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**ANNUAL
MONITORING
REPORT**

04/02/2008



MWH

BUILDING A BETTER WORLD

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April 2, 2008

Mr. Glenn von Gonten
New Mexico Oil Conservation Division (NMOCD)
1220 South St., Francis Drive
Santa Fe, New Mexico 87505

**RE: El Paso Tennessee Pipeline Company Pit Groundwater Remediation Sites
2007 Annual Reports**

Dear Mr. Von Gonten:

MWH Americas, Inc., on behalf of El Paso Tennessee Pipeline Company (EPTPC), is submitting the enclosed 2007 Annual Reports for each of EPTPC's 21 remaining San Juan River Basin pit groundwater remediation Sites. The reports present the 2007 sampling and product recovery data and include recommendations for 2008 activities at these Sites.

Copies of the reports for Sites located on Federal or Navajo lands are also being sent under separate cover to the Bureau of Land Management and the Navajo Nation Environmental Protection Agency.

If you have any questions concerning the enclosed reports, please call either Nancy Prince of EPTPC (719-520-4690) or me (303-291-2276).

Sincerely,

Jed Smith
Project Manager

cc: Brandon Powell – NMOCD, Aztec, NM
Nancy Prince – EPTPC
MWH Project File

**2007 ANNUAL GROUNDWATER REPORT
FEDERAL SITES VOLUME I
EL PASO TENNESSEE PIPELINE COMPANY**

TABLE OF CONTENTS

METER or LINE ID	SITE NAME	TOWNSHIP	RANGE	SECTION	UNIT	
89961	Fields A#7A	32N	11W	34	E	3R170
89232	Johnston Fed #6A	31N	09W	35	F	3R202
94715	James F. Bell #1E	30N	13W	10	P	3R196
89620	Sandoval GC A #1A	30N	09W	35	C	3R235
LD151	Lat 0-21 Line Drip	30N	09W	12	O	3R213
73220	Fogelson 4-1 Com. #14	29N	11W	4	P	3R068
97213	Hamner #9	29N	09W	20	A	3R190
LD174	LAT L 40	28N	04W	13	H	3R212
89894	Hammond #41A	27N	08W	25	O	3R186
94810	Miles Fed 1A	26N	07W	5	F	3R223
LD072	K27 LD072	25N	06W	4	E	3R204
87640	Canada Mesa #2	24N	06W	24	I	3R155
70194	Johnston Fed #4	31N	09W	33	H	3R201



**EPTPC GROUNDWATER SITES
2007 ANNUAL GROUNDWATER REPORT**

3R155

**Canada Mesa #2
Meter Code: 87640**

SITE DETAILS

Legal Description:	Town:	24N	Range:	6W	Sec:	24	Unit:	I
NMOCD Haz Ranking:	40	Land Type:	Federal	Operator:	Merrion Oil & Gas Company			

PREVIOUS ACTIVITIES

Site Assessment:	7/94	Excavation:	8/94	Soil Boring:	8/95
Monitor Well:	8/95	Geoprobe:	NA	Additional MWs:	10/00
Downgradient MWs:	10/00	Replace MW:	NA	Quarterly Initiated:	8/95
ORC Nutrient Injection:	NA	Re-Excavation:	NA	PSH Removal Initiated:	8/97
Annual Initiated:	11/00	Quarterly Resumed:	NA	PSH Removal in 2007?	Yes

SUMMARY OF 2007 ACTIVITIES

MW-1: Quarterly free-product recovery was conducted at this well in 2007.

MW-2: Annual groundwater sampling was performed in December 2007. Quarterly water level monitoring was performed.

MW-3: Annual groundwater sampling was performed in December 2007. Quarterly water level monitoring was performed.

Site-Wide Activities: No other activities were performed at this Site in 2007.

SITE MAPS

A Site map (December) is attached as Figure 1.

SUMMARY TABLES AND GRAPHS

- Groundwater analytical data for 2007 are included in Table 1, and historic data are also presented graphically in Figures 2 through 4.
- 2007 free-product recovery data for MW-1 are included in Table 2 and are presented graphically in Figure 5.

