Delta
Environmental
Consultants, Inc.

3330 Data Drive
Suite 100
Rancho Cordova, CA 95670
916/638-2085
FAX: 916/638-8385

January 3, 1995

Ms. Marla Guensler
Exxon Company, U.S.A.
Post Office Box 4032
Concord, California 94524-2032

Subject: *Quarterly Ground Water Monitoring Report, Fourth Quarter 1994*
Exxon Retail Station No. 7-7003
349 Main Street
Pleasanton, California
Delta Project No. D094-838

Dear Ms. Guensler:

Delta Environmental Consultants, Inc. (Delta), has been authorized by Exxon Company, U.S.A. (Exxon), to conduct quarterly ground water monitoring at Exxon Retail Station No. 7-7003, located at 349 Main Street, Pleasanton, California. This letter report presents the results of quarterly ground water monitoring and sampling conducted on December 2, 1994. The location of the site is shown in Figure 1 and site features are illustrated in Figure 2. All work conducted at the site by Delta was performed in accordance with the field methods and procedures described in Enclosure A.

Ground Water Table Elevation, Flow Direction, and Hydraulic Gradient

Ground water table elevations were measured in monitoring wells MW-2 through MW-8 and vapor extraction wells VE-1 through VE-3 on December 2, 1994. Depths to ground water in the monitoring wells ranged from 19.59 to 28.55 feet below the tops of the well casings. Monitoring well MW-1 was dry, apparently due to an obstruction in the well casing at a depth of approximately 20 feet. Cumulative ground water table measurements are presented in Table 1. A water table contour map constructed from the ground water elevations recorded on December 2, 1994, is included in Figure 3. The water table contours illustrated in Figure 3 indicate that ground water flowed toward the northwest with a hydraulic gradient of approximately 0.11.

Subjective Analysis

No liquid-phase petroleum hydrocarbons or hydrocarbon sheens were present in the wells during the December 1994 site visit.

Analytical Results

Ground water samples were collected from monitoring wells MW-2 through MW-8 and vapor extraction wells VE-1 and VE-2 on December 2, 1994. The samples were submitted to Curtis and Tompkins, Ltd. (a California-certified laboratory) for analysis of benzene, toluene, ethylbenzene, total xylenes, and total volatile hydrocarbons (TVH) as gasoline. In addition, the ground water sample collected from monitoring well MW-4 was analyzed for volatile organic compounds (VOCs). Monitoring well MW-1 could not be sampled due to an obstruction in the well casing, and vapor extraction well VE-3 did not recharge sufficiently to collect a sample after purging. Cumulative analytical test results are summarized in Table 2, and a copy of the laboratory analytical report for the December 1994 sampling event is presented in Enclosure B.

Analytical test results indicate that ground water samples collected from monitoring wells MW-3 through MW-7 did not contain detectable concentrations of petroleum hydrocarbons. Benzene was present in ground water samples collected from vapor extraction wells VE-1 and VE-2 at concentrations of 3.4 micrograms per liter (μg/L) and 3.7 μg/L, respectively. Ground water samples collected from wells MW-2, MW-8, VE-1, and VE-2 contained TVH as gasoline at concentrations ranging from 55 μg/L (MW-2) to 8,300 μg/L (VE-1). VOCs were not present in detectable concentrations in the ground water sample collected from monitoring well MW-4. A dissolved benzene concentration map is presented in Figure 4.

Future Work

The next quarterly monitoring event for this site is scheduled for February 1995.

Remarks/Signatures

The interpretations contained in this report represent our professional opinions, and are based in part on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

Delta recommends that copies of this report be forwarded to:

Mr. Jerry Killingstad
Alameda County Flood Control
and Water Conservation District (Zone 7)
5997 Parkside Drive
Pleasanton, California 94566

Mr. Sum Arigalia
California Regional Water Quality Control
Board, San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

If you have any questions regarding this project, please contact Rich Chandler at (916) 638-2085.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Richard E. Chandler
Project Manager/Hydrogeologist

Eric J. Holm, R.G.
California Registered Geologist No. 5880

REC (LRP531.TA)
Enclosures

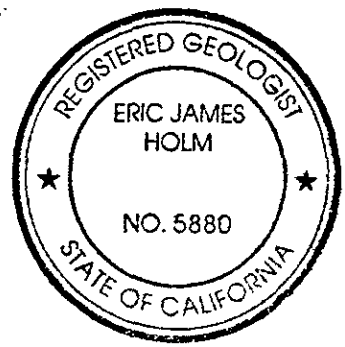


TABLE 1

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Reference[a] Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Comments
MW-1	02/23/90	343.83	26.08	317.75	No LPH[b]
	06/15/90		26.49	317.34	No LPH
	08/90		26.47	317.36	No LPH
	12/18/90		28.00	315.83	No LPH
	03/19/91		23.63	320.20	No LPH
	06/27/91		22.11	321.72	No LPH
	09/26/91		27.75	316.08	No LPH
	01/10/92		25.61	318.22	No LPH
	03/12-13/92		22.52	321.31	No LPH
	06/09/92		21.53	322.30	No LPH
	09/28-29/92		29.84	313.99	No LPH
	12/12/92		23.86	319.97	No LPH
	02/02-03/93		19.00	324.83	No LPH
	06/08-09/93		16.62	327.21	No LPH
	09/22-23/93		19.63	324.20	No LPH
	11/17-18/93		20.82	323.01	No LPH
	02/16-17/94		21.47	322.36	No LPH
	05/12-13/94		19.78	324.05	No LPH
	09/07/94		21.16	322.67	No LPH
	12/02/94		Dry	---	---
MW-2	02/23/90	344.22	26.31	317.91	No LPH
	06/15/90		26.25	317.97	No LPH
	08/90		26.15	318.07	No LPH
	12/18/90		27.94	316.28	No LPH
	03/19/91		23.41	320.81	No LPH
	06/27/91		21.63	322.59	No LPH
	09/26/91		27.19	317.03	No LPH
	01/10/92		25.67	318.55	No LPH
	03/12-13/92		22.28	321.94	No LPH
	06/09/92		21.17	323.05	No LPH
	09/28-29/92		29.58	314.64	No LPH
	12/12/92		NM[c]	---	NM
	02/02-03/93		18.69	325.53	No LPH
	06/08-09/93		16.32	327.90	No LPH
	09/22-23/93		19.43	324.79	No LPH
	11/17-18/93		20.56	323.66	No LPH
	02/16-17/94		20.93	323.29	No LPH
	05/12-13/94		19.64	324.58	No LPH
	09/07/94		20.93	323.29	No LPH
	12/02/94		20.39	323.83	No LPH

