6/2006	100906OCT06	<1.0	<1.0	<1.0	<3.0
	12/7/2006	161607DEC06	<1.0	2.2	<1.0	<3.0
	6/27/2007	114527JUN07	<1.0	<1.0	<1.0	<3.0
	10/9/2007	121609OCT07	<1.0	<1.0	<1.0	<3.0
	12/18/2007	102218DEC07	<1.0	<1.0	<1.0	<3.0
	3/27/2008	114227MAR08	<1.0	<1.0	<1.0	<3.0
	6/5/2008	140605JUN08	<1.0	<1.0	<1.0	<3.0
	10/1/2008	134301OCT08	<1.0	<1.0	<1.0	<3.0
	12/5/2008	142905DEC08	<1.0	<1.0	<1.0	<3.0
MW-8						
	2/26/2006	141726FEB06	ND	ND	ND	ND
	10/6/2006	095706OCT06	1.0	<1.0	<1.0	<3.0
	12/7/2006	160507DEC06	<1.0	<1.0	<1.0	<3.0
	3/26/2007	101926MAR07	<1.0	<1.0	<1.0	<3.0
	6/27/2007	111227JUN07	<1.0	<1.0	<1.0	<3.0
	10/9/2007	113409OCT07	<1.0	<1.0	<1.0	<3.0
	12/18/2007	094918DEC07	<1.0	<1.0	<1.0	<3.0
	3/27/2008	105327MAR08	<1.0	<1.0	<1.0	<3.0
	6/5/2008	131905JUN08	<1.0	<1.0	<1.0	<3.0
	10/1/2008	132201OCT08	<1.0	<1.0	<1.0	<3.0
	12/5/2008	140505DEC08	<1.0	<1.0	<1.0	<3.0

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SVE 4IN	2/26/2006	155926FEB06	10.6	12.1	32.9	
	3/26/2007	115326MAR07	31.9	15.7	92.4	532
	12/5/2008	145605DEC08	3.2	1.1	43.8	41.7