EPTPC GROUNDWATER SITES 2007 ANNUAL GROUNDWATER REPORT

**Canada Mesa #2
Meter Code: 87640**

- Laboratory Reports are presented in Attachment 1 (included on CD).
- Field documentation is presented in Attachment 2 (included on CD).

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

No subsurface activities were performed at this Site during 2007.

DISPOSITION OF GENERATED WASTES

All purge water was taken to the El Paso Natural Gas Rio Vista Compressor Station. Spent absorbent socks were managed as non-hazardous solid waste.

ISOCONCENTRATION MAPS

The attached Site map presents both water level and analytical data collected during the December 2007 annual sampling.

CONCLUSIONS

- The groundwater flow direction is generally to the east at this Site.
- Approximately 1.63 gallons of free-product was recovered from MW-1 in 2007, bringing the cumulative total recovered to approximately 46.46 gallons.
- BTEX constituents were not detected in MW-2 during the 2007 annual sampling event. The benzene concentration in MW-2 first dropped below the NMWQCC standard in 2006.
- The benzene concentration in MW-3 decreased from 679 µg/L in December 2006 to 412 µg/L in December 2007. Overall the concentration has decreased significantly from a high of 1,430 µg/L in 2002. Toluene, ethylbenzene and total xylenes concentrations remain below their respective NMWQCC standards.

RECOMMENDATIONS

- EPTPC will continue quarterly free-product recovery efforts at MW-1; however, the frequency of monitoring may be adjusted based on the amount of product recovered during the monitoring visits.
- EPTPC will continue sampling MW-2 and MW-3 on an annual basis.
- Once free-product recovery efforts are completed at MW-1, this well will be sampled on an annual basis until sample results approach closure criteria. All wells will then be scheduled for quarterly sampling until closure criteria are met.