TABLE 1-Continued

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Reference[a] Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Comments
MW-3	02/23/90	342.70	24.78	317.92	No LPH
	06/15/90		25.29	317.41	No LPH
	08/90		25.40	317.30	No LPH
	12/18/90		26.84	315.86	No LPH
	03/19/91		22.13	320.57	No LPH
	06/27/91		21.04	321.66	No LPH
	09/26/91		26.63	316.07	No LPH
	01/10/92		24.26	318.44	No LPH
	03/12-13/92		21.60	321.10	No LPH
	06/09/92		20.88	321.82	No LPH
	09/28-29/92		28.67	314.03	No LPH
	12/12/92		20.73	321.97	No LPH
	02/02-03/93		19.30	323.40	No LPH
	06/08-09/93		15.89	326.81	No LPH
	09/22/93		18.63	324.07	No LPH
	11/17-18/93		19.97	322.73	No LPH
	02/16-17/94		20.64	322.06	No LPH
	05/12-13/94		18.32	324.38	No LPH
	09/07/94		20.52	322.18	No LPH
	12/02/94		19.59	323.11	No LPH
MW-4	06/15/90	343.38	30.94	312.44	No LPH
	08/90		31.21	312.17	No LPH
	12/18/90		32.86	310.52	No LPH
	03/19/91		26.76	316.62	No LPH
	06/27/91		25.91	317.47	No LPH
	09/26/91		32.29	311.09	No LPH
	01/10/92		29.06	314.32	No LPH
	03/12-13/92		24.25	319.13	No LPH
	06/09/92		25.00	318.38	No LPH
	09/28-29/92		34.41	308.97	No LPH
	12/12/92		30.77	312.61	No LPH
	02/02-03/93		21.03	322.35	No LPH
	06/08-09/93		18.35	325.03	No LPH
	09/22-23/93		21.86	321.52	No LPH
	11/17-18/93		22.98	320.40	No LPH
	02/16-17/94		23.94	319.44	No LPH
	05/12-13/94		22.30	321.08	No LPH
	09/07/94		23.44	319.94	No LPH
	12/02/94		23.07	320.31	No LPH

TABLE 1-Continued

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Reference[a] Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Comments
MW-5	06/15/90	345.20	26.94	318.26	No LPH
	08/90		26.90	318.30	No LPH
	12/18/90		28.31	316.89	No LPH
	03/19/91		23.98	321.22	No LPH
	06/27/91		22.41	322.79	No LPH
	09/26/91		27.77	317.43	No LPH
	01/10/92		26.38	318.82	No LPH
	03/12-13/92		22.08	323.12	No LPH
	06/09/92		31.98	313.22	No LPH
	09/28-29/92		30.26	314.94	No LPH
	12/12/92		27.20	318.00	No LPH
	02/02-03/93		20.01	325.19	No LPH
	06/08-09/93		16.80	328.40	No LPH
	09/22-23/93		20.28	324.92	No LPH
	11/17-18/93		21.19	324.01	No LPH
	02/16-17/94		21.61	323.89	No LPH
	05/12-13/94		20.61	324.59	No LPH
	09/07/94		21.63	323.57	No LPH
	12/02/94		21.12	324.08	No LPH
MW-6	03/19/91	342.25	34.42	307.83	No LPH
	06/27/91		35.01	307.24	No LPH
	09/26/91		40.34	301.91	No LPH
	01/10/92		36.20	306.05	No LPH
	03/12-13/92		31.95	310.30	No LPH
	06/09/92		33.22	309.03	No LPH
	09/28-29/92		40.96	301.29	No LPH
	12/12/92		NM	---	NM
	02/02/93		26.51	315.74	No LPH
	06/08/93		22.62	319.63	No LPH
	09/22/93		26.74	315.51	No LPH
	11/17-18/93		28.49	313.76	No LPH
	02/16-17/94		29.83	312.42	No LPH
	05/12-13/94		27.89	314.36	No LPH
	09/07/94		28.81	313.44	No LPH
	12/02/94		28.55	313.70	No LPH

TABLE 1-Continued

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Reference[a] Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Comments
MW-7	03/19/91	343.62	24.68	318.94	No LPH
	06/27/91		23.10	320.52	No LPH
	09/26/91		NM	---	NM
	01/10/92		26.98	316.64	No LPH
	03/12-13/92		21.86	321.76	No LPH
	06/09/92		22.32	321.30	No LPH
	09/28-29/92		31.92	311.70	No LPH
	12/12/92		28.80	314.82	No LPH
	02/02-03/93		19.50	324.12	No LPH
	06/08-09/93		16.72	326.90	No LPH
	09/22-23/93		19.90	323.72	No LPH
	11/17-18/93		20.75	322.87	No LPH
	02/16-17/94		21.36	322.26	No LPH
	05/12-13/94		20.32	323.30	No LPH
	09/07/94		21.19	322.43	No LPH
	12/02/94		20.95	322.67	No LPH
MW-8	06/08-09/93	344.00	15.78	328.22	No LPH
	09/22-23/93		18.86	325.14	No LPH
	11/17-18/93		20.01	323.99	No LPH
	02/16-17/94		20.30	323.70	No LPH
	05/12-13/94		18.92	325.08	No LPH
	09/07/94		20.25	323.75	Sheen
	12/02/94		19.73	324.27	No LPH
VE-1	09/28/92	343.38	31.92	311.46	No LPH
	06/08/93		16.44	326.94	No LPH
	09/22-23/93		19.47	323.91	No LPH
	11/17-18/93		20.64	322.74	No LPH
	02/16-17/94		21.20	322.18	No LPH
	05/12-13/94		19.69	323.69	No LPH
	09/07/94		21.30	322.08	No LPH
	12/02/94		20.63	322.75	No LPH
VE-2	06/08/93	343.39	16.20	327.19	No LPH
	09/22-23/93		19.23	324.16	No LPH
	11/17-18/93		20.44	322.95	No LPH
	02/16-17/94		20.90	322.49	No LPH
	05/12-13/94		19.41	323.98	No LPH
	09/07/94		20.94	322.45	Sheen
	12/02/94		20.30	323.09	No LPH

TABLE 1-Continued

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Reference[a] Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Comments
VE-3	06/08/93	343.39	16.48	326.91	No LPH
	09/22-23/93		18.96	324.43	No LPH
	11/17-18/93		20.00	323.39	No LPH
	02/16-17/94		21.02	322.37	No LPH
	05/12-13/94		20.58	322.81	No LPH
	09/07/94		20.35	323.04	No LPH
	12/02/94		21.85	321.54	No LPH

[a] Elevation of top of well casing, relative to mean sea level.
[b] Liquid-phase petroleum hydrocarbons.
[c] Not monitored.