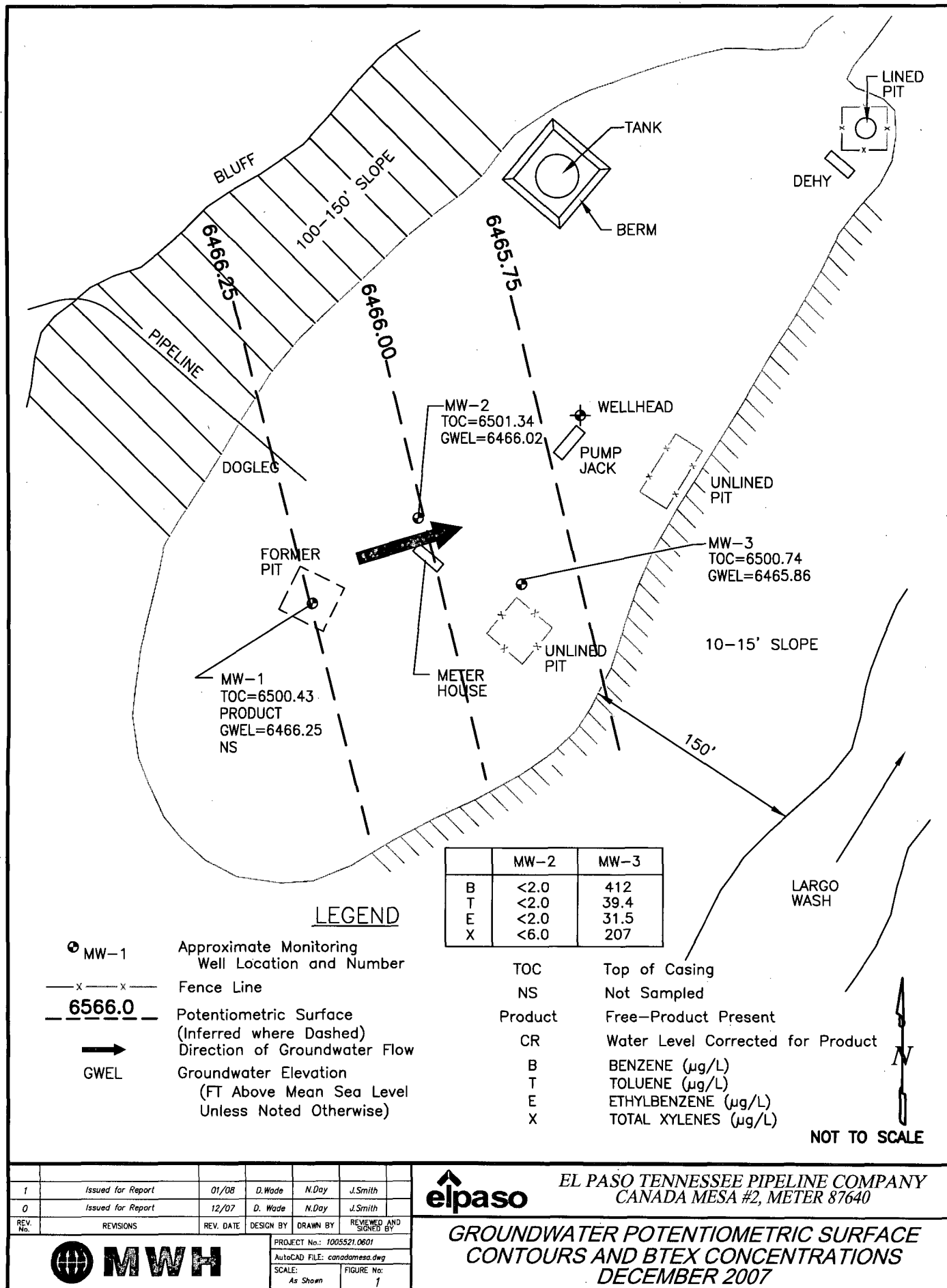
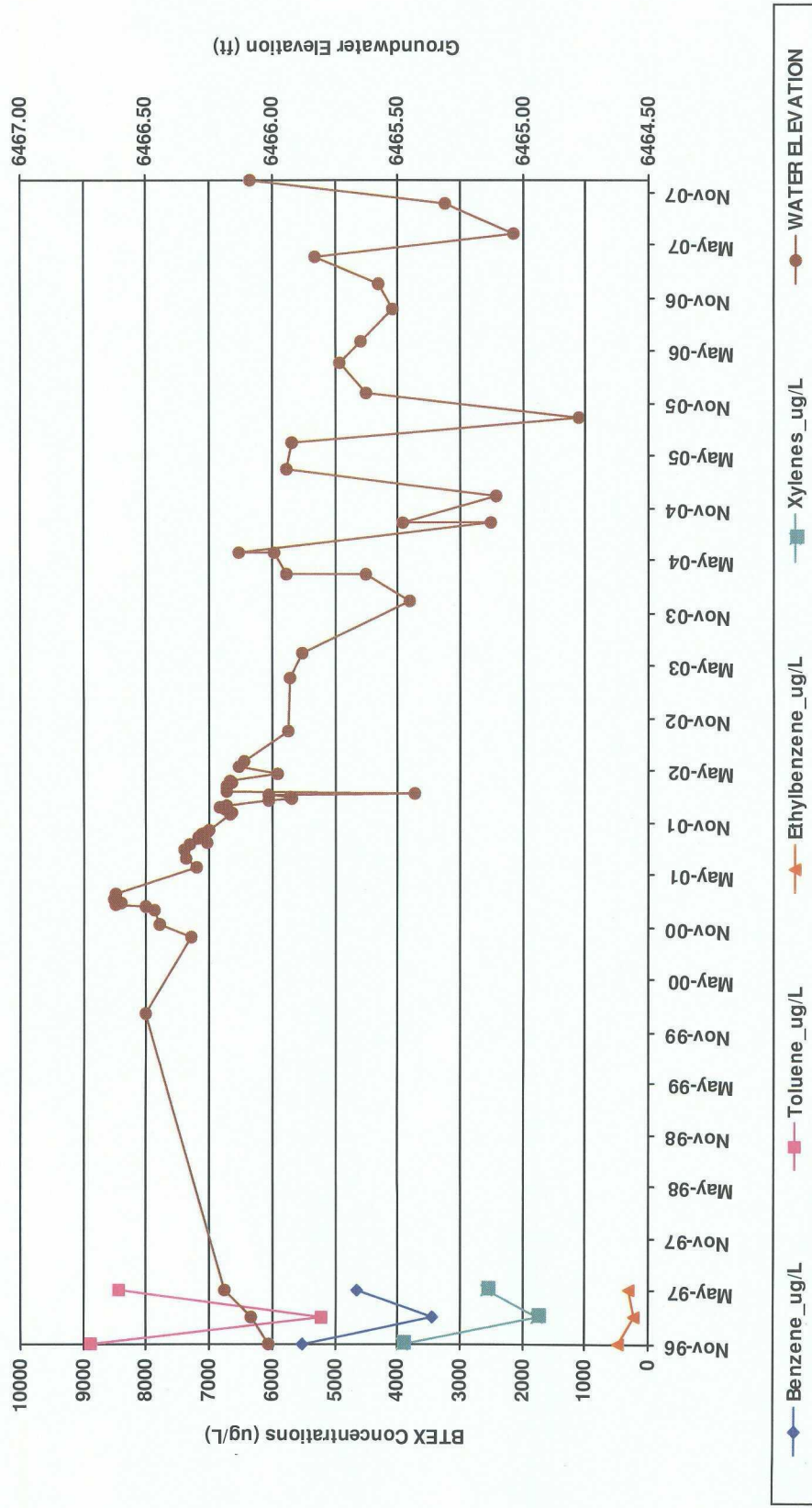