TABLE 2

GROUND WATER SAMPLE ANALYTICAL RESULTS

Concentrations in micrograms per liter (μg/L)

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH/TVH[a] as gasoline	Lead	Total Oil and Grease	VOC[b]
MW-1	02/23/90	21	9.2	59	19	3,300	100	NA[c]	NA
	06/15/90	7.9	5.9	32	58	1,300	<50	NA	NA
	08/90	77	280	50	250	2,500	<50	NA	NA
	12/18/90	9.0	2.0	43	400	390	<100	NA	NA
	03/19/91	45	12	240	300	4,500	<100	NA	12.0[d]
	06/27/91	5.4	2.6	29	34	710	<100	NA	ND[e]
	09/26/91	1.9	<0.5	0.6	0.6	290	<100	NA	ND
	01/10/92	52	15	690	496	5,400	<100	NA	6.1[d]
	03/12-13/92	87	22	1,200	1,000	1,400	NA	NA	2.1[f] 14[d] 1.2[g] 0.5[h] 0.8[i]
	06/09/92	27	5.9	400	300	4,500	<100	<5,000	ND
	09/28-29/92	<0.5	0.9	<0.5	<0.5	60	NA	<5,000	ND
	12/12/92	53	18	1,100	570	1,400	NA	<5,000	49[d]
	02/02-03/93	61	27	900	840	10,000	NA	<5,000	2.2[f] 19[d] 1.1[h] 2.4[i]
	06/08-09/93	42	32	970	720	7,500	NA	<5,000	1.8[d] 1.0[g] 0.8[i]
	09/22-23/93	36	34	820	540	6,600	NA	<5,000	0.6[i]
	11/17-18/93	24	10	470	300	5,900	NA	NA	ND
	02/16-17/94	42	15	470	330	6,700	NA	NA	ND[j]
	05/12-13/94	26	9.4	400	210	4,000	NA	<5,000	ND[j]
	09/07/94	3.5	2.0	17	18	170	NA	NA	ND
	12/02/94	NS[k]	NS	NS	NS	NS	NS	NS	NS

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (μg/L)

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH/TVH[a] as gasoline	Lead	Total Oil and Grease	VOC[b]
MW-2	02/23/90	3.0	2.0	0.98	6.5	650	8.0	NA	NA
	06/15/90	<0.5	2.6	<0.5	<0.5	670	<50	NA	NA
	08/90	24	130	37	170	1,300	<50	NA	NA
	12/18/90	<0.3	0.5	1.0	3.0	470	<100	NA	NA
	03/19/91	10	3.4	6.1	3.8	700	<100	NA	ND
	06/27/91	8.7	2.1	8.8	33	1,400	<100	NA	ND
	09/26/91	<0.5	0.6	0.6	3.9	300	<100	NA	ND
	01/10/92	9.3	1.0	2.4	3.2	800	<100	NA	ND
	03/12-13/92	<0.5	0.6	0.63	1.0	350	NA	NA	ND
	06/09/92	1.9	2.5	2.51	5.1	150	<100	NA	ND
	09/28-29/92	<0.5	<0.5	<0.5	<0.5	71	NA	NA	ND
	12/12/92	NS	NS	NS	NS	NS	NS	NS	NS
	02/02-03/93	3.9	8.2	21	20	720	NA	NA	NA
	06/08-09/93	0.5	3.3	5.7	2.0	160	NA	NA	NA
	09/22-23/93	0.7	5.6	4.0	2.6	240	NA	NA	NA
	11/17-18/93	1.2	2.3	3.2	1.3	490	NA	NA	NA
	02/16-17/94	<0.5	2.3	1.0	2.0	280	NA	NA	NA
	05/12-13/94	<0.5	0.7	0.6	3.8	100	NA	NA	NA
	09/07/94	<0.5	<0.5	3.8	2.9	410	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	55	NA	NA	NA

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (μg/L)

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH/TVH[a] as gasoline	Lead	Total Oil and Grease	VOC[b]
MW-3	02/23/90	<0.5	<0.5	<0.5	<0.5	<20	100	NA	NA
	06/15/90	<0.5	<0.5	<0.5	<0.5	200	<50	NA	NA
	08/90	54	380	23	400	3,200	<50	NA	NA
	12/18/90	8.0	12	6.0	24	200	<100	<5,000	4.1[i]
	03/19/91	<0.5	<0.5	<0.5	<0.5	<50	<100	<5,000	ND
	06/27/91	<0.5	<0.5	<0.5	<0.5	<50	<100	<5,000	ND
	09/26/91	<0.5	<0.5	<0.5	<0.5	<50	<100	<5,000	ND
	01/10/92	<0.5	<0.5	<0.5	<0.5	<50	<100	5,100	ND
	03/12-13/92	<0.5	<0.5	<0.5	<0.5	<50	NA	5,000	ND
	06/09/92	<0.5	<0.5	<0.5	<0.5	<50	<100	<5,000	ND
	09/28-29/92	<0.5	<0.5	<0.5	<0.5	<50	NA	<5,000	ND
	12/12/92	<0.5	<0.5	<0.5	1.3	<50	NA	<5,000	NA
	02/02-03/93	<0.5	<0.5	<0.5	<0.5	<50	NA	<5,000	NA
	06/08-09/93	0.6	0.9	3.4	2.8	<50	NA	<5,000	NA
	09/22/93	<0.5	1.0	1.6	4.4	<50	NA	NA	NA
	11/17-18/93	<0.5	<0.5	<0.5	1.5	<50	NA	NA	NA
	02/16-17/94	1.5	5.3	1.6	9.2	<50	NA	NA	NA
	05/12-13/94	<0.5	0.8	<0.5	2.8	<50	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (μg/L)

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH/TVH[a] as gasoline	Lead	Total Oil and Grease	VOC[b]
MW-4	06/15/90	<0.5	<0.5	<0.5	<0.5	<20	<50	NA	NA
	08/90	5.2	5.4	5.4	9.9	120	<50	NA	NA
	12/18/90	7.0	1.0	<0.3	2.0	50	<100	NA	NA
	03/19/91	1.8	0.8	2.2	11	160	<100	NA	ND
	06/27/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND
	09/26/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	1.0[g]
	01/10/92	0.9	<0.5	7.6	4.4	98	<100	NA	1.0[g]
	03/12-13/92	1.2	<0.5	5.3	4.3	82	NA	NA	ND
	06/09/92	0.6	1.0	<0.5	2.5	<50	<100	NA	0.7[g]
	09/28-29/92	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND
	12/12/92	1.0	0.9	7.0	11	99	NA	NA	ND
	02/02-03/93	2.3	2.2	6.2	8.4	170	NA	NA	ND
	06/08-09/93	0.7	0.9	0.7	<0.5	<50	NA	NA	0.6[g]
	09/22-23/93	0.8	2.0	3.1	5.3	59	NA	NA	ND
	11/17-18/93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND
	02/16-17/94	8.7	17	4.2	24	98	NA	NA	0.5[g]
	05/12-13/94	0.8	0.9	0.7	6.1	<50	NA	NA	ND
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND
	12/02/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (μg/L)

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH/TVH[a] as gasoline	Lead	Total Oil and Grease	VOC[b]
MW-5	06/15/90	<0.5	<0.5	<0.5	<0.5	<20	60	NA	NA
	08/90	9.7	12	7.6	17	120	<50	NA	NA
	12/18/90	2.0	3.5	2.0	8.0	50	<100	NA	NA
	03/19/91	<0.5	<0.5	<0.5	<0.5	160	<100	NA	0.5[d]
	06/27/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND
	09/26/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND
	01/10/92	<0.5	<0.5	<0.5	0.6	98	<100	NA	ND
	03/12-13/92	<0.5	<0.5	<0.5	<0.5	82	NA	NA	ND
	06/09/92	NS	NS	NS	NS	NS	NS	NS	NS
	09/28-29/92	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND
	12/12/92	0.9	11	0.5	3.1	210	NA	NA	NA
	02/02-03/93	<0.5	2.7	<0.5	0.9	70	NA	NA	NA
	06/08-09/93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
	09/22-23/93	1.0	<0.5	1.1	2.1	<50	NA	NA	NA
	11/17-18/93	<0.5	<0.5	<0.5	0.9	<50	NA	NA	NA
	02/16-17/94	1.2	4.3	1.4	8.2	<50	NA	NA	NA
	05/12-13/94	1.7	2.3	1.5	9.1	<50	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (μg/L)

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH/TVH[a] as gasoline	Lead	Total Oil and Grease	VOC[b]
MW-6	03/19/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND
	06/27/91	2.6	1.8	0.8	<0.30	<50	<100	NA	ND
	09/26/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND
	01/10/92	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND
	03/12-13/92	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND
	06/09/92	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND
	09/28-29/92	<0.5	<0.5	0.9	0.9	<50	NA	NA	ND
	12/12/92	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
	02/02/93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
	06/08/93	0.6	0.7	1.7	1.8	<50	NA	NA	NA
	09/22/93	<0.5	<0.5	0.7	1.1	<50	NA	NA	NA
	11/17-18/93	0.6	0.8	1.2	3.9	<50	NA	NA	NA
	02/16-17/94	3.8	7.9	2.0	11	51	NA	NA	NA
	05/12-13/94	0.6	1.0	<0.5	2.7	<50	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (μg/L)

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH/TVH[a] as gasoline	Lead	Total Oil and Grease	VOC[b]
MW-7	03/19/91	<0.5	<0.5	<0.5	<0.5	140	<100	NA	0.7[d] 0.8[l]
	06/27/91	5.2	5.6	3.9	16	100	<100	NA	ND
	09/26/91								
	01/10/92	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND
	03/12-13/92	<0.5	<0.5	<0.5	<0.5	120		NA	ND
	06/09/92	<0.5	<0.5	<0.5	<0.5	81	<100	NA	ND
	09/28-29/92	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND
	12/12/92	5.1	6.9	3.3	19	200	NA	NA	NA
	02/02-03/93	<0.5	6.6	0.6	1.7	170	NA	NA	NA
	06/08-09/93	<0.5	0.8	<0.5	<0.5	<50	NA	NA	NA
	09/22-23/93	0.6	0.9	0.7	1.1	<50	NA	NA	NA
	11/17-18/93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
	02/16-17/94	0.9	2.7	<0.5	3.2	<50	NA	NA	NA
	05/12-13/94	<0.5	1.1	<0.5	1.6	<50	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
MW-8	06/08-09/93	<0.5	1.1	0.8	1.7	65	NA	NA	NA
	09/22-23/93	4.1	8.9	6.7	14	110	NA	NA	NA
	11/17-18/93	<0.5	0.9	<0.5	<0.5	78	NA	NA	NA
	02/16-17/94	<0.5	1.8	<0.5	<0.5	<50	NA	NA	NA
	05/12-13/94	<0.5	1.0	<0.5	<0.5	<50	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	67	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	110	NA	NA	NA

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (μg/L)

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH/TVH[a] as gasoline	Lead	Total Oil and Grease	VOC[b]
VE-1	09/28/92	NS	NS	NS	NS	NS	NS	NS	NS
	06/08/93	<5.0	15	830	500	5,800	NA	NA	NA
	09/22-23/93	5.4	21	380	240	3,700	NA	NA	NA
	11/17-18/93	5.8	2.0	220	180	3,600	NA	NA	NA
	02/16-17/94	31	4.0	500	300	7,600	NA	NA	NA
	05/12-13/94	0.7	<0.5	56	33	970	NA	NA	NA
	09/07/94	7.3	46	620	150	8,100	NA	NA	NA
	12/02/94	3.4	37	450	210	8,300	NA	NA	NA
VE-2	06/08/93	10	18	900	340	7,000	NA	NA	NA
	09/22-23/93	15	33	240	82	2,600	NA	NA	NA
	11/17-18/93	22	<0.5	220	56	3,500	NA	NA	NA
	02/16-17/94	45	<5.0	220	60	3,400	NA	NA	NA
	05/12-13/94	19	29	66	110	1,900	NA	NA	NA
	09/07/94	5.5	<0.5	9.0	3.0	690	NA	NA	NA
	12/02/94	3.7	21[m]	50	8.8	1,900	NA	NA	NA