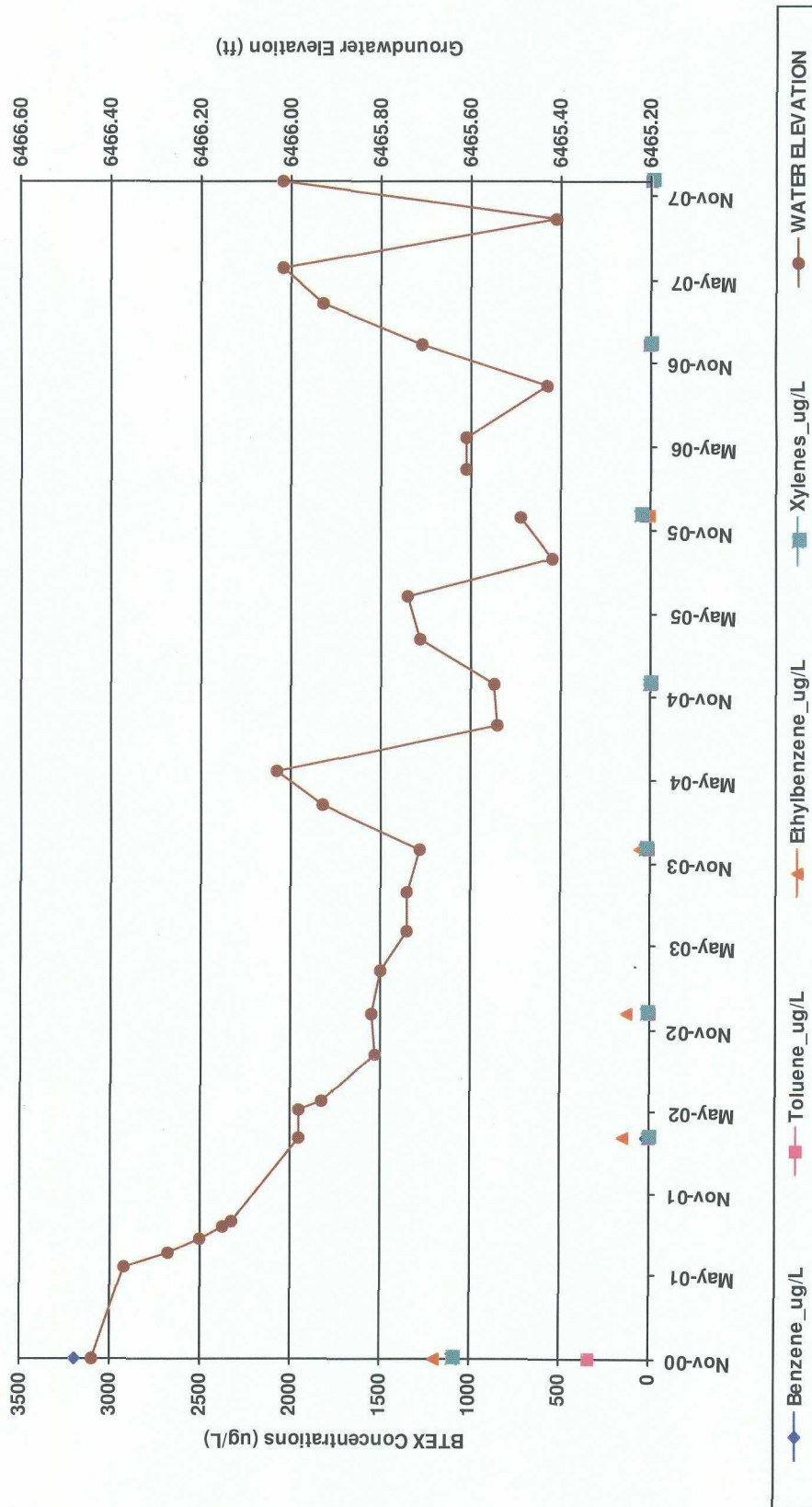