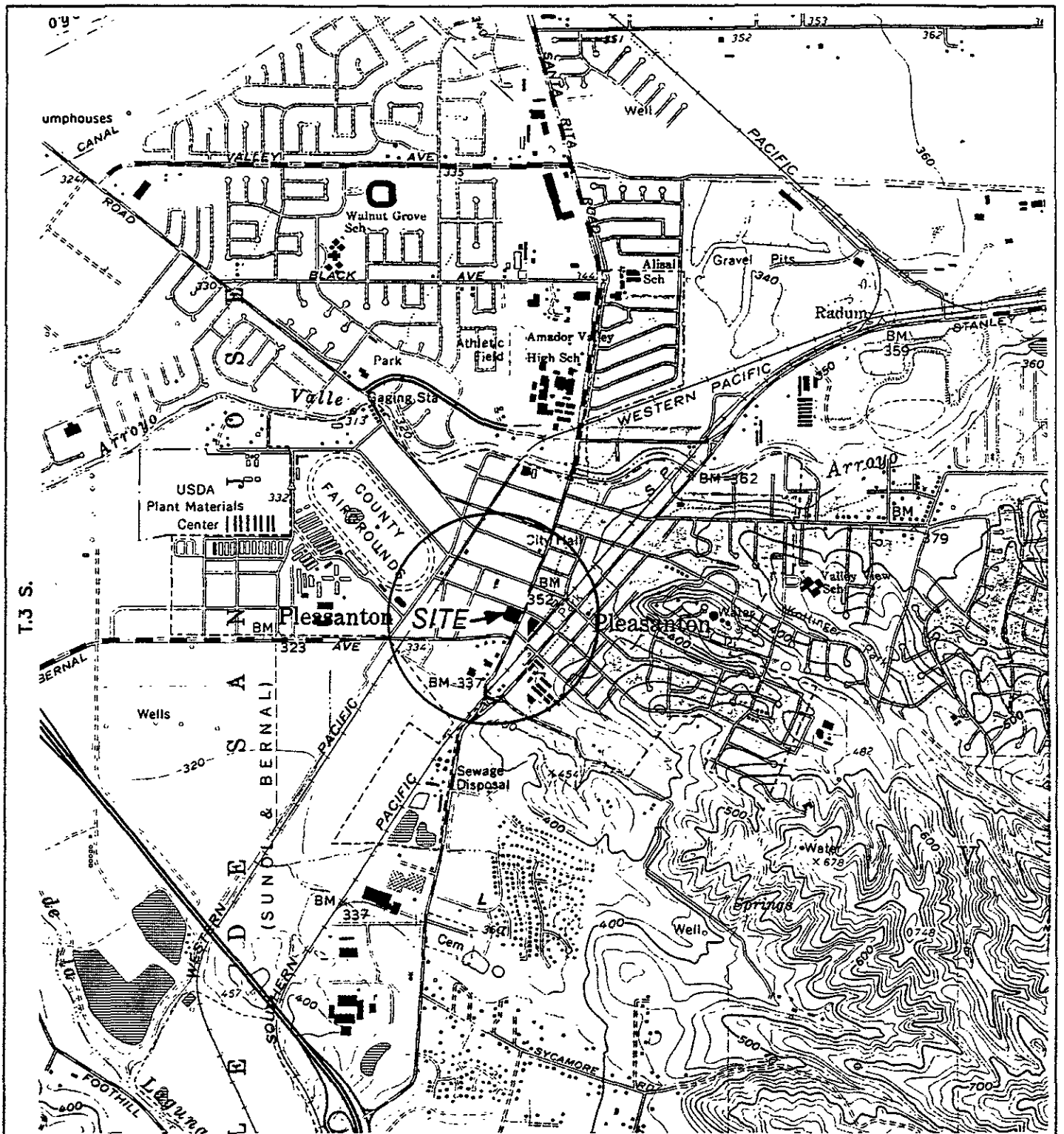
TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (μg/L)

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH/TVH[a] as gasoline	Lead	Total Oil and Grease	VOC[b]
VE-3	06/08/93	3.1	3.1	18	15	130	NA	NA	NA
	09/22-23/93	11	7.3	13	32	130	NA	NA	NA
	11/17-18/93	NS	NS	NS	NS	NS	NS	NS	NS
	02/16-17/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
	05/12-13/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA
	12/02/94	NS	NS	NS	NS	NS	NS	NS	NS

[a] Total petroleum hydrocarbons/total volatile hydrocarbons.
[b] Volatile organic compounds.
[c] Not analyzed.
[d] Chloroform.
[e] Not detected.
[f] Methylene Chloride.
[g] 1,2-Dichloroethane.
[h] Trichloroethene.
[i] Tetrachloroethene.
[j] Sample was diluted due to the presence of high levels of hydrocarbons.
[k] Not sampled.
[l] Bromodichloromethane.
[m] The present of this compound confirmed by second column; however, the confirmation concentration differed from the reported result by more than a factor of two.



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
DUBLIN & LIVERMORE, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

QUADRANGLE LOCATION

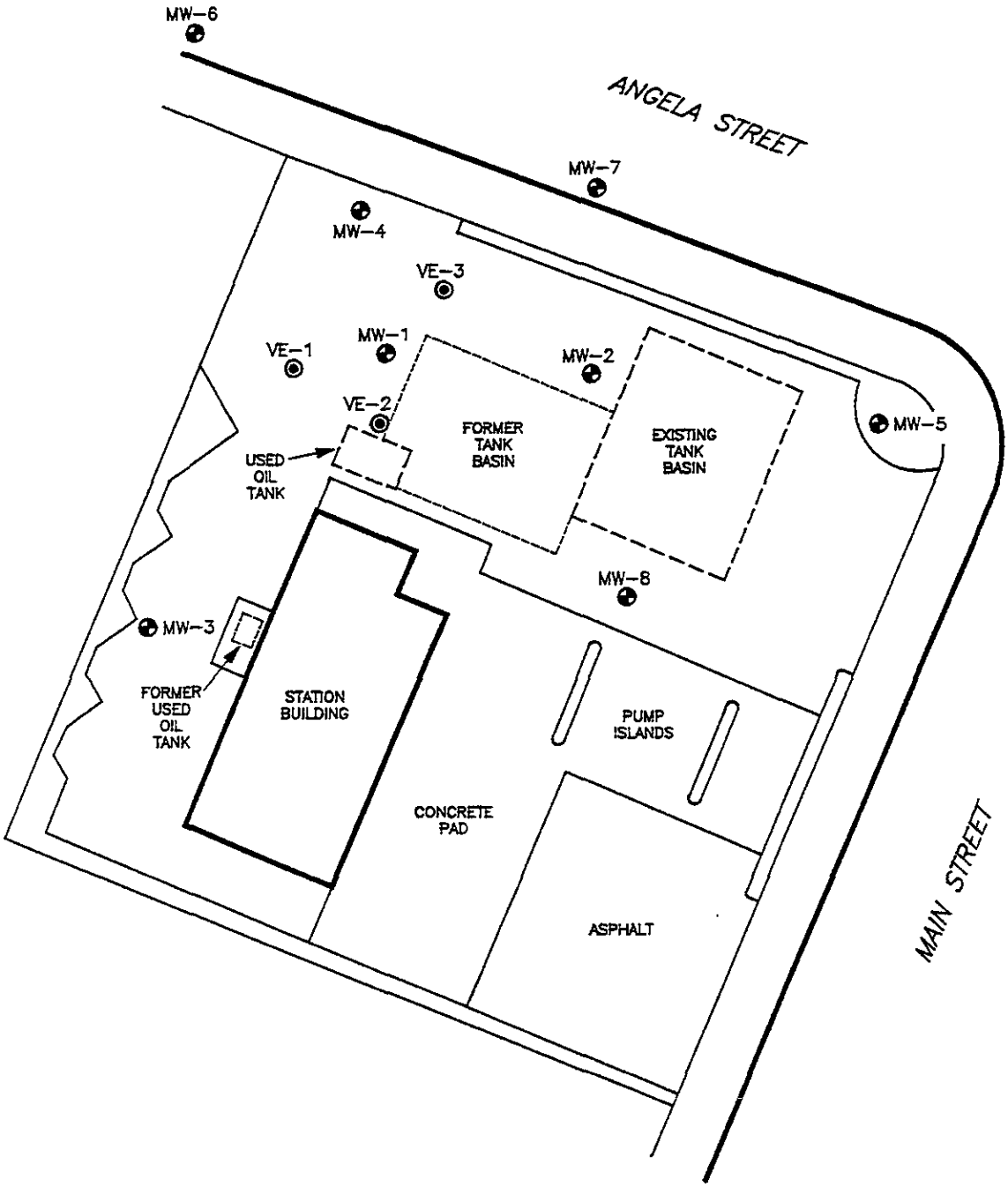
0 2000 FT

SCALE 1 : 24,000

FIGURE 1
SITE LOCATION MAP
EXXON STATION NO. 7-7003
349 MAIN STREET
PLEASANTON, CA.

PROJECT NO. D094-838	DRAWN BY L.H. 8/24/94
FILE NO. —	PREPARED BY REC
REVISION NO. 1	REVIEWED BY JKB 10/14/94

Delta Environmental Consultants, Inc.



North

LEGEND:

- VE-1 VAPOR EXTRACTION WELL LOCATION
- MW-1 MONITORING WELL LOCATION

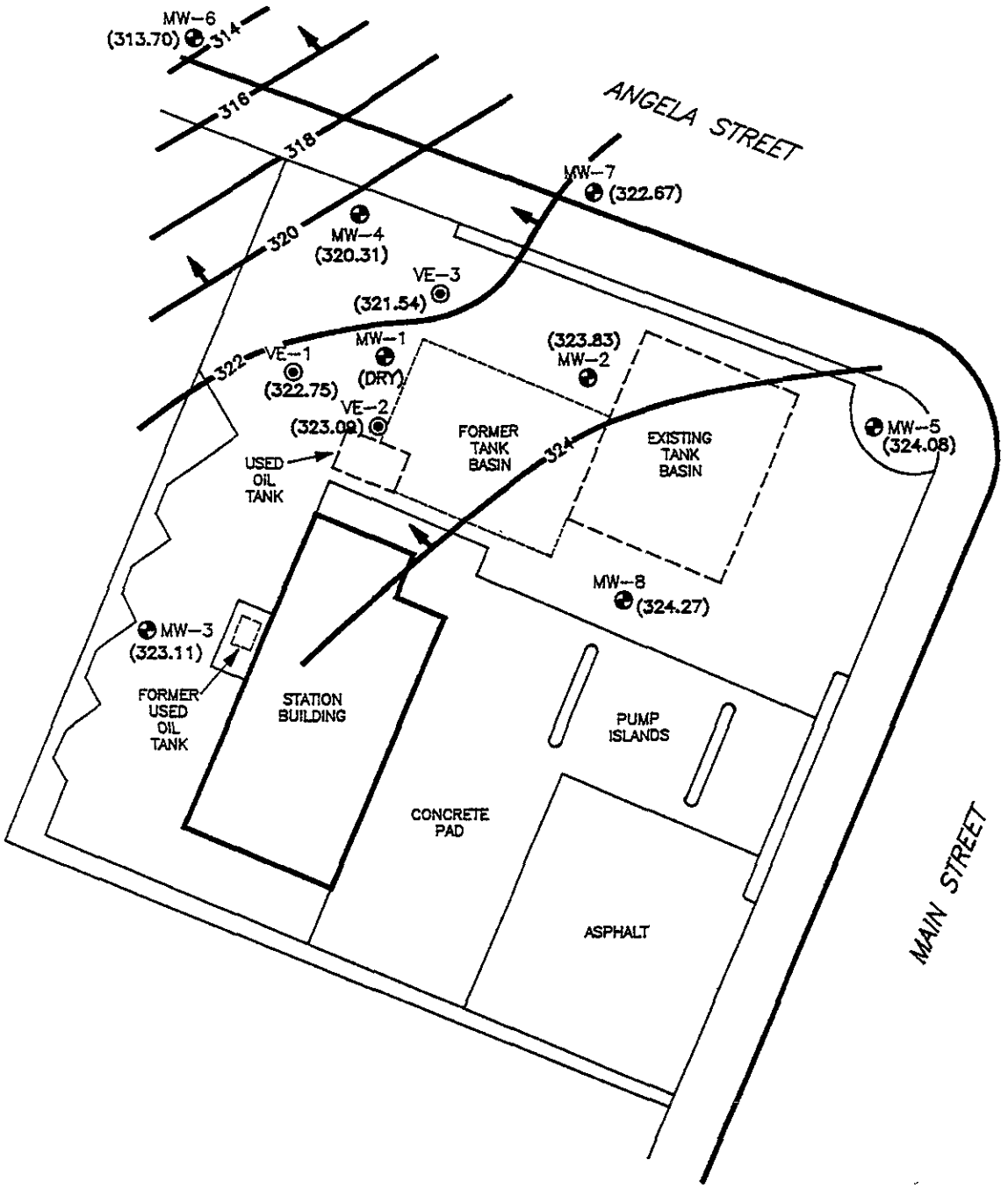
0 30 FT

SCALE

FIGURE 2
SITE MAP
EXXON STATION NO. 7-7003
349 MAIN STREET
PLEASANTON, CA.

PROJECT NO. D094-838	DRAWN BY I.H. 8/24/94
FILE NO. 94-838-1	PREPARED BY REC
REVISION NO. 1	REVIEWED BY 10/14/94

Delta Environmental Consultants, Inc.



LEGEND:

◉ VE-1	VAPOR EXTRACTION WELL LOCATION
◕ MW-1	MONITORING WELL LOCATION
(323.09)	GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
—322—	INFERRED WATER TABLE CONTOUR IN FEET ABOVE MEAN SEA LEVEL
←	GROUND WATER FLOW DIRECTION