FIGURE 2
SUMMARY OF BTEX COMPOUNDS IN GROUNDWATER SAMPLES
CANADA MESA #2 (METER #87640)
MW01



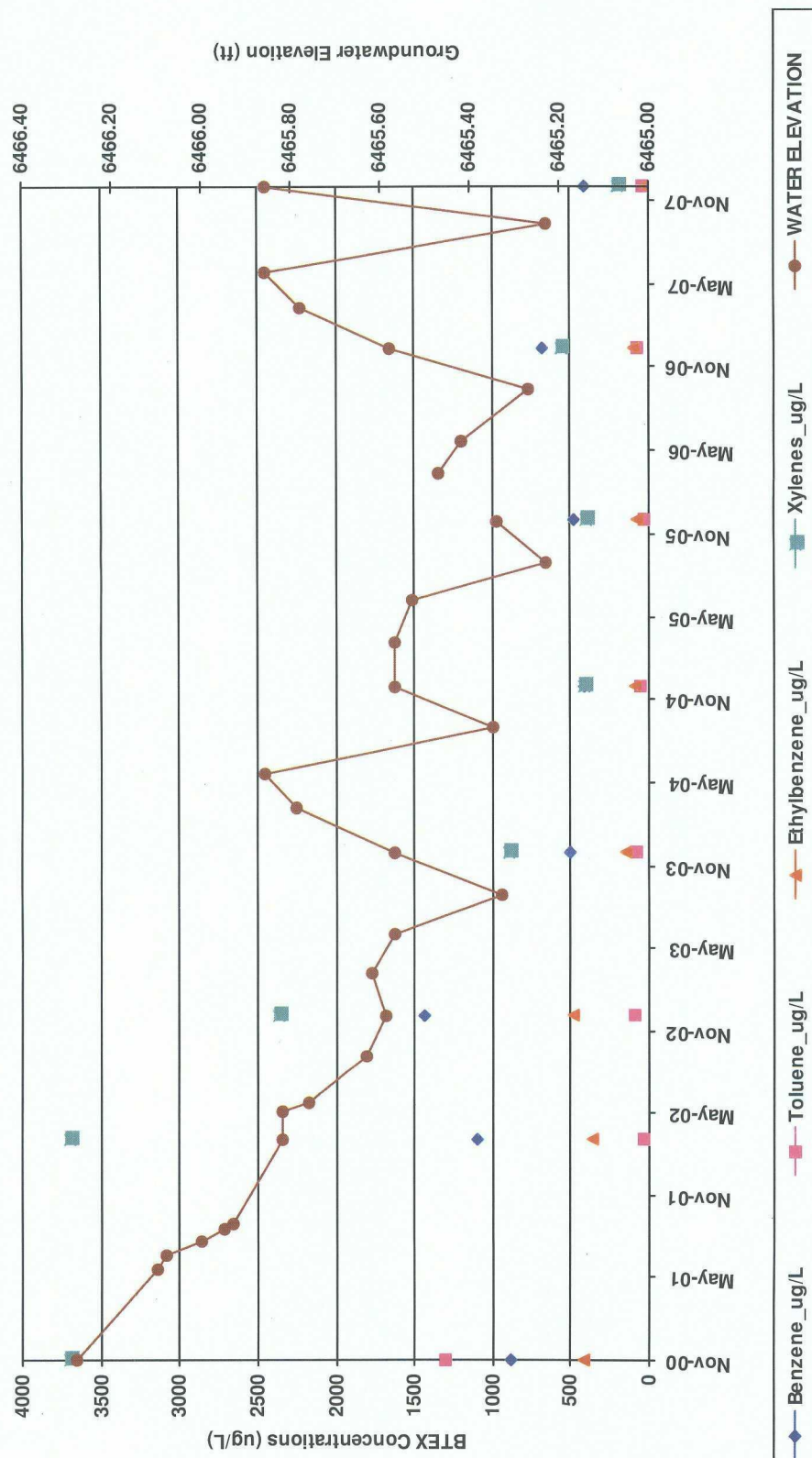
Note: Non Detects are represented by a value of 1.

FIGURE 3
SUMMARY OF BTEX COMPOUNDS IN GROUNDWATER SAMPLES
CANADA MESA #2 (METER #87640)
MW02



Note: Non Detects are represented by a value of 1.

FIGURE 4
SUMMARY OF BTEX COMPOUNDS IN GROUNDWATER SAMPLES
CANADA MESA #2 (METER #87640)
MW03



Note: Non Detects are represented by a value of 1.

FIGURE 5
SUMMARY OF FREE-PRODUCT REMOVAL
CANADA MESA #2 (METER #87640)
MW01

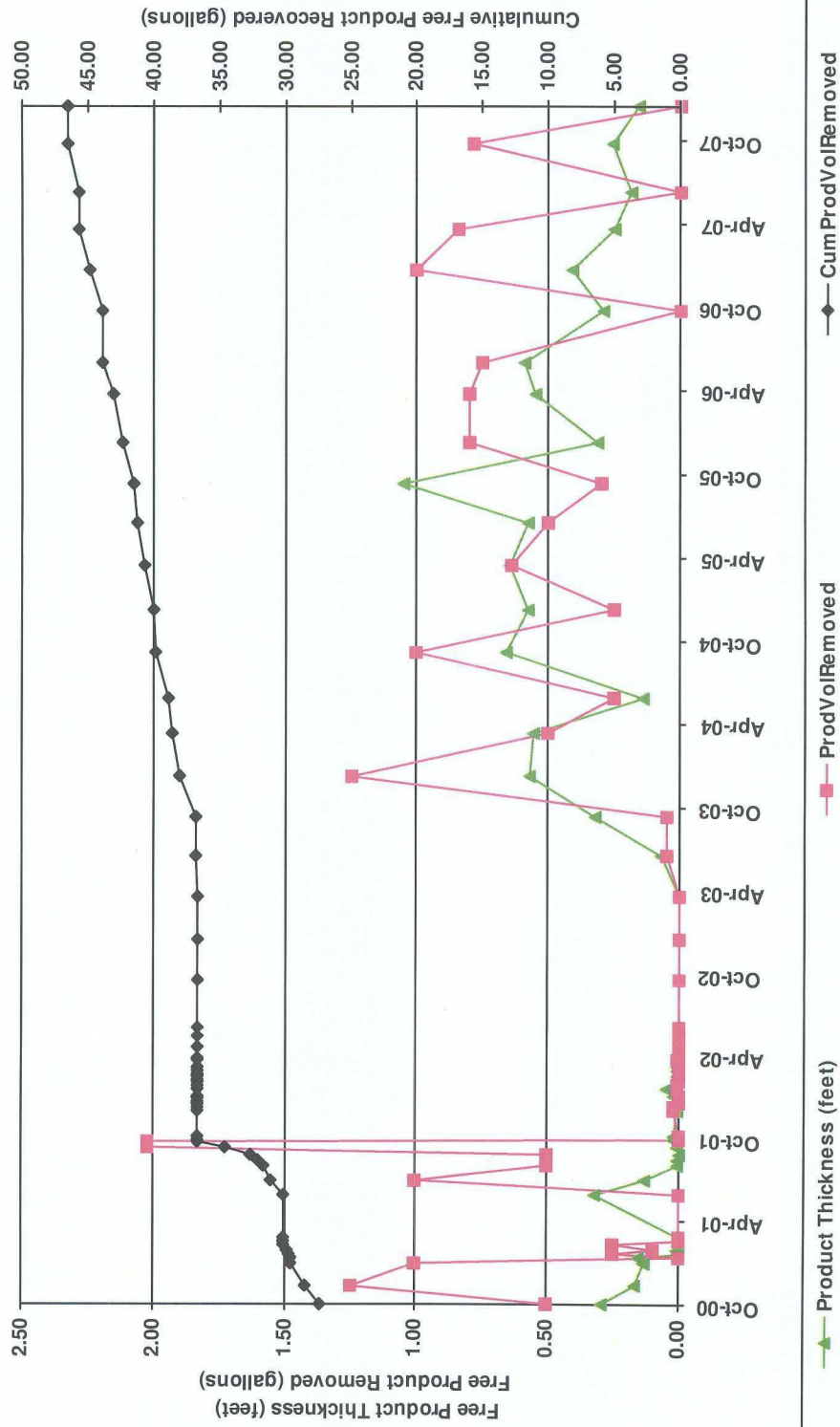


TABLE 1

**SUMMARY OF BTEX COMPOUNDS IN GROUNDWATER SAMPLES
CANADA MESA #2 (METER #87640)**

Monitoring Well	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Depth to Water (ft BTOC)
MW01	11/4/1996	5520	8880	469	3920	34.42
	2/5/1997	3450	5200	214	1770	34.35
	5/7/1997	4650	8440	317	2580	34.24
MW02	11/16/2000	3200	330	1200	1100	34.90
	3/19/2002	22	1	150	14	35.36
	12/24/2002	12.1	2.1	129	16.4	35.52
	12/15/2003	10	11.7	55.3	29.7	35.63
	12/15/2004	6.3	3.8	8	5.9	35.79
	12/15/2005	12.1	30.9	5.6	61.9	35.85
	12/26/2006	5.3	5	1.8	7.1	35.63
	12/18/2007	1	1	1	1	35.32
MW03	11/16/2000	880	1300	420	3700	34.46
	3/19/2002	1100	29	360	3700	34.92
	12/24/2002	1430	95	483	2359	35.15
	12/15/2003	503	79.7	148	891	35.17
	12/15/2004	410	54.9	88.7	420	35.17
	12/15/2005	482	32.7	74.1	399	35.40
	12/26/2006	679	78.9	106	565	35.16
	12/18/2007	412	39.4	31.5	207	34.88

Note: Non Detects are represented by a value of 1.

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
CANADA MESA #2 (METER #87640)**

Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
MW01	10/6/2000	33.82	34.11	0.29	0.50	27.23
	11/14/2000	33.81	33.98	0.17	1.25	28.48
	1/3/2001	33.83	33.96	0.13	1.00	29.48
	1/15/2001	33.78	33.93	0.15	0.00	29.48
	1/22/2001	33.81	33.81	0.00	0.25	29.73
	1/30/2001	33.82	33.83	0.01	0.10	29.83
	2/13/2001	33.8	33.8	0.00	0.25	30.08
	2/20/2001	33.81	33.81	0.00	0.00	30.08
	2/28/2001	33.81	33.81	0.00	0.00	30.08
	6/4/2001	33.81	34.13	0.32	0.00	30.08
	7/3/2001	33.96	34.09	0.13	1.00	31.08
	8/6/2001	34.07	34.08	0.01	0.50	31.58
	8/20/2001	34.09	34.1	0.01	0.50	32.08
	8/31/2001	34.17	34.17	0.00	0.50	32.58
	9/14/2001	34.13	34.14	0.01	2.02	34.60
	9/26/2001	34.14	34.15	0.01	2.02	36.62
	10/2/2001	34.15	34.17	0.02	0.00	36.62
	10/10/2001	34.16	34.18	0.02	0.00	36.62
	12/5/2001	34.25	34.26	0.01	0.02	36.64
	12/14/2001	34.27	34.27	0.00	0.02	36.66
	12/21/2001	34.24	34.24	0.00	0.00	36.66
	12/28/2001	34.22	34.22	0.00	0.00	36.66
	1/2/2002	34.23	34.23	0.00	0.00	36.66
	1/7/2002	34.23	34.25	0.02	0.00	36.66
	1/23/2002	34.37	34.42	0.05	0.01	36.67
	1/30/2002	34.5	34.51	0.01	0.01	36.68
	2/7/2002	34.49	34.5	0.01	0.00	36.68
	2/14/2002	34.41	34.42	0.01	0.00	36.68
	2/20/2002	34.99	35	0.01	0.00	36.68
	2/26/2002		34.25	0	0.00	36.68
	3/7/2002	34.24	34.25	0.01	0.00	36.68
	3/12/2002	34.24	34.25	0.01	0.00	36.68
	3/28/2002		34.27	0	0.01	36.69
	4/3/2002		34.26	0	0.00	36.69
	4/25/2002		34.45	0	0.00	36.69
	5/21/2002		34.3	0	0.00	36.69
	6/10/2002		34.32	0	0.00	36.69
	9/23/2002		34.496	0	0.00	36.69
	12/24/2002			0	0.00	36.69

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
CANADA MESA #2 (METER #87640)**

Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
MW01	3/25/2003		34.5	0	0.00	36.69
	6/22/2003	34.48	34.55	0.07	0.05	36.74
	9/15/2003	34.65	34.97	0.32	0.05	36.79
	12/15/2003	34.41	34.98	0.57	1.25	38.04
	3/17/2004	34.24	34.8	0.56	0.50	38.54
	6/3/2004	34.3	34.44	0.14	0.25	38.79
	9/13/2004	34.64	35.3	0.66	1.00	39.79
	12/15/2004	34.74	35.32	0.58	0.25	40.04
	3/22/2005	34.36	35.01	0.65	0.64	40.68
	6/24/2005	34.39	34.97	0.58	0.50	41.18
	9/14/2005	34.6	35.65	1.05	0.30	41.48
	12/14/2005	34.74	35.05	0.31	0.80	42.28
	3/28/2006	34.59	35.14	0.55	0.80	43.08
	6/7/2006	34.52	35.11	0.59	0.75	43.83
	9/29/2006	34.85	35.14	0.29	0.00	43.83
	12/26/2006	34.44	34.85	0.41	1.00	44.83
	3/26/2007	34.35	34.6	0.25	0.84	45.67
	6/13/2007	34.2	35.39	1.19	0.00	45.67
	9/28/2007	34.86	35.12	0.26	0.79	46.46
	12/18/2007	34.18	34.34	0.16	0.00	46.46