0 30 FT

SCALE

FIGURE 3

WATER TABLE CONTOUR MAP – 12/2/94

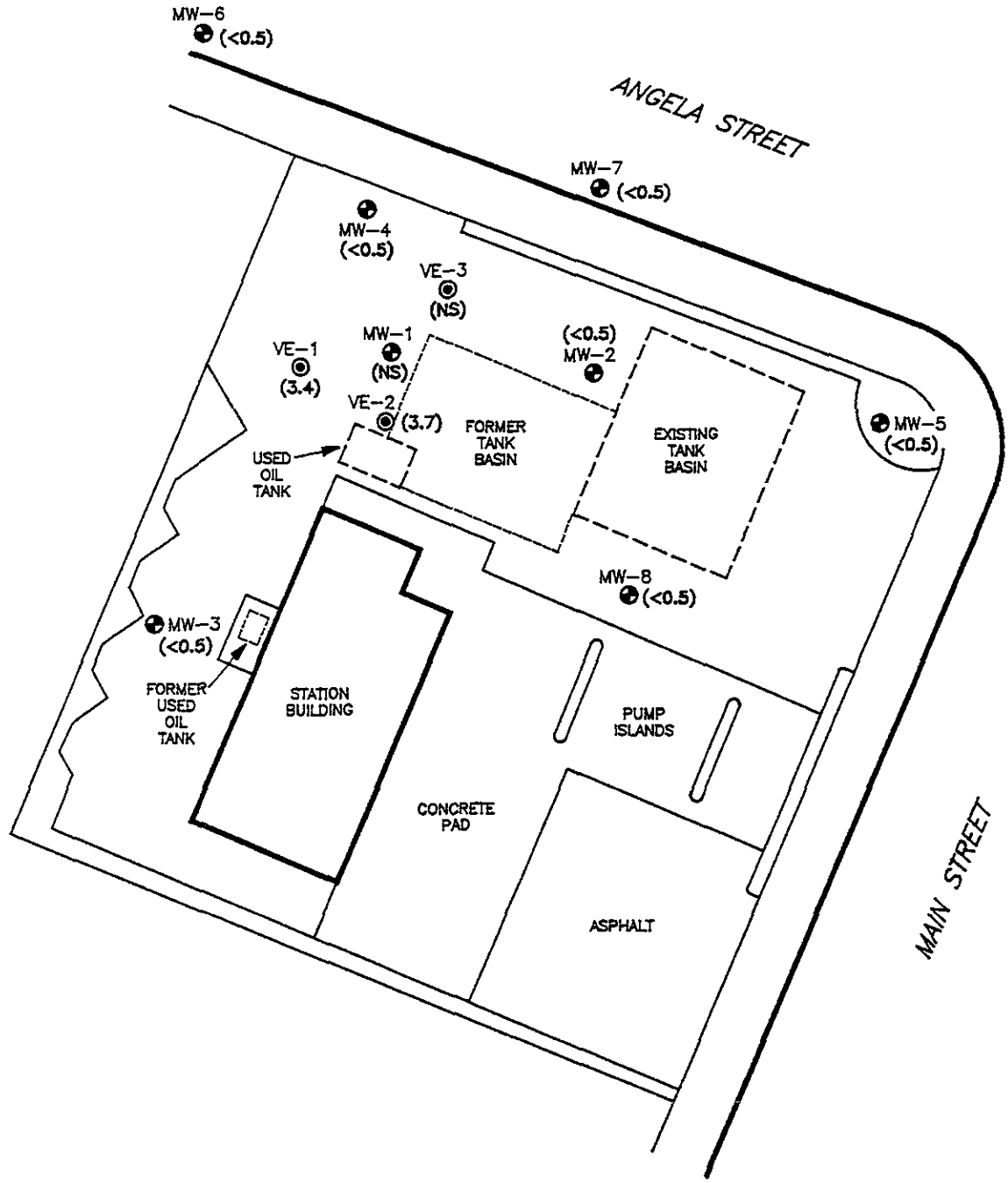
EXXON STATION NO. 7-7003

349 MAIN STREET

PLEASANTON, CA.

PROJECT NO. D094-838	DRAWN BY DNR 12/30/94
FILE NO. 94-838-1	PREPARED BY REC
REVISION NO. 1	REVIEWED BY REC

Delta Environmental Consultants, Inc.



LEGEND:

◉ VE-1	VAPOR EXTRACTION WELL LOCATION
◓ MW-1	MONITORING WELL LOCATION
(<0.5)	CONCENTRATION OF DISSOLVED BENZENE IN GROUND WATER IN MICROGRAMS PER LITER
(NS)	NOT SAMPLED

0 30 FT

SCALE

FIGURE 4
DISSOLVED BENZENE DISTRIBUTION MAP
12/2/94
EXXON STATION NO. 7-7003
349 MAIN STREET
PLEASANTON, CA.

PROJECT NO. D094-838	DRAWN BY DNR 12/30/94
FILE NO. 94-838-1	PREPARED BY REC
REVISION NO. 1	REVIEWED BY REC

Delta Environmental Consultants, Inc.

ENCLOSURE A

Field Methods and Procedures

FIELD METHODS AND PROCEDURES

1.0 GROUND WATER AND LIQUID-PHASE PETROLEUM HYDROCARBON DEPTH DETERMINATION

A water/petroleum interface probe was used to determine the thickness of liquid-phase petroleum hydrocarbons (LPH), if present, and a water level indicator was used to determine ground water depth in monitoring wells that do not contain LPH. Depth to ground water was measured from the top of each monitoring well casing. The tip of the water level indicator was subjectively analyzed for LPH sheen. All measurements and physical observations were then recorded in the field.

2.0 SUBJECTIVE ANALYSIS OF GROUND WATER

Prior to purging, a water sample was collected from the monitoring well for subjective analysis. The sample was retrieved by gently lowering a clean, disposal bailer to approximately one-half the bailer length past the air/liquid interface. The bailer was then retrieved and the sample contained within the bailer was examined for floating LPH and the appearance of a petroleum sheen.

3.0 MONITORING WELL PURGING AND SAMPLING

Monitoring wells were purged using a submersible pump until pH, temperature, and conductivity of the purge water had stabilized and a minimum of three to four well volumes of water had been removed. Ground water removed from the wells was stored in 55-gallon barrels at the site. The barrels were labeled with corresponding monitoring well numbers and the date of purging. After purging, ground water levels were allowed to stabilize. A ground water sample was then removed from each of the wells using a disposal bailer. If the well was purged dry, it was allowed to sufficiently recharge and a sample was collected. Samples were collected in air-tight vials, appropriately labeled, and stored on ice from the time of collection through the time of delivery to the laboratory. A chain-of-custody form was completed to ensure sample integrity. Ground water samples were transported to the laboratory and analyzed within the EPA-specified holding times for the requested analyses. Purge water will be collected from the storage barrels in a vacuum truck and transported to an appropriate facility for treatment and/or disposal.

ENCLOSURE B

Ground Water Sample Analytical Report

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

DECEIVED
DEC 22 1994

ANALYTICAL REPORT

Prepared for:

Delta Environmental Consultants, Inc
3330 Data Drive
Rancho Cordova, CA 95670

Date: 16-DEC-94
Lab Job Number: 118834
Project ID: 7-7003
Location: Pleasanton

Reviewed by: [signature]

Reviewed by: [signature]

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 118834
CLIENT: DELTA ENVIRONMENTAL CONSULTANTS
PROJECT ID: 7-7003
LOCATION: Pleasanton

DATE SAMPLED: 12/02/94
DATE RECEIVED:12/02/94
DATE ANALYZED: 12/15/94
DATE REPORTED: 12/16/94

Total Volatile Hydrocarbons with BTXE in Aqueous Solutions
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)
118834-001	MW-7	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
118834-002	MW-6	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
118834-003	MW-4	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
118834-004	MW-5	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
118834-005	MW-8	110	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
118834-007	MW-3	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
118834-009	MW-2	55	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	METHOD BLANK	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	2
RECOVERY, %	119

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 118834
CLIENT: DELTA ENVIRONMENTAL CONSULTANTS
PROJECT ID: 7-7003
LOCATION: Pleasanton

DATE SAMPLED: 12/02/94
DATE RECEIVED:12/02/94
DATE ANALYZED: 12/16/94
DATE REPORTED: 12/16/94

Total Volatile Hydrocarbons with BTXE in Aqueous Solutions
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)
118834-006	VE-2	1,900	3.7	21*	50	8.8
118834-008	VE-1	8,300	3.4	37*	450	210
	METHOD BLANK	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

* Presence of this compound confirmed by second column: however, the confirmation concentration differed from the reported result by more than a factor of two.

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	4
RECOVERY, %	116

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 118834-003
CLIENT: DELTA ENVIRONMENTAL CONSULTANTS
PROJECT ID: 7-7003
LOCATION: Pleasanton
SAMPLE ID: MW-4

DATE SAMPLED: 12/02/94
DATE RECEIVED: 12/02/94
DATE ANALYZED: 12/06/94
DATE REPORTED: 12/16/94

EPA 8010
Purgeable Halocarbons in Water

Compound	Result ug/L	Reporting Limit ug/L
Chloromethane	ND	2
Bromomethane	ND	2
Vinyl chloride	ND	2
Chloroethane	ND	2
Methylene chloride	ND	20
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
Chloroform	ND	1
Freon 113	ND	1
1,2-Dichloroethane	ND	1
1,1,1-Trichloroethane	ND	1
Carbon tetrachloride	ND	1
Bromodichloromethane	ND	1
1,2-Dichloropropane	ND	1
cis-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
1,1,2-Trichloroethane	ND	1
trans-1,3-Dichloropropene	ND	1
Dibromochloromethane	ND	1
Bromoform	ND	2
Tetrachloroethene	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

Surrogate Recovery, %	106

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 118834-METHOD BLANK
CLIENT: DELTA ENVIRONMENTAL CONSULTANTS
PROJECT ID: 7-7003
LOCATION: Pleasanton
SAMPLE ID: MB

DATE ANALYZED: 12/06/94
DATE REPORTED: 12/16/94

EPA 8010
Purgeable Halocarbons in Water

Compound	Result ug/L	Reporting Limit ug/L
Chloromethane	ND	2
Bromomethane	ND	2
Vinyl chloride	ND	2
Chloroethane	ND	2
Methylene chloride	ND	20
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
Chloroform	ND	1
Freon 113	ND	1
1,2-Dichloroethane	ND	1
1,1,1-Trichloroethane	ND	1
Carbon tetrachloride	ND	1
Bromodichloromethane	ND	1
1,2-Dichloropropane	ND	1
cis-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
1,1,2-Trichloroethane	ND	1
trans-1,3-Dichloropropene	ND	1
Dibromochloromethane	ND	1
Bromoform	ND	2
Tetrachloroethene	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

Surrogate Recovery, %	108

Curtis & Tompkins, Ltd

Curtis & Tompkins, Ltd.

8010 MS/MSD Report

Matrix Sample Number: 118873-010
Matrix Sample File: 339W031.RAW
Matrix: WATER
Batch No: 339 9418111 9418112 9418097

Date Analyzed: 06-DEC-94
Spike File: 339W042.RAW
Spike Dup File: 339W043.RAW
Analyst: WW

	Instrdg	SpikeAmt	% Rec	Limits
MS RESULTS				
1,1-Dichloroethene	17.8067	20	88 %	61-145%
Trichloroethene	44.9964	20	99 %	71-120%
Chlorobenzene	15.6478	20	78 %	75-130%
Surrogate Recovery				
Bromobenzene	106.4983	100	106 %	75-125%
MSD RESULTS				
1,1-Dichloroethene	18.8051	20	93 %	61-145%
Trichloroethene	46.3322	20	106 %	71-120%
Chlorobenzene	16.7182	20	84 %	75-130%
Surrogate Recovery				
Bromobenzene	106.257	100	106 %	75-125%
MATRIX RESULTS				
1,1-Dichloroethene	.2613			
Trichloroethene	25.2272			
Chlorobenzene	0			
RPD DATA				
1,1-Dichloroethene	5 %			< 14%
Trichloroethene	3 %			< 14%
Chlorobenzene	7 %			< 13%

Column: Rtx 502.2
Limits based on 3/90 SOW CLP

Results within Specifications - PASS

Curtis & Tompkins, Ltd

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8010/8020 Laboratory Control Sample Report

Date Analyzed: 06-DEC-94
Matrix: WATER
Batch No: 339 9418110

LCS Datafile: 339W041.RAW
Operator: WW
GC ID: GC12

EPA METHOD 8010: HALOGENATED VOLATILE ORGANICS

	Instrdg	SpikeAmt	% Rec	Limits	
1,1-Dichloroethene	23.2394	20	116 %	61-145%	
Chlorobenzene	24.1139	20	121 %	75-130%	
Trichloroethene	26.1885	20	131 %	71-120%	*
Surrogate Recovery					
Bromobenzene	106.3219	100	106 %	75-125%	

EPA METHOD 8020: AROMATIC VOLATILE ORGANICS

Benzene	20.119	20	101 %	76-127%	
Chlorobenzene	20.2905	20	101 %	75-130%	
Toluene	21.2366	20	106 %	76-125%	
Surrogate Recovery					
Bromobenzene	99.3946	100	99 %	75-125%	

Column: Rtx 502.2
Limits based on 3/90 SOW

** Result is out of limits

EXXON COMPANY, U.S.A

P.O.Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.

☒ Berkeley, CA, 2323 5th St., 94710 (510)486-0900

☐ Irvine, CA 2495 Da Vinci, Rd. 92714 (714)252-9700

Consultant's Name: Delta

Page 1 of 1

Address: 3330 Data DR

Site Location: Pleasanton

Project #:

Consultant Project #: D094-838

Consultant Work Release #: 19432528

Project Contact: Rich Chandler

Phone #: 916-638-2085

Laboratory Work Release #:

EXXON Contact:

Phone #:

EXXON RAS #: 7-7003

Sampled by (print): Chris Hill

Sampler's Signature:

Shipment Method:

Air Bill #:

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☒ Standard (10 day)

ANALYSIS REQUIRED

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Presv	# of Cont.	C & T Sample #	TPH/ GAS/ BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH EPA 418.1	8010		Temperature:
												Inbound Seal: Yes No
												Outbound Seal. Yes No
MW 7	12-2-94	0913	water	HCl	3	18834-1	X					
MW 6		0913			3	-2	X					
MW 4		1022			3	-3	X			X		
MW 5		1000			3	-4	X					
MW 8		1030			3	-5	X					
VE 2		1050			3	-6	X					
MW 3		1125			3	-7	X					
VE-1		1130			3	-8	X					
MW 2		1208			3	-9	X					

Relinquished by/Affiliation	Date	Time	Accepted/Affiliation	Date	Time
Delta	12-2-94	1409			

Additional comments: