

Table 2-1: Summary of Monitoring Well Information

Well Identification	Northing	Easting	TOC Elevation (ft MSL)	Well Material	Hydrostratigraphic Unit	Aquifer	Date Well Installed	Date Well Developed
AT-1	236492.1	668340.58	20.41	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MW-100D	236964.21	668415.29	16.45	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-100S	236959.88	668418.62	16.45	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MW-101D	236845.02	668655.36	20.82	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-101S	236842.33	668653.7	20.62	PVC	Bedrock	unconfined	before July 1, 2005	before July 1, 2005
MW-102D	236651.79	668905.29	20.66	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-102S	236655.03	668907.67	20.53	PVC	Bedrock	unconfined	before July 1, 2005	before July 1, 2005
MW-103A	236683.43	668705.65	20.54	PVC	Shallow Bedrock	confined	December 15, 2005	December 20, 2005
MW-103B	236682.6	668695.44	20.54	PVC	Deep Bedrock	confined	December 16, 2005	December 21, 2005
MWR-103D	236674.49	668723.46	20.28	PVC	Deep Bedrock	confined	December 6, 2005	December 7, 2005
MWR-103S	236677.08	668725.99	20.07	PVC	Shallow Bedrock	confined	December 6, 2005	December 7, 2005
MWR-105D	236555.11	668632.69	23.51	PVC	Deep Bedrock	confined	September 20, 2005	September 28, 2005
MWR-105S	236551.44	668633.91	23.31	PVC	unconsolidated	unconfined	September 21, 2005	September 29, 2005
MWR-106D	236464.64	668730.32	20.7	PVC	Deep Bedrock	confined	September 14, 2005	October 25, 2005
MW-106S	236473.85	668738.1	20.56	PVC	Shallow Bedrock	unconfined	before July 1, 2005	before July 1, 2005
MW-107D	236374.52	668874.54	20.52	PVC	Shallow Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-107S	236371.27	668871.82	20.39	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MW-108	236243.62	669142.69	12.15	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MW-109D	236327.48	668450.18	20.54	PVC	Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-109S	236329.11	668448.13	20.64	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MW-110D	236083.96	668812.01	22.83	PVC	Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-110S	236081.77	668815.38	22.47	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MW-112S	235797.44	669204.17	14.51	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MW-113S	235773.51	669398.06	13.56	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MW-117S	235070.57	671286.68	15.95	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MWR-122D	236465.04	668959.63	20.16	PVC	Deep Bedrock	confined	September 13, 2005	September 29, 2005
MW-122S	236486.5	668988.86	19.84	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MW-123	236629.95	668473.66	20.19	PVC	Shallow Bedrock	confined	before July 1, 2005	before July 1, 2005

Notes:

- (1) Top of Casing elevations from Kratzert, Jones and Associates,
- (2) Screen depths, in feet below ground surface, are based on construction logs.

Table 2-1 Summary of Monitoring Well Information (continued)

Well Identification	Northing	Easting	TOC Elevation (ft MSL)	Well Material	Hydrostratigraphic Unit	Aquifer	Date Well Installed	Date Well Developed
MW-124	236478.85	668448.53	20.81	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MW-125	236324.23	668797.83	20.31	PVC	Unconsolidated	unconfined	before July 1, 2005	before July 1, 2005
MW-130	236586.16	668565.32	23.43	Screen is Stainless Steel; Blank casing is PVC	Unconsolidated/shallow bedrock interface	—	before July 1, 2005	December 7, 2005
MW-131D	236672.57	668625.19	21.05	PVC	unconsolidated	unconfined	August 30, 2005	September 1, 2005
MW-131S	236668.73	668630.55	21.17	PVC	unconsolidated	unconfined	August 3, 2005	October 4, 2005
MW-132D	236555.73	668890.7	20.71	PVC	unconsolidated	unconfined	August 2, 2005	October 12, 2005
MW-132S	236559.71	668886.57	21.27	PVC	unconsolidated	unconfined	August 3, 2005	October 12, 2005
MW-133	236461.75	668504.2	23.75	PVC	Deep Bedrock	confined	September 13, 2005	September 13, 2005
MW-134	236461.55	668612.9	23.65	PVC	unconsolidated	unconfined	September 22, 2005	October 13, 2005
MW-135	236644.08	668432.44	19.56	PVC	unconsolidated	unconfined	July 21, 2005	October 13, 2005
MW-136D	236697.88	668709.28	20.26	PVC	unconsolidated	unconfined	December 12, 2005	December 13, 2005
MW-136S	236734.5	668699.33	20.20	PVC	unconsolidated	unconfined	December 8, 2005	December 13, 2005
MW-137	236599.19	668834.96	20.91	PVC	unconsolidated	unconfined	December 14, 2005	December 15, 2005
MW-138	236326.08	669162.77	16.21	PVC	unconsolidated	unconfined	December 8, 2005	December 15, 2005
MW-508D	236663.18	668190.54	17.78	PVC	Shallow Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-508S	236666.79	668193.26	17.63	PVC	Unconsolidated	Perched	before July 1, 2005	before July 1, 2005
MW-118A; Zone 5	236281.49	668710.58	22.09	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-118A; Zone 4	236281.49	668710.58	22.09	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-118A; Zone 3	236281.49	668710.58	22.09	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-119; Zone 6	236193.53	668576.03	20.92	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-119; Zone 5	236193.53	668576.03	20.92	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-119; Zone 4	236193.53	668576.03	20.92	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-119; Zone 2	236193.53	668576.03	20.92	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-120; Zone 5	236303.45	668458.67	21.04	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-120; Zone 4	236303.45	668458.67	21.04	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-120; Zone 3	236303.45	668458.67	21.04	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-120; Zone 2	236303.45	668458.67	21.04	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-120; Zone 1	236303.45	668458.67	21.04	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-121A; Zone 5	236045.99	668879.76	18.82	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005

Notes:

- (1) Top of Casing elevations from Kratzert, Jones and Associates,
- (2) Screen depths, in feet below ground surface, are based on construction logs.

Table 2-1 Summary of Monitoring Well Information (continued)

Well Identification	Northing	Easting	TOC Elevation (ft MSL)	Well Material	Hydrostratigraphic Unit	Aquifer	Date Well Installed	Date Well Developed
MW-121A; Zone 4	236045.99	668879.76	18.82	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-121A; Zone 3	236045.99	668879.76	18.82	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005
MW-121A; Zone 2	236045.99	668879.76	18.82	PVC	Deep Bedrock	confined	before July 1, 2005	before July 1, 2005

Notes:

- (1) Top of Casing elevations from Kratzert, Jones and Associates,
- (2) Screen depths, in feet below ground surface, are based on construction logs.

**Table 2-2: Selected Events in Operation of the Water Level Monitoring System
- 3rd and 4th Quarter 2005 -**

Event	Date
No data for River due to ice	After 12/07/2005 12:56:24 PM
Dewatering Excavation 3 (east of Mat Sump)	8/16 – 8/19
Mat Sump permanently offline	8/3/05 at 13:00
Transducer Downloads	9/26 – 9/27
3 rd Quarter Sampling Event	10/10 - 10/18
4 th Quarter Sampling Event	12/5 – 12/13

Table 2-3: Groundwater Elevation Conditions Observed in the Unconfined Aquifer

- 3rd and 4th Quarter 2005 -

Well ID	General Water Elevation Conditions	Responsive to Local Precipitation?	Exhibits Tidal Response?	Responsive to Dewatering Activities?
MW-100S	General decline from +12 ft MSL to approx. +9 ft MSL until 10/05, then a sudden incline due to heavy rain. Between mid-October and the end of December it was generally steady at approximately +13 ft MSL	Yes	No	No
MW-101S	Between July and October, elevation reaches approximately +13 ft MSL, it dramatically decreases and levels off at approx. +5. ft MSL due to varying head-pressures in the multiple fractures that reside within the screen interval. After the heavy rain in October, the elevation dramatically increases to approx. 15.5 ft MSL and remains here until the end of the 4th quarter	Yes	No	No
MW-102S	Varied (very responsive to all rain events) with general incline from +2.5 ft MSL to +15 ft MSL	Yes	No	Yes
MW-106S	Varied with general incline from -3 ft MSL to +12 ft MSL	Yes	No	Yes
MW-107S	Varied with general incline from +1 ft MSL to +8 ft MSL	Yes	Yes	No
MW-108	Varied with general incline from +2.5 ft MSL to +6 ft MSL	Yes	Yes	No
MW-109S	Varied, but generally steady at approximately +3 ft MSL	Yes	Yes	No
MW-113	Varied, but generally steady at approximately +2.5 ft MSL	Yes	Yes	No
MW-122S	Varied with general incline from +1 ft MSL to +12 ft MSL	Yes	Yes	No
MW-124	Varied, but generally steady at approximately +3.5 ft MSL	No	Yes	No
TW-1	Varied, but generally steady at approximately +2.5 ft MSL	Yes	Yes	No
River	Varied, but generally steady at approx. +1 ft MSL	Yes	Yes	No

**Table 2-4: Groundwater Elevation Conditions Observed in the Confined Aquifer
- 3rd and 4th Quarter 2005 -**

Well ID	General Water Elevation Conditions	Responsive to Local Precipitation?	Exhibits Tidal Response?	Responsive to Dewatering Activities?
MW-101D	Varied with general incline from -16.5 ft MSL to +15 ft MSL	Yes	No	Yes
MW-102D	Varied with general incline from -1.5 ft MSL to +11.5 ft MSL	Yes	No	Yes
MW-107D	Varied with general incline from 0 ft MSL to +10 ft MSL	Yes - also responds to river change	Yes	No
MW-109D	Varied, but generally steady at approximately +3.5 ft MSL	Yes - also responds to river change	Yes	No
MW-110D	Varied, but generally steady at approximately +2.5 ft MSL	Yes - also responds to river change	Yes	No
MW-508D	Varied, but generally steady at approximately +4 ft MSL	Yes - also responds to river change	Yes	No
MW-118A; all zones	3rd Qtr - Varied, but generally steady between approximately +2 and 3 ft MSL 4th Qtr - Varied with general incline from +3 ft MSL to between +7 ft MSL due to heavy rain in October	Yes - also responds to river change	Yes	No
MW-119; all zones	3rd Qtr - Varied, but generally steady at approximately +2.5 ft MSL 4th Qtr - Varied with general incline from +2.5 ft MSL to between +5 and 6 ft MSL due to heavy rain in October	Yes - also responds to river change	Yes	No
MW-120; all zones	3rd Qtr - Varied, but generally steady at approximately +2.5 ft MSL 4th Qtr - Varied with general incline from +2.5 ft MSL to +6.5 ft MSL due to heavy rain in October	Yes - also responds to river change	Yes	Yes
MW-121A; all zones	3rd Qtr - Varied, but generally steady at approximately 2 ft MSL 4th Qtr - Varied with general incline from +2 ft MSL to +5 ft MSL	Yes - also responds to river change	Yes	No

Table 2-5: Static Water Levels in Monitoring Wells
- 3rd and 4th Quarter 2005 -

Well Name	TOC Elevation	3rd Quarter	4th Quarter	Aquifer Monitoring Well Screened in (U, C)
		9/11/05 at 17:40 Groundwater Elevation	11/6/05 at 15:10 Groundwater Elevation	
MW-101D	20.86	2.33	11.20	C
MW-102D	20.65	2.28	7.87	C
MW-107D	20.54	2.12	7.83	C
MW-109D	20.56	2.14	5.77	C
MW-110D	22.86	1.35	3.86	C
MW-508D	17.79	3.00	6.36	C
MW-118A; 75 ft bgs	22.09	1.90	5.36	C
MW-119; 85 ft bgs	20.92	2.95	na	C
MW-120; 90 ft bgs	21.04	2.86	7.24	C
MW-121A; 105 ft bgs	18.82	2.19	4.52	C
Mat Sump	21.72	2.12	na	U/C
MW-100S	16.47	9.31	13.04	U
MW-101S	20.66	4.93	15.39	U
MW-102S	20.57	2.65	11.05	U
MW-106S	20.57	1.47	9.32	U
MW-107S	20.44	1.95	7.25	U
MW-108	12.30	1.99	5.83	U
MW-109S	20.65	1.87	4.09	U
MW-113	13.60	1.16	2.84	U
MW-122S	19.84	1.81	8.94	U
MW-124	20.82	2.27	5.12	U
RIVER	7.90	0.93	2.57	U
TW-1	17.73	2.44	4.23	U
Mat Sump	21.72	2.12	na	U/C

Notes:

1) The date chosen for the contour maps preceded the groundwater monitoring event to ensure that there had not been draw-down in any of the wells.

TOC = Top of casing

U = Unconfined

C = Confined

ft bgs = feet below ground surface

Table 3-1: Summary of Field Parameters for 3rd Quarter 2005

Well ID	Sample Date	Sample Time	Static Water Level	Sampler	DTW (ft)	Turbid. (NTU)	DO (mg/L)	Eh (mv)	pH	Specific Conduct. (ms/cm)	Temp (°C)
ATW1	10/12/05	14:30	15.1	C.G.	15.10	1.00	2.73	116	4.82	1.14	15.38
MW1	10/13/05	10:20	10.51	C.G.	10.63	1.90	5.50	111	5.5	0.303	13.00
MW3	10/13/05	9:30	5.66	C.G.	6.60	9.80	6.00	-19	4.8	0.102	12.00
MW13	10/12/05	15:00	13.93	J.T.	14.09	7.64	0.89	-80	6.6	0.176	13.00
MW100S	10/11/05	8:30	5.43	B.S.	8.06	5.63	6.06	62	6.7	0.08	17.90
MW100D	10/11/05	15:38	2.85	B.S.	15.32	1.28	0.47	27	6.2	0.007	14.40
MW101S	10/11/05	8:58	5.96	P.M.	6.11	0.36	5.97	155	6.9	0.652	19.60
MW101D	10/11/05	11:08	20.65	P.M.	20.72	0.63	1.56	145	8.06	0.17	16.50
MW102S	10/11/05	15:02	11.02	P.M.	13.61	0.72	7.93	177	6.44	0.201	17.70
MW102D	10/13/05	13:45	16.31	P.M.	16.31	4.17	11.12	255	7.36	0.653	15.00
MWR105S	10/12/05	8:45	20.71	J.T.	21.62	3.00	5.90	96	5	0.462	18.00
MWR105D	10/12/05	13:55	21.11	J.T.	22.54	15.80	6.60	88	5.8	0.432	16.00
MW106S	10/14/05	12:05	15.91	P.M.	16.18	12.60	5.92	93	6.03	4.68	13.50
MWR106D ¹	11/02/05	10:30	12.81	M.V.	29.41	8.80	13.50	315	6.6	0.72	14.30
MW107S	10/12/05	8:15	16.34	C.G.	16.54	2.00	2.75	121	4.77	1.27	15.17
MW107D	10/11/05	13:45	16.55	C.G.	18.36	1.00	3.33	201	4.99	0.149	16.12
MW108S	10/11/05	10:40	6.04	C.G.	6.06	3.00	2.56	-132	4.99	0.108	16.68
MW109S	10/11/05	14:45	16.21	J.T.	16.21	1.90	6.30	10	5.7	0.409	15.00
MW109D	10/11/05	11:45	16.77	J.T.	17.73	5.40	6.60	31	6.2	0.497	16.00
MW110S	10/12/05	9:05	15.91	P.M.	15.92	0.00	9.32	252	5.7	0.335	16.70
MW110D	10/12/05	10:48	17.19	P.M.	17.69	0.30	0.00	143	7.03	0.254	15.80
MW112S	10/13/05	9:18	8.7	P.M.	8.71	0.01	5.55	267	5.25	0.073	11.60
MW113S	10/12/05	14:50	7.31	P.M.	7.38	0.29	0.18	239	5.6	0.267	15.30
MW117S	10/13/05	10:10	12.32	C.G.	12.45	5.00	3.02	-69	4.91	0.561	12.38
MW122S	10/10/05	14:32	16.58	P.M.	17.63	0.46	0.37	-91	6.32	0.745	16.10
MWR122D	10/13/05	14:45	15.2	P.M.	16.21	14.50	0.18	-10	8.75	0.136	13.20
MW124	10/10/05	8:40	17.77	C.G.	17.79	1.00	5.82	228	4.94	1.95	14.96

NOTES

- NM: No measurements were taken for this parameter
- NS: Well was not sampled during this event due to low water level
- 1: Well was sampled with a bailer

Table 3-1: Summary of Field Parameters for 3rd Quarter 2005 (continued)

Well ID	Sample Date	Sample Time	Static Water Level	Sampler	DTW (ft)	Turbid. (NTU)	DO (mg/L)	Eh (mv)	pH	Specific Conduct. (ms/cm)	Temp (°C)
MW125	11/1/05	11:22	16.39	M.V.	16.41	1.80	6.10	190	6.7	0.47	14.50
MW130	10/13/05	13:35	20.21	J.T.	20.21	5.40	5.00	-22	5.8	0.564	17.00
MW131D	10/14/05	8:50	17.39	J.T.	17.66	13.60	5.10	39	5.4	0.534	19.00
MW131S	10/14/05	13:05	18.55	J.T.	20.36	9.40	5.50	96	5	0.52	20.00
MW132S	10/14/05	9:05	16.61	P.M.	16.23	1.36	11.66	205	5.47	0.941	10.70
MW133	10/12/05	10:50	20.3	C.G.	20.30	7.00	2.85	31	5.4	1.2	14.79
MW134	10/18/05	10:15	14.40	C.G.	15.05	3.50	2.86	210	6.48	1.38	17.00
MW135	10/18/05	13:30	9.83	C.G.	10.05	1.80	0.00	85	5.89	0.097	15.20
MW202	10/10/05	12:40	19.8	C.G.	19.88	0.60	8.80	315	3.4	0.057	12.20
MW203	10/10/05	11:45	14.66	J.T.	15.04	1.00	2.60	208	5.9	0.069	13.00
MW204	10/10/05	15:40	10.82	J.T.	11.64	1.50	2.20	197	6.2	0.085	15.00
MW205	10/19/05	10:00	9.72	C.G.	10.40	1.20	10.74	236	5.88	0.175	13.70
MW206	10/10/05	14:25	12.46	J.T.	12.61	5.40	0.20	15	6.1	0.089	14.00
MW207	10/14/05	8:55	18.03	C.G.	18.03	1.00	7.89	305	4.6	0.086	12.15
MW208	10/10/05	15:10	27.88	C.G.	27.96	0.05	7.50	272	4.19	0.104	13.30
MW508D	10/11/05	9:07	13.33	B.S.	13.33	0.87	1.19	-115	8	0.145	15.60
MW508S	10/11/05	12:05	8.1	B.S.	8.39	1.38	6.49	-86	6.5	0.94	19.90

NOTES

- NM: No measurements were taken for this parameter
- NS: Well was not sampled during this event due to low water level
- 1 Well was sampled with a bailer

Table 3-2: Summary of Field Parameters for 4th Quarter 2005

Well ID	Sample Date	Time	Static Water Level	Sampler	DTW (ft)	Turbid. (NTU)	DO (mg/L)	Eh (mv)	pH	Specific Conduct. (ms/cm)	Temp °C
ATW1	12/7/05	13:01	15.68	J.R.	15.68	8.70	0.80	-10	5.70	0.864	13.90
MW100D	12/6/05	12:51	0.00	R.A.	5.65	0.29	0.59	56	6.36	0.064	12.44
MW100S	12/6/05	10:06	1.10	R.A.	3.13	0.91	2.41	92	6.80	0.214	11.23
MW101D	12/9/05	11:21	8.05	R.A.	8.23	0.85	5.71	123	8.34	0.164	11.96
MW101S	12/9/05	9:25	5.13	R.A.	5.18	5.17	10.87	148	7.33	0.069	11.50
MW102D ¹	12/8/05	13:50	8.70	R.A.	8.70	11.70	6.70	114	7.95	0.384	9.45
MW102S	12/8/05	13:01	8.58	R.A.	8.63	0.90	10.31	118	6.92	0.088	9.38
MW103A	12/28/05	10:00	8.97	M.V.	9.21	<1.0	2.76	146	5.33	0.990	11.00
MW103B	12/28/05	10:46	11.64	M.V.	17.01	<1.0	2.57	132	5.43	0.293	9.00
MW103D	12/12/05	15:15	7.74	P.M.	8.42	4.31	5.71	118	7.83	0.237	10.98
MW103S	12/12/05	15:05	7.77	J.T.	7.80	3.30	8.00	98	7.20	0.243	11.00
MW105D	12/9/05	11:20	11.35	J.T.	13.05	1.50	1.10	66	7.60	0.322	10.00
MW105S	12/9/05	8:10	12.30	J.T.	13.26	2.70	<1	50	6.00	0.295	10.00
MW106D ¹	12/12/05	15:30	25.00	R.A.	25.00	22.00	9.22	222	7.45	0.603	11.43
MW106S	12/8/05	10:16	9.70	R.A.	9.85	1.81	5.47	94	6.95	0.463	12.96
MW107D	12/8/05	13:00	13.25	J.I.	15.70	2.30	5.30	105	6.60	0.110	14.00
MW107S	12/9/05	9:00	12.90	J.I.	13.50	4.00	4.20	110	6.10	0.350	14.00
MW108S	12/6/05	11:55	7.17	J.I.	7.22	0.70	4.90	-140	6.80	0.100	14.00
MW109D	12/7/05	15:00	15.10	J.I.	17.20	28.30	3.20	40	7.70	0.362	7.00
MW109S	12/9/05	10:00	17.00	J.I.	17.00	6.60	5.40	120	6.20	0.565	13.00
MW110D	12/8/05	9:40	19.62	J.I.	20.42	0.70	4.00	120	7.40	0.282	13.00
MW110S	12/7/05	16:00	20.00	J.R.	20.21	0.80	4.90	171	5.60	0.586	12.90
MW112S	12/12/05	13:11	12.68	R.A.	12.68	2.21	1.90	225	5.69	0.660	11.55
MW113S	12/12/05	10:51	11.63	R.A.	11.63	0.39	1.35	209	6.03	0.288	14.11
MW117S	12/12/05	9:00	9.93	J.T.	10.20	4.00	0.10	-116	6.20	0.537	11.00
MW118A-3	12/8/05	10:43	NA	J.I.	NA	3.20	6.50	204	5.20	0.359	13.00
MW118A-4	12/8/05	15:11	NA	J.I.	NA	1.20	4.20	224	5.20	0.442	11.60

NOTES

- NM: No measurements were taken for this parameter
- NS: Well was not sampled during this event due to low water level
- 1: Well was sampled with a bailer

Table 3-2: Summary of Field Parameters for Fourth Quarter 2004
(continued)

Well ID	Sample Date	Time	Static Water Level	Sampler	DTW (ft)	Turbid. (NTU)	DO (mg/L)	Eh (mv)	pH	Specific Conduct. (ms/cm)	Temp °C
MW118A-5	12/12/05	13:46	NA	J.I.	NA	0.80	4.80	254	5.30	0.726	12.00
MW119-2	12/21/05	15:50	NA	J.T.	NA	25.10	10.40	-69	7.50	0.360	11.10
MW119-4	12/22/05	11:24	NA	J.T.	NA	4.60	10.30	-102	5.20	0.110	10.00
MW119-5	12/22/05	14:26	NA	J.T.	NA	4.40	10.20	-11	5.20	0.255	10.80
MW119-6	12/23/05	11:33	NA	J.T.	NA	17.60	7.50	-152	7.50	0.360	11.10
MW120-1	12/13/05	11:36	NA	J.R.	NA	2.50	5.40	-59	5.30	0.267	11.10
MW120-2	12/14/05	9:40	NA	J.R.	NA	0.70	6.40	-88	5.10	0.220	10.60
MW120-3	12/14/05	13:15	NA	J.R.	NA	1.40	7.00	7	5.20	0.180	9.00
MW120-4	12/15/05	8:26	NA	J.R.	NA	2.50	8.40	219	5.30	0.245	8.10
MW120-5	12/15/05	11:13	NA	J.R.	NA	0.90	10.90	200	5.30	0.307	11.60
MW121A-2	12/16/05	9:40	NA	J.R.	NA	0.70	6.10	219	5.40	1.240	12.80
MW121A-3	12/19/05	8:55	NA	J.R.	NA	2.90	7.10	250	5.20	0.250	10.80
MW121A-4	12/19/05	12:31	NA	J.R.	NA	1.00	8.90	210	5.90	0.230	12.90
MW121A-5	12/19/05	14:54	NA	J.R.	NA	0.60	2.30	140	6.70	0.180	11.80
MWR122D	12/7/05	9:35	13.35	J.I.	14.31	7.50	4.50	-150	9.40	0.091	10.00
MW122S	12/9/05	14:26	9.00	R.A.	9.85	0.60	0.63	-50	6.61	0.570	13.10
MW123S	12/14/05	18:11	15.54	R.A.	15.84	0.93	8.20	178	6.39	2.500	8.80
MW124S	12/6/05	11:30	15.34	J.R.	15.88	0.30	4.00	266	4.60	1.120	14.00
MW125	12/6/05	14:45	17.25	J.I.	17.35	1.00	10.00	166	6.55	1.860	15.72
MW130	12/14/05	18:00	13.20	J.T.	13.21	13.30	0.20	184	5.40	0.271	15.00
MW131D	12/7/05	12:55	8.87	J.T.	9.21	1.40	<0.1	50	7.00	0.380	14.00
MW131S	12/7/05	9:50	8.76	J.T.	10.07	12.70	2.10	231	5.00	0.388	12.00
MW132D	12/7/05	13:21	9.41	R.A.	9.45	0.29	9.27	136	5.96	0.580	10.87
MW132S	12/7/05	11:21	10.00	R.A.	10.02	0.26	9.70	96	6.73	1.140	12.83
MW133	12/6/05	14:46	16.58	J.R.	16.83	1.90	0.40	71	5.60	1.170	13.10
MW134	12/7/05	9:40	13.68	J.R.	14.23	1.30	0.90	182	5.50	1.570	12.20
MW135	12/14/05	18:57	11.56	M.V.	11.61	<0.1	3.40	100	6.20	0.840	13.70
MW136D	12/21/05	8:20	10.63	J.T.	10.91	6.70	3.30	257	5.00	0.410	8.00
MW136S	12/21/05	10:15	6.08	J.T.	7.73	28.40	8.60	198	5.00	0.524	4.00

NOTES

- NM: No measurements were taken for this parameter
- NS: Well was not sampled during this event due to low water level
- 1 Well was sampled with a bailer

**Table 3-2: Summary of Field Parameters for Fourth Quarter 2004
(continued)**

Well ID	Sample Date	Time	Static Water Level	Sampler	DIW (ft)	Turbid. (NTU)	DO (mg/L)	Eh (mv)	pH	Specific Conduct. (ms/cm)	Temp °C
MW137	12/22/05	8:32	8.30	M.V.	8.32	<0.1	9.95	238	4.92	0.290	13.40
MW138	12/23/05	8:23	7.04	M.V.	7.36	9.50	0.18	33	4.58	0.570	10.70
MW508D	12/6/05	9:45	12.65	J.I.	13.70	1.10	5.00	-110	8.40	0.101	12.00
MW508S	12/5/05	15:20	6.46	J.I.	6.85	6.00	3.20	-40	6.60	0.415	16.00
Schmidt Well	12/12/05	12:20	10.72	P.M.	10.72	2.03	10.30	158	6.30	0.070	6.85

NOTES

- NM: No measurements were taken for this parameter
- NS: Well was not sampled during this event due to low water level
- 1 Well was sampled with a bailer

Table 3-3: Sample Locations and Analyses Requested (3rd Quarter 2005)

Well Number	Location	Boron	Gross A/B	Gamma Isotopic	H-3	Sr-90	HTD	Geochem	Total U	Isotopic U
ATW1	Industrial Area	X	X	X	X	X	X		X	
MW100D	Industrial Area	X	X	X	X				X	
MW100S	Industrial Area	X	X	X	X				X	
MW101D	Industrial Area	X	X	X	X	X			X	
MW101S	Industrial Area	X	X	X	X	X			X	
MW102D	Industrial Area	X	X	X	X	X			X	
MW102S	Industrial Area	X	X	X	X	X			X	
MWR103D	Industrial Area	X	X	X	X	X	X		X	
MWR103S	Industrial Area	X	X	X	X	X	X		X	
MWR105D	Industrial Area	X	X	X	X	X	X		X	
MWR105S, Dup	Industrial Area	X	X	X	X	X	X		X	
MW106S	Industrial Area	X	X	X	X	X	X		X	
MW106D	Industrial Area	X	X	X	X	X	X		X	
MW107D	Industrial Area	X	X	X	X	X			X	
MW107S	Industrial Area	X	X	X	X	X			X	
MW108S	Industrial Area	X	X	X	X	X			X	
MW109D	Industrial Area	X	X	X	X	X			X	
MW109S, Dup.	Industrial Area	X	X	X	X	X			X	
MW110D	Industrial Area	X	X	X	X	X			X	
MW110S	Industrial Area	X	X	X	X	X			X	
MW112S	Industrial Area	X	X	X	X	X				
MW113S	Industrial Area	X	X	X	X	X				
MW117S	Industrial Area	X	X	X	X	X				
MWR122D	Industrial Area	X	X	X	X	X			X	

Notes:

HTD: C-14, Fe-55, Ni-63, Tc-99, Pu α (Pu-238, Pu-239,240), Pu-241 Am/Cm α (Am-241, Cm-242, Cm-243,244)
 γ -Isotopic: Mn-54, Co-60, Nb-94, Ag-108m, Cs-134, Cs-137, Eu-152, Eu-154, Eu-155, Am-241
Geochem: Anions (CaO_3^{2-} , HCO_3^- , SO_4^{2-} , Cl^-), Cations (Ca^{+2} , Mg^{+2} , Na^+ , K^+)
Isotopic U: U-234, U-235, U-238, U-235/Total U ratio
Dup: Duplicate sample analysis

Table 3-3: Sample Locations and Analyses Requested (3rd Quarter 2005)
- continued -

Well Number	Location	Boron	Gross A/B	Gamma Isotopic	H-3	Sr-90	HTD	Geochem	Total U	Isotopic U
MW122S	Industrial Area	X	X	X	X	X			X	
MW123S	Industrial Area	X	X	X	X	X				
MW124S	Industrial Area	X	X	X	X	X				
MW125S	Industrial Area	X	X	X	X	X				
MW130	Industrial Area	X	X	X	X	X	X		X	
MW131D, Dup.	Industrial Area	X	X	X	X	X	X		X	
MW131S	Industrial Area	X	X	X	X	X	X		X	
MW132D	Industrial Area	X	X	X	X	X	X		X	
MW132S	Industrial Area	X	X	X	X	X	X		X	
MW133	Industrial Area	X	X	X	X	X	X		X	
MW134	Industrial Area	X	X	X	X	X	X		X	
MW135	Industrial Area	X	X	X	X	X	X		X	
MW200	Industrial Area		X	X						
MW201	Industrial Area		X	X						
MW202	Industrial Area		X	X						
MW203	Industrial Area		X	X						
MW204	Industrial Area		X	X						
MW205	Industrial Area		X	X						
MW206	Industrial Area		X	X						
MW207	Industrial Area		X	X						
MW208	Industrial Area		X	X						
MW508D	Industrial Area	X	X	X	X	X			X	
MW508S	Industrial Area	X	X	X	X	X				
MW601	Industrial Area	X	X	X	X	X			X	

Notes:

HTD: C-14, Fe-55, Ni-63, Tc-99, Pu α (Pu-238, Pu-239,240), Pu-241 Am/Cm α (Am-241, Cm-242, Cm-243,244)
 γ -Isotopic: Mn-54, Co-60, Nb-94, Ag-108m, Cs-134, Cs-137, Eu-152, Eu-154, Eu-155, Am-241
Geochem: Anions (CaO_3^{2-} , HCO_3^- , SO_4^{2-} , Cl^-), Cations (Ca^{+2} , Mg^{+2} , Na^+ , K^+)
Isotopic U: U-234, U-235, U-238, U-235/Total U ratio
Dup: Duplicate sample analysis

Table 3-4: Sample Locations and Analyses Requested (4th Quarter 2005)

Well Number:	Location	Boron	Gross A/B	Gamma Isotopic	H-3	Sr-90	HTD	Geochem	Total U	Isotopic U
ATW1	Industrial Area	X	X	X	X	X	X		X	
MW100D	Industrial Area	X	X	X	X	X			X	
MW100S	Industrial Area	X	X	X	X	X			X	
MW101D	Industrial Area	X	X	X	X	X			X	
MW101S	Industrial Area	X	X	X	X	X			X	
MW102D, Dup.	Industrial Area	X	X	X	X	X	X		X	
MW102S	Industrial Area	X	X	X	X	X	X		X	
MW103A	Industrial Area	X	X	X	X	X	X		X	
MW103B	Industrial Area	X	X	X	X	X	X		X	X
MWR103D	Industrial Area	X	X	X	X	X	X		X	
MWR103S	Industrial Area	X	X	X	X	X	X		X	
MWR105D	Industrial Area	X	X	X	X	X	X		X	X
MWR105S	Industrial Area	X	X	X	X	X	X		X	
MWR106D	Industrial Area	X	X	X	X	X	X		X	
MW106S	Industrial Area	X	X	X	X	X	X		X	
MW107D	Industrial Area	X	X	X	X	X			X	
MW107S	Industrial Area	X	X	X	X	X			X	
MW108S	Industrial Area	X	X	X	X	X			X	
MW109D, Dup.	Industrial Area	X	X	X	X	X			X	
MW109S	Industrial Area	X	X	X	X	X			X	
MW110D	Industrial Area	X	X	X	X	X			X	
MW110S	Industrial Area	X	X	X	X	X			X	
MW112S	Industrial Area	X	X	X	X	X	X			
MW113S	Industrial Area	X	X	X	X	X	X			
MW117S	Industrial Area	X	X	X	X	X				

Notes:

HTD: C-14, Fe-55, Ni-63, Tc-99, Pu α (Pu-238, Pu-239,240), Pu-241 Am/Cm α (Am-241, Cm-242, Cm-243,244)
 γ -Isotopic: Mn-54, Co-60, Nb-94, Ag-108m, Cs-134, Cs-137, Eu-152, Eu-154, Eu-155, Am-241
 Geochem: Anions (CaO_3^{2-} , HCO_3^- , SO_4^{2-} , Cl^-), Cations (Ca^{+2} , Mg^{+2} , Na^+ , K^+)
 Isotopic U: U-234, U-235, U-238, U-235/Total U ratio
 Dup.: Duplicate sample analysis

Table 3-4: Sample Locations and Analyses Requested (4th Quarter 2005)

- continued -

Well Number:	Location	Boron	Gross A/B	Gamma isotopic	H-3	Sr-90	HTD	Geochem	Total U	Isotopic U
MW118A-3	Industrial Area	X	X	X	X	X	X		X	X
MW118A-4, Dup.	Industrial Area	X	X	X	X	X	X		X	
MW118A-5	Industrial Area	X	X	X	X	X				
MW118A (Blank)	Industrial Area	X	X	X	X	X				
MW119-2	Industrial Area	X	X	X	X	X			X	X
MW119-4	Industrial Area	X	X	X	X	X			X	X
MW119-5	Industrial Area	X	X	X	X	X	X		X	X
MW119-6	Industrial Area	X	X	X	X	X				
MW119 (Blank)	Industrial Area	X	X	X	X	X				
MW120-1	Industrial Area	X	X	X	X	X			X	X
MW120-2	Industrial Area	X	X	X	X	X			X	
MW120-3	Industrial Area	X	X	X	X	X			X	X
MW120-4	Industrial Area	X	X	X	X	X			X	X
MW120-5	Industrial Area	X	X	X	X	X	X			
MW120 (Blank)	Industrial Area	X	X	X	X	X				
MW121A-2	Industrial Area	X	X	X	X	X				
MW121A-3	Industrial Area	X	X	X	X	X				
MW121A-4	Industrial Area	X	X	X	X	X	X			
MW121A-5	Industrial Area	X	X	X	X	X				
MW121A (Blank)	Industrial Area	X	X	X	X	X				
MWR122D	Industrial Area	X	X	X	X	X			X	
MW122S	Industrial Area	X	X	X	X	X			X	
MW123S	Industrial Area	X	X	X	X	X				
MW124S	Industrial Area	X	X	X	X	X				
MW125S	Industrial Area	X	X	X	X	X				
MW130	Industrial Area	X	X	X	X	X	X		X	

Notes:

HTD: C-14, Fe-55, Ni-63, Tc-99, Pu α (Pu-238, Pu-239,240), Pu-241 Am/Cm α (Am-241, Cm-242, Cm-243,244)
 γ -Isotopic: Mn-54, Co-60, Nb-94, Ag-108m, Cs-134, Cs-137, Eu-152, Eu-154, Eu-155, Am-241
 Geochem: Anions (CaO₃⁻², HCO₃⁻, SO₄⁻², Cl⁻), Cations (Ca⁺², Mg⁺², Na⁺, K⁺)
 Isotopic U: U-234, U-235, U-238, U-235/Total U ratio
 Dup: Duplicate sample analysis

Table 3-4: Sample Locations and Analyses Requested (4th Quarter 2005)

- continued -

Well Number:	Location	Boron	Gross A/B	Gamma isotopic	H-3	Sr-90	HTD	Geochem	Total U	Isotopic U
MW131D	Industrial Area	X	X	X	X	X	X		X	
MW131S	Industrial Area	X	X	X	X	X	X		X	
MW132D	Industrial Area	X	X	X	X	X	X		X	
MW132S	Industrial Area	X	X	X	X	X	X		X	
MW133, Dup.	Industrial Area	X	X	X	X	X	X		X	
MW134	Industrial Area	X	X	X	X	X	X		X	
MW135	Industrial Area	X	X	X	X	X	X		X	
MW136D	Industrial Area	X	X	X	X	X	X		X	
MW136S	Industrial Area	X	X	X	X	X	X		X	
MW137	Industrial Area	X	X	X	X	X	X		X	
MW138	Industrial Area	X	X	X	X	X	X		X	
Schmidt Well	Industrial Area		X	X						
MW508D	Industrial Area	X	X	X	X	X			X	
MW508S	Industrial Area	X	X	X	X	X				
MW601	Industrial Area	X	X	X	X	X			X	

Notes:

HTD: C-14, Fe-55, Ni-63, Tc-99, Pu α (Pu-238, Pu-239,240), Pu-241 Am/Cm α (Am-241, Cm-242, Cm-243,244)
 γ -Isotopic: Mn-54, Co-60, Nb-94, Ag-108m, Cs-134, Cs-137, Eu-152, Eu-154, Eu-155, Am-241
 Geochem: Anions (CaO_3^{-2} , HCO_3^{-} , SO_4^{-2} , Cl^{-}), Cations (Ca^{+2} , Mg^{+2} , Na^{+} , K^{+})
 Isotopic U: U-234, U-235, U-238, U-235/Total U ratio
 Dup: Duplicate sample analysis

Table 4-1: Boron Concentrations (µg/L) in Groundwater

Well ID	2004 Q1	2004 Q2	2004 Q3	2004 Q4	2005 Q1	2005 Q2	2005 Q3	2005 Q4
MW100D	19.9	10.4	25.4	13.7	7.07	7.6	11.3	17.2
MW100S	212	25.3	151	143	114	39.2	76.6	81.9
MW101D	49.4	54	55.7	56.4	55.3	48.9	69.4	52.7
MW101S	49	68.6	144	24.9	61.4	50.3	371	28
MW102D	113	97.1	124	135	97.1	79.5	83.6	108
MW102S	60.8	91.2	174	47	83.2	67.3	282	26.7
MW103D	90.9	57.1	70.3	57.4	-	-	-	132
MW103S	85.7	165	324	-	-	-	-	49.8
MW104S	299	274	268	172	138	107	-	-
MW105D	67.5	60.8	-	-	-	-	106	100
MW105S	735	484	-	-	-	-	45.3	39.5
MW106D	74.3	64.7	85.7	124	229	363	389	356
MW106S	-	490	581	802	803	505	565	401
MW107D	38	32.1	32.5	16.7	35.1	39.2	32.2	30.2
MW107S	192	177	99.7	189	178	202	148	125
MW108S	-	68.3	161	180	83.5	87.1	103	109
MW109D	210	191	184	176	168	180	195	170
MW109S	254	124	130	98.6	137	123	112	109
MW110D	179	236	408	102	182	104	182	237
MW110S	238	291	284	281	246	227	359	127
MW111S	-	55.5	-	-	-	-	-	-
MW112S	-	47.8	77.1	74.5	61	54.1	56.1	60.5
MW113S	-	110	130	106	98.2	94.5	99.1	103
MW114S	173	1260	-	-	-	-	-	-
MW115S	195	-	-	-	-	-	-	-
MW117S	-	68.5	71.8	78.7	73.2	69	64	74
MW118A-3	-	-	-	-	-	-	-	252
MW118A-4	-	-	-	-	-	-	-	291
MW118A-5	-	-	-	-	-	-	-	249
MW119-2	-	-	-	-	-	-	-	216
MW119-4	-	-	-	-	-	-	-	94.6
MW119-5	-	-	-	-	-	-	-	336
MW119-6	-	-	-	-	-	-	-	165
MW120-1	-	-	-	-	-	-	-	89.6
MW120-2	-	-	-	-	-	-	-	116
MW120-3	-	-	-	-	-	-	-	65.7
MW120-4	-	-	-	-	-	-	-	80.3
MW120-5	-	-	-	-	-	-	-	94.9
MW121A-2	-	-	-	-	-	-	-	311
MW121A-3	-	-	-	-	-	-	-	268
MW121A-4	-	-	-	-	-	-	-	176
MW121A-5	-	-	-	-	-	-	-	28.8
MW122D	224	223	264	92.2	208	213	227	244
MW122S	317	307	220	184	205	188	174	425
MW123S	107	90.8	134	113	89.3	116	-	121
MW124S	228	225	244	258	189	162	158	176

NOTES

<50: Observed boron concentration was less than the Method Detection Limit (MDL)

-: Not measured

Table 4-1: Boron Concentrations (µg/L) in Groundwater (continued)

Well ID	2004 Q1	2004 Q2	2004 Q3	2004 Q4	2005 Q1	2005 Q2	2005 Q3	2005 Q4
MW125S	390	445	531	308	-	143	169	254
MW200	-	-	-	14.4	-	-	-	-
MW203	-	-	-	19.1	-	-	-	-
MW205	-	-	-	57	-	-	-	-
MW207	-	-	-	26.8	-	-	-	-
MW208	-	-	-	52.7	-	-	-	-
MW1	-	5.08	5.2	8.85	-	-	-	-
MW2	-	15.5	18	19.5	-	-	-	-
MW3	-	5.67	7.95	6.9	-	-	-	-
MW4	-	-	-	14	-	-	-	-
MW502	-	65.2	63.1	73.1	88.5	80.8	-	-
MW503	-	10.7	11.8	13.1	12.3	15	-	-
MW504	-	42.7	49.6	50.6	37.7	41.5	-	-
MW505	-	54.4	59.9	80	63.5	51	-	-
MW507D	-	36.7	35.4	34.4	45.3	21.3	-	-
MW507S	-	52.8	58.8	57.1	25.2	44.2	-	-
MW508D	-	66.1	59.1	58.9	57.1	57.4	56.8	61.5
MW508S	-	41.9	64.1	61.5	37.7	43.7	50.2	66.6
ATW1	-	-	-	42	37.6	74.9	31.6	105
CMS	-	-	-	111	57.6	51.5	-	-
EOF2	-	63.4	65.5	85.6	47.5	52.5	-	-

NOTES

<50: Observed boron concentration was less than the Method Detection Limit (MDL)

-: Not measured

Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW100D	2002 Q1	-	-	-	< 5.01
MW100D	2002 Q2	-	-	-	< 2.89
MW100D	2002 Q3	< 0.83	3.59	-	< 3.22
MW100D	2002 Q4	< 0.875	2.37	-	< 3.46
MW100D	2003 Q1	< 0.672	3.02	-	< 4.09
MW100D	2003 Q2	2	6.6	-	< 5.9
MW100D	2003 Q3	< 0.916	< 2.68	-	< 4.22
MW100D	2003 Q4	0.775	2.58	-	< 7.76
MW100D	2004 Q1	< 0.952	1.31	-	< 3.59
MW100D	2004 Q2	2.38	< 2.29	-	< 4.32
MW100D	2004 Q3	13.9	13.6	-	< 2.01
MW100D	2004 Q4	< 1.32	2.7	-	< 5.79
MW100D	2005 Q1	< 2.44	< 3.57	-	1.8
MW100D	2005 Q2	< 1.98	1.65	-	< 4.34
MW100D	2005 Q3	< 1.51	3.72	-	< 2.76
MW100D	2005 Q4	< 1.67	< 2.9	< 0.214	< 2.9
MW100S	2002 Q1	-	-	-	3.21
MW100S	2002 Q2	-	-	-	< 2.18
MW100S	2002 Q3	0.601	5.72	-	< 3.59
MW100S	2002 Q4	< 4.02	19.3	-	< 3.18
MW100S	2003 Q1	< 1.24	8.73	-	< 4.65
MW100S	2003 Q2	< 1.8	4.76	-	< 6.5
MW100S	2003 Q3	< 0.914	4	-	< 4.18
MW100S	2003 Q4	< 1.41	6.52	-	< 7.48
MW100S	2004 Q1	< 2.8	4.23	-	< 3.13
MW100S	2004 Q2	< 2.27	1.51	-	< 2.21
MW100S	2004 Q3	< 1.24	2.46	-	< 2.19
MW100S	2004 Q4	< 1.73	1.37	-	< 4.75
MW100S	2005 Q1	< 5.17	< 6.09	-	< 6.42
MW100S	2005 Q2	< 2.05	2.01	-	< 4.9
MW100S	2005 Q3	< 1.36	2.01	-	< 3.59
MW100S	2005 Q4	< 1.67	3.07	< 0.461	< 3.9
MW101D	2002 Q1	-	-	-	< 2.92
MW101D	2002 Q2	-	-	-	< 3.12
MW101D	2002 Q3	5.84	6.18	< 0.583	< 3.52
MW101D	2002 Q4	4.8	5.84	-	< 3.11
MW101D	2003 Q1	5.34	6.65	-	< 6.21
MW101D	2003 Q2	5.09	9.12	-	< 8.7
MW101D	2003 Q3	6.41	5.81	-	< 3.82
MW101D	2003 Q4	6.02	4.95	-	< 8.19
MW101D	2004 Q1	6.52	1.7	< 1.16	< 7.09
MW101D	2004 Q2	8.5	6.18	< 1.23	< 3.52

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW101D	2004 Q3	11.2	5.85	0.519	< 4.02
MW101D	2004 Q4	5.17	< 2.02	< 0.937	< 5.02
MW101D	2005 Q1	22.7	9.48	0.609	< 4.95
MW101D	2005 Q2	7.11	6.94	< 1.5	< 5.68
MW101D	2005 Q3	13.7	6.05	< 1.16	< 3.46
MW101D	2005 Q4	9.29	5.52	< 0.949	< 2.45
MW101S	2002 Q1	-	-	-	< 2.78
MW101S	2002 Q2	-	-	-	1.64
MW101S	2002 Q3	0.913	5.74	0.547	< 3.15
MW101S	2002 Q4	< 0.643	2.45	-	< 3.09
MW101S	2003 Q1	< 0.769	2.82	0.38	< 4.06
MW101S	2003 Q2	< 2.1	3.32	< 1.7	< 8.3
MW101S	2003 Q3	0.845	4.86	0.33	< 4.78
MW101S	2003 Q4	0.788	7.55	0.473	< 9.3
MW101S	2004 Q1	< 0.977	1.87	< 1.2	< 4.31
MW101S	2004 Q2	1.59	3.27	< 1.2	< 3.59
MW101S	2004 Q3	1.38	4.32	< 0.938	< 4.76
MW101S	2004 Q4	< 1.31	3.05	< 0.98	< 5.36
MW101S	2005 Q1	< 3.34	9.01	1.71	< 3.61
MW101S	2005 Q2	0.66	3.62	< 1.54	< 6.62
MW101S	2005 Q3	1.62	6.03	< 1.31	< 3.68
MW101S	2005 Q4	< 1.77	2.86	< 1.35	< 4.3
MW102D	2002 Q1	9.74	7.42	< 0.664	< 2.41
MW102D	2002 Q2	5.53	6.97	< 0.721	1.98
MW102D	2002 Q3	8.93	8.69	< 0.636	6.14
MW102D	2002 Q4	5.55	50.1	< 0.85	6.69
MW102D	2003 Q1	3.57	15.6	< 0.578	12.7
MW102D	2003 Q2	8.6	58.1	< 1.6	< 6.1
MW102D	2003 Q3	-	-	-	-
MW102D	2003 Q4	11.1	11.1	< 1.25	< 8.71
MW102D	2004 Q1	11.3	6.89	< 1.11	< 3.92
MW102D	2004 Q2	8.51	9.95	0.928	< 3.43
MW102D	2004 Q3	7.38	5.64	< 0.805	< 3.58
MW102D	2004 Q4	10.4	8.6	< 0.636	< 5.14
MW102D	2005 Q1	5.06	2.62	1.71	< 6.27
MW102D	2005 Q2	8.07	8.12	< 1.21	2
MW102D	2005 Q3	14	7.8	0.79	< 3.98
MW102D	2005 Q4	15	6.77	< 0.347	< 3.98
MW102S	2002 Q1	1.05	6.15	< 0.716	< 3.05
MW102S	2002 Q2	1.48	4.52	< 0.716	< 3.01
MW102S	2002 Q3	1.01	5.16	< 0.52	< 2.98
MW102S	2002 Q4	0.755	3.05	< 0.644	< 3.4
MW102S	2003 Q1	< 0.84	4.68	0.376	< 4.85
MW102S	2003 Q2	1.52	4.7	1.08	< 10
MW102S	2003 Q3	0.944	5.73	0.549	< 4.61

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW102S	2003 Q4	< 1.28	4.95	< 1.26	< 7.25
MW102S	2004 Q1	< 1.5	2.28	< 1.2	< 3.67
MW102S	2004 Q2	1.66	2.05	< 1.2	< 5.06
MW102S	2004 Q3	1.24	6.51	< 1.3	27.2
MW102S	2004 Q4	< 1.65	2.43	< 1.13	< 2.19
MW102S	2005 Q1	1.77	8.97	1.38	< 4.64
MW102S	2005 Q2	1.07	4.1	< 1.43	< 3.04
MW102S	2005 Q3	1.21	5.77	< 1.27	< 3.6
MW102S	2005 Q4	< 3.39	2.06	< 1.08	< 5.46
MW103D	2002 Q1	3.07	3.38	< 0.603	< 2.78
MW103D	2002 Q2	6.87	7.39	< 0.691	< 2.19
MW103D	2002 Q3	8.63	12.9	< 0.63	< 3.64
MW103D	2002 Q4	4.64	5.42	< 0.593	< 3.3
MW103D	2003 Q1	4.11	5.68	< 1.78	< 3.58
MW103D	2003 Q2	< 2.6	4.85	< 1.9	< 7.3
MW103D	2003 Q4	4.4	6.7	0.372	< 7.7
MW103D	2004 Q1	5.19	6.06	< 0.815	< 2.7
MW103D	2004 Q2	2.72	3.36	1.26	< 2.23
MW103D	2004 Q3	4.37	1.82	< 0.895	< 2.9
MW103D	2004 Q4	5.97	5.14	< 0	< 3.6
MW103D	2005 Q4	19.2	13.4	0.594	< 5.52
MW103S	2002 Q1	1.85	37.6	5.23	30.2
MW103S	2002 Q2	1.64	81.5	15.3	58.5
MW103S	2002 Q3	1.57	46	3.81	38.1
MW103S	2002 Q4	0.677	40.6	5.57	38
MW103S	2003 Q1	4.33	76.9	6.75	87.6
MW103S	2003 Q2	< 0	42.2	1.13	26.6
MW103S	2003 Q3	1.25	41.8	2.59	38.1
MW103S	2003 Q4	1.05	13.5	< 0.615	13.5
MW103S	2004 Q1	1.53	27.8	2.27	22.4
MW103S	2004 Q2	2.33	23.5	1.34	7.5
MW103S	2004 Q3	17.5	47.6	3.67	2.62
MW103S	2005 Q4	5.69	18.7	0.979	12.8
MW104S	2002 Q1	-	-	-	< 5.23
MW104S	2002 Q2	-	-	-	< 2.2
MW104S	2002 Q3	2.85	14.8	-	< 3.35
MW104S	2002 Q4	1.01	6.9	-	< 3.09
MW104S	2003 Q1	0.734	7.56	-	< 5.23
MW104S	2003 Q2	6.1	42.87	3.14	< 8.5
MW104S	2003 Q3	3.86	18	2.02	< 4.29
MW104S	2003 Q4	1.52	9.06	0.861	< 8.76
MW104S	2004 Q1	1.25	4.11	< 0.685	< 2.09
MW104S	2004 Q2	2.49	6.23	< 1.35	< 2.26
MW104S	2004 Q3	1.06	4.76	< 0.962	< 4.19
MW104S	2004 Q4	< 2.14	5.59	< 0.862	< 3.39

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW104S	2005 Q1	2.2	10.8	3.05	< 4.48
MW104S	2005 Q2	6.32	36.1	1.72	< 3.71
MW105D	2002 Q1	1.47	4.72	< 0.571	< 2.67
MW105D	2002 Q2	1.39	2.33	< 0.597	< 2.26
MW105D	2002 Q3	3.06	6.69	< 0.738	< 3.17
MW105D	2002 Q4	2.15	5.72	< 0.596	< 3.12
MW105D	2003 Q1	2.43	4.46	0.655	< 4.17
MW105D	2003 Q2	3.59	9.01	< 1.5	< 7.9
MW105D	2003 Q3	6.7	6.62	< 0.427	< 3.47
MW105D	2003 Q4	5.08	5.78	1.33	< 10.10
MW105D	2004 Q1	2.59	3.56	< 0.811	< 2.48
MW105D	2004 Q2	5.3	5.67	1.11	< 2.33
MW105D	2005 Q3	32.2	19.2	< 1.72	< 2.77
MW105D	2005 Q4	23.6	14.5	0.938	< 3.22
MW105S	2002 Q1	1.11	242	122	< 2.48
MW105S	2002 Q2	< 1.34	238	116	< 2.55
MW105S	2002 Q3	< 1.17	180	101	< 3.29
MW105S	2002 Q4	< 0.872	159	83.3	< 3.37
MW105S	2003 Q1	< 1.04	253	138	< 4.23
MW105S	2003 Q2	< 3.2	490.1	181.6	< 4.7
MW105S	2003 Q3	< 1.69	45.5	197	< 3.64
MW105S	2003 Q4	0.794	297	27.6	< 8.14
MW105S	2004 Q1	< 1.2	192	91.8	< 1.86
MW105S	2004 Q2	< 2.01	44.3	16.2	< 2.03
MW105S	2005 Q3	1.45	9.39	< 1.25	< 4.85
MW105S	2005 Q4	< 2.44	6.79	< 0.386	< 3.91
MW106D	2002 Q1	1.03	5.89	< 0.597	< 3.18
MW106D	2002 Q2	1.13	6.01	< 0.527	1.92
MW106D	2002 Q3	1.16	8.31	< 0.546	< 2.4
MW106D	2002 Q4	1.43	4.27	< 0.624	< 2.4
MW106D	2003 Q1	1.19	7.4	0.362	< 3.97
MW106D	2003 Q2	3.02	10.94	< 1.5	< 10
MW106D	2003 Q3	2.45	10.3	0.795	< 4.25
MW106D	2003 Q4	4.76	7.73	0.502	< 6.9
MW106D	2004 Q1	2.75	4.12	< 1.17	< 2.24
MW106D	2004 Q2	1.16	3.23	< 1.2	< 2.11
MW106D	2004 Q3	4.62	6.41	< 0.991	< 3.82
MW106D	2004 Q4	14	14.7	< 0.524	< 3.66
MW106D	2005 Q1	37.1	14.5	1.37	< 7.79
MW106D	2005 Q2	45.7	31	< 1.08	< 2.05
MW106D	2005 Q3	11.7	21.1	2.37	< 3.23
MW106D	2005 Q4	14.8	32.9	2.18	< 3.65
MW106S	2002 Q1	1.36	25.4	8.38	< 2.05
MW106S	2002 Q2	< 1.24	34	13	< 2.28
MW106S	2002 Q3	< 1.49	11.2	2.26	2.76

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW106S	2002 Q4	< 1.26	23.2	9.35	< 2.55
MW106S	2003 Q1	1.01	36.1	13.5	< 4.54
MW106S	2003 Q2	< 3.1	54.6	18.68	< 8.5
MW106S	2003 Q3	< 5.33	801	3.71	< 4.77
MW106S	2003 Q4	2.25	19.7	4.35	< 9.28
MW106S	2004 Q1	1.54	13.9	1.21	< 1.98
MW106S	2004 Q2	2.73	19.5	3.17	< 2.61
MW106S	2004 Q3	3.86	36	7.3	< 3.66
MW106S	2004 Q4	< 3.57	39.3	8.56	< 4.08
MW106S	2005 Q1	< 3.41	16.7	5.52	13.1
MW106S	2005 Q2	12.7	31.2	2.16	< 4.74
MW106S	2005 Q3	3.72	26.7	1.23	< 3.88
MW106S	2005 Q4	< 2.42	11.7	2.4	2.76
MW107D	2002 Q1	1.98	5.38	< 0.628	< 3.11
MW107D	2002 Q2	1.3	3.87	< 0.6	< 2.65
MW107D	2002 Q3	0.81	5.3	< 0.557	< 2.64
MW107D	2002 Q4	1.1	3.97	< 0.572	< 2.75
MW107D	2003 Q1	1.16	4.02	-	< 3.87
MW107D	2003 Q2	< 0	4.4	< 1.7	< 5.4
MW107D	2003 Q3	< 2.56	3.72	0.325	< 4.25
MW107D	2003 Q4	0.916	3.01	< 0.669	< 9.04
MW107D	2004 Q1	1.33	5.79	< 1.23	< 4.4
MW107D	2004 Q2	< 2.53	7	< 1.2	< 3.61
MW107D	2004 Q3	< 1.58	5.68	< 0.708	< 5.6
MW107D	2004 Q4	< 1.43	< 2.18	< 0.639	< 3.33
MW107D	2005 Q1	5.39	10.7	0.507	< 6.8
MW107D	2005 Q2	1.76	8.87	< 1.13	< 5.95
MW107D	2005 Q3	8.84	15.3	< 1.47	< 3.6
MW107D	2005 Q4	1.43	6.22	< 1.55	< 3.76
MW107S	2002 Q1	-	-	-	< 4.37
MW107S	2002 Q2	< 0.944	4.61	0.26	< 2.42
MW107S	2002 Q3	< 1.14	5.11	< 0.593	< 3.43
MW107S	2002 Q4	< 0.822	2.77	0.444	< 2.65
MW107S	2003 Q1	0.633	3.49	0.542	< 3.29
MW107S	2003 Q2	< 2.7	4.2	< 1.9	< 7.6
MW107S	2003 Q3	< 0.923	4.4	0.361	< 5.18
MW107S	2003 Q4	< 1.29	1.73	0.535	< 9.23
MW107S	2004 Q1	< 1.28	1.55	< 1.37	< 3.52
MW107S	2004 Q2	< 2.66	1.69	2.69	< 3.39
MW107S	2004 Q3	2.39	8.01	< 0.988	< 3.21
MW107S	2004 Q4	1.21	5.62	0.838	< 12.40
MW107S	2005 Q1	< 2.34	4.63	0.966	< 4.62
MW107S	2005 Q2	< 1.2	5.36	< 0.968	< 2.98
MW107S	2005 Q3	< 2.92	7.7	< 1.68	< 2.88
MW107S	2005 Q4	< 2.38	7.9	< 1.12	< 3.3

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW108S	2002 Q1	-	-	-	< 4.16
MW108S	2002 Q2	-	-	-	< 2.25
MW108S	2002 Q3	1.16	9.36	-	< 3.25
MW108S	2002 Q4	0.554	2.51	-	< 2.31
MW108S	2003 Q1	0.455	2.16	-	< 4.8
MW108S	2003 Q2	< 2.5	4	-	< 4.3
MW108S	2003 Q3	0.823	2.51	-	< 4.61
MW108S	2003 Q4	1.45	2.79	0.626	< 9.08
MW108S	2004 Q1	< 1.11	2.63	< 0.887	< 3.6
MW108S	2004 Q2	3.9	5.72	< 1.4	< 3.43
MW108S	2004 Q3	0.832	4.12	0.464	< 3.1
MW108S	2004 Q4	< 1.62	3.46	< 0.812	6.61
MW108S	2005 Q1	< 1.18	7.66	< 0.947	< 5.92
MW108S	2005 Q2	< 1.12	2.81	< 1.3	< 5.49
MW108S	2005 Q3	< 2.32	4.75	0.877	< 3.63
MW108S	2005 Q4	< 2.23	3.35	< 1.19	< 5.51
MW109D	2002 Q1	3.7	7.47	< 0.666	< 2.6
MW109D	2002 Q2	4.62	5.54	< 0.495	< 2.52
MW109D	2002 Q3	3.72	6.2	< 0.568	< 2.13
MW109D	2002 Q4	< 0.834	1.82	< 0.646	< 3.13
MW109D	2003 Q1	6.52	11.9	-	2.4
MW109D	2003 Q2	9	11.49	< 1.9	< 8.2
MW109D	2003 Q3	0.914	5.57	< 0.39	< 4.34
MW109D	2003 Q4	-	-	< 0.497	-
MW109D	2004 Q1	6.95	7.6	< 1.01	< 2.02
MW109D	2004 Q2	7.78	9.21	< 1.16	< 8.77
MW109D	2004 Q3	6.18	4.19	< 0.732	< 4.66
MW109D	2004 Q4	5.08	6.38	< 0.609	< 3.14
MW109D	2005 Q1	7.68	10.6	< 0.89	< 5.5
MW109D	2005 Q2	7.91	10.7	< 1.01	< 5.47
MW109D	2005 Q3	4.32	7.17	< 1.38	< 3.48
MW109D	2005 Q4	7.92	10.4	< 1.27	< 2.68
MW109S	2002 Q1	< 1.54	6.33	0.903	< 2.88
MW109S	2002 Q2	< 1.23	8.49	0.656	< 2.76
MW109S	2002 Q3	< 1.79	12.8	0.967	< 3.25
MW109S	2002 Q4	1.25	10.1	0.901	< 3.47
MW109S	2003 Q1	< 1.5	7.85	0.983	< 3.8
MW109S	2003 Q2	< 2.9	11.2	< 1.7	< 6.1
MW109S	2003 Q3	< 2.61	11.5	0.694	1.87
MW109S	2003 Q4	< 2.03	10.8	1.01	< 9.7
MW109S	2004 Q1	< 1.37	9.63	< 1.11	< 3.36
MW109S	2004 Q2	< 2.32	6.53	0.801	< 2.08
MW109S	2004 Q3	< 2.01	9.04	0.381	< 7.89
MW109S	2004 Q4	< 1.35	< 2.31	< 1.3	4.03
MW109S	2005 Q1	< 2.49	11	1.39	< 5.17

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW109S	2005 Q2	< 1.74	11	< 1.18	< 5.98
MW109S	2005 Q3	< 1.53	5.61	0.915	< 3.05
MW109S	2005 Q4	< 2.91	8.13	0.589	< 3.3
MW110D	2002 Q1	11	12.6	< 0.562	< 2.84
MW110D	2002 Q2	7.78	9.14	< 0.52	< 2.48
MW110D	2002 Q3	7.73	11.2	2.54	< 2.17
MW110D	2002 Q4	8.25	8.83	< 0.696	< 3.26
MW110D	2003 Q1	6.04	9.95	< 0.551	< 5.04
MW110D	2003 Q2	6.1	12	< 1.7	< 7.5
MW110D	2003 Q3	5.82	20.5	0.356	< 3.96
MW110D	2003 Q4	8.15	11.5	0.453	< 8.19
MW110D	2004 Q1	7.07	7.14	0.657	< 3.34
MW110D	2004 Q2	5.63	8.5	< 1.15	< 1.94
MW110D	2004 Q3	6.99	8.48	< 0.751	< 5.55
MW110D	2004 Q4	3.46	6.34	< 1.15	< 4.97
MW110D	2005 Q1	6.92	7.54	0.969	< 4.67
MW110D	2005 Q2	7.46	8.31	< 1.55	< 3.61
MW110D	2005 Q3	8.94	8.12	< 1.23	< 3.43
MW110D	2005 Q4	12.2	10.4	< 0.371	< 3.56
MW110S	2002 Q1	< 0.965	4.07	0.339	< 3.05
MW110S	2002 Q2	< 0.952	6.51	< 0.545	< 2.57
MW110S	2002 Q3	< 0.813	4.39	< 0.683	< 2.72
MW110S	2002 Q4	< 0.863	4.28	< 0.528	< 2.31
MW110S	2003 Q1	< 0.858	7.47	0.322	< 4.97
MW110S	2003 Q2	< 2.7	7.3	< 1.6	< 4.6
MW110S	2003 Q3	< 1.93	3.99	< 0.423	< 3.45
MW110S	2003 Q4	< 1.22	4.7	0.439	< 6.15
MW110S	2004 Q1	< 1.33	1.88	< 1.7	< 3.41
MW110S	2004 Q2	< 2.44	4.35	0.689	< 3.05
MW110S	2004 Q3	< 1.78	4.46	< 0.937	< 4.98
MW110S	2004 Q4	< 1.32	3.24	< 0.919	< 4.21
MW110S	2005 Q1	< 13.10	26.9	1.45	< 5.77
MW110S	2005 Q2	< 26.30	11.1	2.35	< 4.94
MW110S	2005 Q3	< 2.38	5.61	< 2.03	< 3.78
MW110S	2005 Q4	< 2.79	6.37	0.361	< 2.85
MW111S	2002 Q1	1	5.31	< 0.629	< 2.42
MW111S	2002 Q2	< 0.696	2.76	< 0.722	< 2.8
MW111S	2002 Q3	0.541	7.39	-	< 3.69
MW111S	2002 Q4	< 0.671	5.01	< 0.527	< 2.69
MW111S	2003 Q1	0.548	3.24	-	< 3.82
MW111S	2003 Q2	< 2.2	5.1	-	< 8.5
MW111S	2003 Q3	< 0.714	4.12	-	< 4.5
MW111S	2003 Q4	< 0.657	5.52	0.346	< 7.09
MW111S	2004 Q1	0.731	4.95	< 0.788	< 3.06
MW111S	2004 Q2	< 2.49	2.06	< 1.11	< 2.4

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW112S	2002 Q1	-	-	-	< 3.35
MW112S	2002 Q2	-	-	-	< 1.96
MW112S	2002 Q3	< 0.788	3.61	-	< 3.01
MW112S	2002 Q4	< 0.685	1.99	-	< 2.11
MW112S	2003 Q1	< 0.717	< 2.58	-	< 4.92
MW112S	2003 Q2	< 2.1	2.02	-	< 7.5
MW112S	2003 Q3	< 0.931	2.62	-	< 4.87
MW112S	2003 Q4	< 0.595	< 2.5	5.49	< 8.17
MW112S	2004 Q1	< 0.96	< 2.38	< 0.765	< 3.44
MW112S	2004 Q2	1.56	< 1.97	0.697	< 4.43
MW112S	2004 Q3	< 1.24	1.63	< 0.823	< 3.26
MW112S	2004 Q4	< 1.43	< 1.98	< 1.05	< 5.63
MW112S	2005 Q1	1.16	< 2.49	< 1.77	< 3.59
MW112S	2005 Q2	< 1.54	1.92	< 1.39	< 4.16
MW112S	2005 Q3	< 1.49	< 3.33	< 1.57	< 3.6
MW112S	2005 Q4	< 1.56	< 4.15	< 1.11	< 2.55
MW113S	2002 Q1	-	-	-	< 4.17
MW113S	2002 Q2	-	-	-	< 3.04
MW113S	2002 Q3	2.95	31.4	-	< 2.94
MW113S	2002 Q4	1.82	30.3	-	< 3.51
MW113S	2003 Q1	0.892	23.4	-	< 2.32
MW113S	2003 Q2	< 3.2	16.8	< 1.7	< 9.7
MW113S	2003 Q3	< 3.12	23.4	0.579	< 0
MW113S	2003 Q4	< 1.53	22.7	0.838	< 9.04
MW113S	2004 Q1	< 1.93	16.3	0.373	< 3.16
MW113S	2004 Q2	< 2.38	8.3	0.665	< 2.26
MW113S	2004 Q3	< 2.88	17.5	< 0.802	< 3.28
MW113S	2004 Q4	1.09	16.2	< 1.03	2.8
MW113S	2005 Q1	1.01	19.8	< 1.42	< 3.38
MW113S	2005 Q2	< 1.92	13.1	< 1.35	< 3.35
MW113S	2005 Q3	< 2.02	14.6	< 1.53	< 3.72
MW113S	2005 Q4	< 2.18	12.5	< 1.13	< 5.84
MW114S	2002 Q1	0.684	20.7	3.63	< 3.4
MW114S	2002 Q2	0.947	17.3	3.26	< 2.65
MW114S	2002 Q3	< 0.885	11.5	1.45	< 2.99
MW114S	2002 Q4	< 0.923	11.6	2.62	< 2.89
MW114S	2003 Q1	< 3.42	49.1	16.6	< 3.83
MW114S	2003 Q2	2.98	12.96	< 1.8	< 4.3
MW114S	2003 Q3	< 1.94	7.24	0.725	< 3.88
MW114S	2003 Q4	< 1.17	7.7	1.15	< 9.1
MW114S	2004 Q1	< 1.79	18.5	3.92	< 4.12
MW114S	2004 Q2	6.29	8.11	< 1.19	< 3.68
MW115S	2002 Q1	6.38	23	3.85	3.18
MW115S	2002 Q2	< 0.827	5.95	0.524	1.59
MW115S	2002 Q3	1.3	17.6	2.4	7.59

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW115S	2002 Q4	1.5	13.2	1.42	3.72
MW115S	2003 Q1	1.56	11.9	1.33	2.55
MW115S	2003 Q2	< 2.1	4.6	< 1.5	< 6.6
MW115S	2003 Q4	1.88	8.49	1.41	< 9.79
MW115S	2004 Q1	1.42	8.62	1.64	2.84
MW117S	2002 Q1	-	-	-	< 4.84
MW117S	2002 Q2	-	-	-	< 2.47
MW117S	2002 Q3	1.59	8.36	-	< 3.43
MW117S	2002 Q4	< 1.27	7.66	1.28	< 3.21
MW117S	2003 Q1	0.902	8.13	1.41	< 4.38
MW117S	2003 Q2	3.8	11.66	1.4	< 9.3
MW117S	2003 Q3	< 2.25	9.49	1.42	< 4.21
MW117S	2003 Q4	< 2.24	9.65	0.765	< 6.78
MW117S	2004 Q1	< 2.97	5.41	< 1.09	< 3.76
MW117S	2004 Q2	< 1.44	7.28	0.791	< 4.08
MW117S	2004 Q3	< 1.33	6.91	0.813	< 2.3
MW117S	2004 Q4	< 1.65	4.91	< 1.55	< 5.39
MW117S	2005 Q1	1.21	3.96	0.666	< 3.57
MW117S	2005 Q2	< 2.61	6.05	< 1.4	< 4.5
MW117S	2005 Q3	< 2.12	6.35	1.72	< 3.51
MW117S	2005 Q4	< 1.33	6.88	1.25	< 2.39
MW118A-3	2005 Q4	163	76.1	< 0.995	< 0
MW118A-4	2005 Q4	24.3	17.2	< 1.46	< 3.65
MW118A-5	2005 Q4	7.81	15.4	< 1.96	< 0
MW119-2	2005 Q4	410	213	< 1.33	< 2.42
MW119-4	2005 Q4	40.6	30.3	1.75	< 2.28
MW119-5	2005 Q4	458	223	< 1.17	< 3.04
MW119-6	2005 Q4	6.95	9.84	2.02	< 2.57
MW120-1	2005 Q4	42.6	35.9	< 1.66	< 3.46
MW120-2	2005 Q4	29.2	29.5	< 0.922	< 2.06
MW120-3	2005 Q4	58.4	33.4	< 1.48	< 2.41
MW120-4	2005 Q4	39	18.4	< 1.29	< 1.96
MW120-5	2005 Q4	6.58	6.77	< 1.53	< 2.23
MW121A-2	2005 Q4	5.62	6.58	< 1.79	< 1.97
MW121A-3	2005 Q4	7.7	6.88	< 0.963	< 2.77
MW121A-4	2005 Q4	8.09	20.3	1.58	< 2.31
MW121A-5	2005 Q4	10.1	16.5	< 0.913	< 2.53
MW122D	2003 Q1	12	12	< 0.693	< 4.64
MW122D	2003 Q2	12.6	27.7	1.21	< 9.2
MW122D	2003 Q3	21.5	18.7	< 0.398	< 4.02
MW122D	2003 Q4	9.8	10.8	0.207	< 9.7
MW122D	2004 Q1	6.2	6.64	0.552	3.19
MW122D	2004 Q2	7.14	5.21	3.29	< 3.28
MW122D	2004 Q3	4.53	4.76	< 0.852	< 3.72
MW122D	2004 Q4	6.68	1.96	< 0.825	< 4.55

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW122D	2005 Q1	3.34	3.47	< 1.45	< 6.29
MW122D	2005 Q2	3.85	7.73	1.5	< 3.09
MW122D	2005 Q3	5.06	6.62	< 1.48	< 4.42
MW122D	2005 Q4	3.86	7.35	< 1.29	6.21
MW122S	2003 Q1	1.18	6.41	1.59	< 3.56
MW122S	2003 Q2	< 3.2	14.11	< 1.7	< 8.6
MW122S	2003 Q3	< 3.49	11.2	1.24	< 2.98
MW122S	2003 Q4	< 2.19	8.64	0.812	< 9.97
MW122S	2004 Q1	< 1.58	6.46	0.644	< 3.31
MW122S	2004 Q2	4.88	8.4	0.568	< 3.87
MW122S	2004 Q3	< 2.47	9.86	1.23	< 5.29
MW122S	2004 Q4	< 1.87	< 2.37	< 0.936	< 5.25
MW122S	2005 Q1	< 2.06	4.58	1.2	< 5.97
MW122S	2005 Q2	< 1.96	8.54	1.08	< 4.45
MW122S	2005 Q3	< 1.91	5.59	< 1.72	< 3.08
MW122S	2005 Q4	1.33	11.2	0.436	< 3.02
MW123S	2003 Q1	12.9	18.4	0.627	< 4.26
MW123S	2003 Q2	5.1	24.7	< 1.6	< 5.1
MW123S	2003 Q4	7.7	14.9	1.37	< 7.97
MW123S	2004 Q1	4.19	14.7	0.866	< 4.31
MW123S	2004 Q2	4.63	19.6	< 1.34	2.46
MW123S	2004 Q3	6.37	22.1	0.55	2.45
MW123S	2004 Q4	8.04	28.6	0.522	< 7.75
MW123S	2005 Q1	11	34.1	1.38	< 11.60
MW123S	2005 Q2	8.83	20.4	0.853	< 4.41
MW123S	2005 Q4	5.6	18.2	< 1.25	< 3.54
MW124S	2003 Q1	< 1.04	6.24	0.491	< 4.94
MW124S	2003 Q2	< 2.7	8.3	< 1.6	< 6.7
MW124S	2003 Q4	< 1.22	5.9	0.536	< 8.73
MW124S	2004 Q1	< 1.61	5.12	< 1.12	< 3.32
MW124S	2004 Q2	< 2.2	4.98	1.33	< 3.22
MW124S	2004 Q3	< 1.23	6.5	< 0.687	< 4.88
MW124S	2004 Q4	< 1.51	5.54	< 0.639	< 3.48
MW124S	2005 Q1	< 2.09	9.45	0.935	< 4.65
MW124S	2005 Q2	< 2.82	10.8	0.746	< 4.59
MW124S	2005 Q3	< 2.92	16.3	< 1.43	< 4.06
MW124S	2005 Q4	< 2.64	10.6	< 1.19	< 3.8
MW125S	2003 Q1	1.52	10.9	0.685	< 4.4
MW125S	2003 Q2	< 2.8	14.49	1.41	< 7.4
MW125S	2003 Q3	< 2.17	16.3	1.17	< 2.5
MW125S	2003 Q4	< 2.04	15.3	6.51	< 7.44
MW125S	2004 Q1	1.05	8.89	3.15	< 2.86
MW125S	2004 Q2	2.36	11.8	1.78	< 3.88
MW125S	2004 Q3	< 1.39	13.5	1.93	< 2.82
MW125S	2004 Q4	< 1.7	12.7	3.08	< 2.84

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW125S	2005 Q2	1.37	20.2	1.66	< 6.35
MW125S	2005 Q3	< 0	11.3	0.752	< 3.64
MW125S	2005 Q4	< 2.75	13.5	2.51	< 3.43
MW200	2002 Q2	-	-	-	< 2.45
MW200	2002 Q4	11.4	14.2	-	< 3.31
MW200	2003 Q1	2.89	4.86	-	< 4.88
MW200	2003 Q2	20.2	23.4	-	< 4.9
MW200	2003 Q4	0.384	2.77	-	< 9.36
MW200	2004 Q4	< 0.988	2.09	< 1.18	< 3.23
MW201	2002 Q2	-	-	-	< 2.86
MW201	2002 Q3	0.513	4.42	-	< 3.56
MW201	2002 Q4	1.39	3.9	-	< 3.07
MW201	2003 Q1	< 0.661	3.07	-	< 4.9
MW201	2003 Q2	< 2.6	5.5	-	< 3.5
MW201	2003 Q3	< 1.24	< 2.64	-	< 3.98
MW201	2003 Q4	1.89	2.49	-	< 9.38
MW203	2002 Q1	0.577	1.59	< 0.48	< 2.42
MW203	2002 Q2	-	-	-	< 2.77
MW203	2002 Q3	< 0.861	3.3	-	< 3.33
MW203	2002 Q4	< 0.593	4.04	< 0.758	< 3.21
MW203	2003 Q1	2.62	6.6	-	< 4.11
MW203	2003 Q2	6.3	15.6	-	< 3.3
MW203	2003 Q3	0.528	2.33	-	< 4.78
MW203	2003 Q4	< 0.919	3.75	-	< 5.94
MW203	2004 Q4	< 1.98	< 3.27	< 1.2	< 2.69
MW203	2005 Q3	< 1.69	2.4	-	< 3.83
MW205	2002 Q1	-	-	-	< 3.41
MW205	2002 Q2	-	-	-	< 2.64
MW205	2002 Q3	< 1.27	3.01	-	2.51
MW205	2002 Q4	< 0.799	2.06	-	< 3.08
MW205	2003 Q1	< 0.679	< 2.54	-	< 3.5
MW205	2003 Q2	< 1.8	2.15	-	< 3.5
MW205	2003 Q3	< 1.16	1.31	-	< 3.58
MW205	2003 Q4	< 0.574	1.62	-	< 8.18
MW205	2004 Q4	< 1.32	2.42	< 0.769	< 3.76
MW205	2005 Q3	< 1.11	5.25	-	< 3.29
MW207	2002 Q1	0.598	3.63	< 0.565	< 3.09
MW207	2002 Q2	-	-	-	< 2.83
MW207	2002 Q3	< 0.635	4.35	-	< 3.22
MW207	2002 Q4	0.488	5.4	-	< 2.64
MW207	2003 Q1	< 0.642	3.08	-	< 3.94
MW207	2003 Q2	< 1.9	3.48	-	< 7.6
MW207	2003 Q3	< 0.571	1.48	0.437	< 9.35
MW207	2003 Q4	< 0.695	2.38	-	< 9.63
MW207	2004 Q4	< 1.34	< 2.28	< 1.03	< 2.82

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW207	2005 Q3	< 2.93	4.71	-	< 3.89
MW208	2003 Q2	24.1	42.7	-	< 7.6
MW208	2003 Q3	< 0.549	4.14	-	< 4.72
MW208	2003 Q4	< 0.888	3.45	0.891	< 9.88
MW208	2004 Q4	< 1.25	7.35	< 0.741	< 3.19
MW208	2005 Q3	< 1.46	8.32	-	< 4.08
MW1	2004 Q2	< 0	< 1.84	0.944	< 2.41
MW1	2004 Q3	< 1.35	1.33	-	< 5.15
MW1	2004 Q4	< 1.42	< 2.29	< 1.29	2.8
MW2	2002 Q4	< 0.967	2.75	0.413	< 3.09
MW2	2004 Q2	< 1.29	4.43	< 1.02	< 3.51
MW2	2004 Q3	1.04	3.47	-	1.73
MW2	2004 Q4	< 2.14	7.61	< 0.91	< 7.71
MW3	2004 Q2	< 1.81	0.788	< 1.24	< 2.47
MW3	2004 Q3	< 1.93	1.53	-	< 2.76
MW3	2004 Q4	< 1.62	< 2.45	< 0	< 4.21
MW4	2004 Q4	< 1.35	1.64	< 1.26	< 6.22
MW502	2004 Q2	1.65	5.02	-	< 2.26
MW502	2004 Q3	0.87	6.95	-	< 3.03
MW502	2004 Q4	< 1.88	5.37	-	< 3.17
MW502	2005 Q1	< 2.92	5.72	< 1.24	< 7.01
MW502	2005 Q2	1.57	7.73	1.51	< 3.63
MW503	2004 Q2	3.23	1.74	-	< 2.35
MW503	2004 Q3	< 1.31	< 2.05	-	< 1.96
MW503	2004 Q4	< 1.3	< 2.35	-	< 2.96
MW503	2005 Q1	< 1.36	2.92	0.973	< 5.42
MW503	2005 Q2	< 1.44	< 1.57	0.939	< 3.98
MW504	2004 Q2	< 1.97	3.4	-	< 2.34
MW504	2004 Q3	< 1.16	4.77	-	< 3.2
MW504	2004 Q4	< 1.61	5.28	-	< 4.08
MW504	2005 Q1	1.08	9.76	1.39	< 4.03
MW504	2005 Q2	< 1.73	4.5	< 1.37	< 5.08
MW505	2004 Q2	1.82	4.88	-	< 3.12
MW505	2004 Q3	0.872	6.38	-	< 2.38
MW505	2004 Q4	1.08	5.36	-	< 3.57
MW505	2005 Q1	< 2.21	6.12	1.19	< 5.17
MW505	2005 Q2	< 3.48	7.73	< 1.32	< 2.9
MW507D	2004 Q2	28.8	15.2	-	< 2.39
MW507D	2004 Q3	40.8	19.9	-	< 4.59
MW507D	2004 Q4	11.6	9.16	-	< 3.72
MW507D	2005 Q1	< 2.24	5.44	1.29	< 3.13
MW507D	2005 Q2	11.9	10.6	< 1.02	3.58
MW507S	2004 Q2	1.42	3.95	-	< 2.25
MW507S	2004 Q3	2.12	6.17	-	< 4.43
MW507S	2004 Q4	1.46	5.64	-	< 2.96

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

**Table 4-2: Gross α , β , Sr-90 and Cs-137 Concentrations (pCi/L) in Groundwater
(continued)**

Well ID	Sample Event	Gross Alpha	Gross Beta	Sr-90	Cs-137
MW507S	2005 Q1	12.6	11.2	1.55	< 10
MW507S	2005 Q2	1.3	6.22	< 1.36	< 4.17
MW508D	2004 Q2	7.58	6.68	-	< 2.76
MW508D	2004 Q3	22.3	32.5	-	< 4.17
MW508D	2004 Q4	15.7	21.4	-	< 15.10
MW508D	2005 Q1	7.01	11.5	< 1.24	< 7.43
MW508D	2005 Q2	8.54	14.9	< 1.28	< 5.33
MW508D	2005 Q3	7.73	16.5	3.18	< 4.01
MW508D	2005 Q4	8.58	11.9	< 1.16	< 3.54
MW508S	2004 Q2	< 2.28	4.5	-	< 3.16
MW508S	2004 Q3	1.37	6.25	-	< 10
MW508S	2004 Q4	< 2.38	7.6	< 0.931	< 5.91
MW508S	2005 Q1	< 2.54	11.5	0.93	< 4.98
MW508S	2005 Q2	2.31	7.64	< 1.5	< 5.89
MW508S	2005 Q3	< 2.65	7.54	0.886	< 3.11
MW508S	2005 Q4	2.22	11.6	< 1.23	< 8.65
ATW1	2004 Q4	< 2.56	4.12	< 0.852	2.15
ATW1	2005 Q1	0.935	6.43	0.403	< 5.04
ATW1	2005 Q2	< 1.95	8.11	0.821	< 5.14
ATW1	2005 Q3	1.63	6.09	< 1.82	< 3.04
ATW1	2005 Q4	< 2.83	6.58	0.54	< 5.16
CMS	2004 Q4	< 2.04	8.14	2.43	< 7.37
CMS	2005 Q1	< 1.83	7.03	2.15	< 6.27
CMS	2005 Q2	< 2.74	4.4	< 1.02	< 3.16
EOF2	2002 Q1	1.03	3.43	< 0.539	< 2.36
EOF2	2002 Q2	-	-	-	< 2.7
EOF2	2002 Q3	< 0.919	4.61	-	< 3.54
EOF2	2002 Q4	0.628	4.9	-	< 3.28
EOF2	2003 Q1	1.31	5	-	< 5.34
EOF2	2003 Q2	< 3.1	4.3	-	< 4.6
EOF2	2003 Q3	< 1.63	3.76	-	< 5.57
EOF2	2003 Q4	1.2	4.33	-	< 9.22
EOF2	2004 Q2	2.58	3.3	< 1.34	< 3.27
EOF2	2004 Q3	1.02	4.01	0.881	< 2.28
EOF2	2004 Q4	1.44	5.92	< 1.34	< 5.15
EOF2	2005 Q1	0.789	4.83	< 0.825	< 5.22
EOF2	2005 Q2	< 2.41	1.42	0.631	< 0
SUPPLY WELL B	2002 Q4	-	-	< 0.579	-

NOTES

- : Well was not sampled for analyte
- <50: Observed concentration was not statistically significant at 2- σ error level, reported as <MDC
- Bold concentrations are greater than EPA MCL or EPA screening level

Table 4-3: Tritium Concentrations (pCi/L) in Groundwater

Well ID	2002 Q1	2002 Q2	2002 Q3	2002 Q4	2003 Q1	2003 Q2	2003 Q3	2003 Q4	2004 Q1	2004 Q2	2004 Q3	2004 Q4	2005 Q1	2005 Q2	2005 Q3	2005 Q4
MW100D	<271	<260	134	<293	<259	<360	<301	170	<262	<306	<344	<302	267	<281	<403	<293
MW100S	<273	<261	<284	<294	<256	230	<310	186	<267	<284	183	<295	207	<287	<400	<285
MW101D	<280	<276	137	<275	<258	250	<309	<295	<276	<242	<258	<359	<301	<292	<274	<387
MW101S	<284	<278	<284	<273	<255	<350	<255	233	<271	252	456	<303	377	<282	<401	<382
MW102D	9400	6390	5590	13900	27100	28630	-	4910	4940	4690	5120	6480	4870	3680	2860	3070
MW102S	6320	4500	12200	1100	2370	770	4880	5270	6740	5740	12600	8930	12100	4000	3750	1220
MW103D	12900	13400	12900	10100	10300	11460	-	9130	12000	6530	8950	10800	-	-	-	644
MW103S	627	6460	495	1760	886	2610	3500	195	1090	5300	31000	-	-	-	-	461
MW104S	<273	<261	293	142	<258	390	<307	<255	285	241	<314	262	334	<277	-	-
MW105D	1780	1510	2060	2390	854	1400	905	1240	953	1280	-	-	-	-	7170	5930
MW105S	1870	7860	4140	8070	5410	4470	4850	3370	5520	3350	-	-	-	-	<280	<307
MW106D	1730	1630	2610	1430	1120	1310	1590	1090	1110	1520	2710	3760	5000	9270	4980	4630
MW106S	2450	1130	514	1500	2330	1550	332	752	542	850	1260	415	729	1380	522	2080
MW107D	217	211	214	242	481	630	647	424	732	656	776	<287	763	570	453	278
MW107S	254	274	<284	<292	346	580	<250	232	225	<352	206	<359	<321	<280	<278	<307
MW108S	290	221	256	<291	<251	240	206	<287	<268	<251	340	399	273	<291	<276	411
MW109D	3810	5660	4150	593	4550	530	<305	4210	4550	3140	3480	3390	3340	3410	4350	2950
MW109S	<265	<261	<288	<276	<257	<350	<300	<242	<279	<275	<320	<349	<313	<342	<403	<312
MW110D	16500	10700	15200	11100	4630	5310	11300	6620	5890	8300	13600	3400	5660	2640	5350	8010
MW110S	2980	1470	2390	2050	1430	1370	1420	1290	2050	1010	1670	1820	1900	515	<277	266
MW111S	<273	<259	222	<292	<253	<350	299	<278	<269	233	-	-	-	-	-	-
MW112S	<277	<259	<277	<293	<249	<340	<306	159	<272	<277	<286	<361	231	<276	<280	<389
MW113S	<272	<263	160	<290	149	<340	118	215	<260	180	<272	<360	282	<275	<280	<397
MW114S	3730	1140	1190	927	1530	1070	481	1280	1350	6730	-	-	-	-	-	-
MW115S	1870	4090	1900	2180	2230	3410	-	2630	5740	-	-	-	-	-	-	-
MW117S	<272	<261	<279	<294	<249	<340	<253	<255	<283	<324	<352	<359	<320	<277	<244	<388
MW118A-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5260
MW118A-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10200
MW118A-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2280

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect reported as less than minimum detection concentration (MDC).

Table 4-3: Tritium Concentrations (pCi/L) in Groundwater (continued)

Well ID	2002 Q1	2002 Q2	2002 Q3	2002 Q4	2003 Q1	2003 Q2	2003 Q3	2003 Q4	2004 Q1	2004 Q2	2004 Q3	2004 Q4	2005 Q1	2005 Q2	2005 Q3	2005 Q4
MW119-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1990
MW119-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100
MW119-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16000
MW119-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12900
MW120-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	320
MW120-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<267
MW120-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	235
MW120-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	743
MW120-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1570
MW121A-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	325
MW121A-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	650
MW121A-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7780
MW121A-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	598
MW122D	-	-	-	-	<258	<360	<305	120	<298	222	<261	610	360	<275	380	244
MW122S	-	-	-	-	720	850	895	898	750	645	621	609	481	322	379	640
MW123S	-	-	-	-	<260	<340	-	201	<249	<306	<266	<299	493	<293	-	204
MW124S	-	-	-	-	4850	4350	-	1910	1530	1770	2080	968	319	<278	<272	1280
MW125S	-	-	-	-	1540	1900	873	2110	2350	2170	2390	861	-	<291	<379	288
MW200	-	<261	-	-	-	-	-	-	-	-	-	<319	-	-	-	-
MW201	-	<262	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW203	<267	<263	-	<329	-	-	-	-	-	-	-	<318	-	-	-	-
MW205	<264	<275	-	-	-	-	-	-	-	-	-	<290	-	-	-	-
MW207	<259	<278	-	-	-	-	<238	-	-	-	-	<311	-	-	-	-
MW208	-	-	-	-	-	-	-	<291	-	-	-	<286	-	-	-	-
MW1	-	-	-	-	-	-	-	-	-	223	<305	<363	-	-	-	-
MW2	-	-	-	229	-	-	-	-	-	<397	439	<357	-	-	-	-
MW3	-	-	-	-	-	-	-	-	-	<245	<274	<312	-	-	-	-
MW4	-	-	-	-	-	-	-	-	-	-	-	<348	-	-	-	-
MW502	-	-	-	-	-	-	-	-	-	<302	235	<315	<312	<276	-	-
MW503	-	-	-	-	-	-	-	-	-	<303	222	<291	<312	<296	-	-
MW504	-	-	-	-	-	-	-	-	-	276	<294	<293	<313	<284	-	-
MW505	-	-	-	-	-	-	-	-	-	<284	233	<301	<312	<276	-	-

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect reported as less than minimum detection concentration (MDC).

Table 4-3: Tritium Concentrations (pCi/L) in Groundwater (continued)

Well ID	2002 Q1	2002 Q2	2002 Q3	2002 Q4	2003 Q1	2003 Q2	2003 Q3	2003 Q4	2004 Q1	2004 Q2	2004 Q3	2004 Q4	2005 Q1	2005 Q2	2005 Q3	2005 Q4
MW507D	-	-	-	-	-	-	-	-	-	<306	<303	<359	<311	<288	-	-
MW507S	-	-	-	-	-	-	-	-	-	<292	<323	<355	<308	<272	-	-
MW508D	-	-	-	-	-	-	-	-	-	<270	<296	<284	<310	<277	<400	<301
MW508S	-	-	-	-	-	-	-	-	-	<282	<306	<360	285	<275	<403	<398
ATW1	-	-	-	-	-	-	-	-	-	-	-	<356	<320	<279	<274	<398
CMS	-	-	-	-	-	-	-	-	-	-	-	3260	305	<421	-	-
EOF2	<270	<263	<285	<292	<249	<340	<302	<246	-	196	<306	<344	<319	<286	-	-

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect reported as less than minimum detection concentration (MDC).

Table 4-4: Hard-to-Detect (HTD) Concentrations (pCi/L) in Groundwater

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW100D	2004 Q1	-	-	-	-	-	-	-	-	-	<0.173	-	-
MW100D	2005 Q4	-	-	-	-	<0.214	-	-	-	-	-	-	-
MW100S	2004 Q1	-	-	-	-	-	-	-	-	-	<0.196	-	-
MW100S	2005 Q4	-	-	-	-	<0.461	-	-	-	-	-	-	-
MW101D	2002 Q3	<8.22	<15.10	<0	-	<0.583	<10.80	<0.134	<0.134	7.40	<0.131	<0.289	<0.132
MW101D	2004 Q1	-	-	-	-	<1.16	-	-	-	-	<0.26	-	-
MW101D	2004 Q2	-	-	-	-	<1.23	-	-	-	-	-	-	-
MW101D	2004 Q3	-	-	-	-	0.52	-	-	-	-	-	-	-
MW101D	2004 Q4	-	-	-	-	<0.937	-	-	-	-	-	-	-
MW101D	2005 Q1	-	-	-	-	0.61	-	-	-	-	-	-	-
MW101D	2005 Q2	-	-	-	-	<1.5	-	-	-	-	-	-	-
MW101D	2005 Q3	-	-	-	-	<1.16	-	-	-	-	-	-	-
MW101D	2005 Q4	-	-	-	-	<0.949	-	-	-	-	-	-	-
MW101S	2002 Q3	4.46	<17.60	<4.26	-	0.55	<11.20	<0.156	<0.156	7.59	<0.319	<0.357	<0.244
MW101S	2003 Q1	-	-	-	-	0.38	-	<0.284	<0.284	6.77	<0.254	<0.13	<0.194
MW101S	2003 Q2	-	-	-	<40	<1.7	-	-	-	-	-	-	-
MW101S	2003 Q3	-	-	-	-	0.33	-	-	-	-	-	-	-
MW101S	2003 Q4	-	-	-	-	0.47	-	-	-	-	-	-	-
MW101S	2004 Q1	-	-	-	-	<1.2	-	-	-	-	<0.298	-	-
MW101S	2004 Q2	-	-	-	-	<1.2	-	-	-	-	-	-	-
MW101S	2004 Q3	-	-	-	-	<0.938	-	-	-	-	-	-	-
MW101S	2004 Q4	-	-	-	-	<0.98	-	-	-	-	-	-	-
MW101S	2005 Q1	-	-	-	-	1.71	-	-	-	-	-	-	-
MW101S	2005 Q2	-	-	-	-	<1.54	-	-	-	-	-	-	-
MW101S	2005 Q3	-	-	-	-	<1.31	-	-	-	-	-	-	-
MW101S	2005 Q4	-	-	-	-	<1.35	-	-	-	-	-	-	-
MW102D	2002 Q1	<8.06	<6.71	<3.51	-	<0.664	<10.40	<0.182	<0.271	<10.70	<0.213	<0.179	<0.215
MW102D	2002 Q2	<7.85	<8.32	<2.84	-	<0.721	<11.30	<0.14	<0.139	<7.74	<0.203	<0.135	<0.187
MW102D	2002 Q3	<8.57	<11.40	4.67	-	<0.636	<10.70	<0.252	<0.143	4.69	<0.139	<0.194	<0.14
MW102D	2002 Q4	<8.08	4.14	3.42	-	<0.85	14.30	<0.134	<0.236	10.70	<0.152	<0.176	<0.317

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect reported as less than minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW102D	2003 Q1	-	-	-	-	<0.578	-	<0.295	<0.295	<18.60	<0.113	<0.236	<0.113
MW102D	2003 Q2	-	-	-	<38	<1.6	-	-	-	-	-	-	-
MW102D	2003 Q4	-	<10.50	<3.42	-	<1.25	<9.01	<0.168	<0.168	<9.5	<0.15	<0.183	<0.151
MW102D	2004 Q1	-	-	-	-	<1.11	-	-	-	-	<0.259	-	-
MW102D	2004 Q2	-	-	-	-	0.93	-	-	-	-	-	-	-
MW102D	2004 Q3	-	-	-	-	<0.805	-	-	-	-	-	-	-
MW102D	2004 Q4	-	-	-	-	<0.636	-	-	-	-	-	-	-
MW102D	2005 Q1	-	-	-	-	1.71	-	-	-	-	-	-	-
MW102D	2005 Q2	-	-	-	-	<1.21	-	-	-	-	-	-	-
MW102D	2005 Q3	-	-	-	-	0.79	-	-	-	-	-	-	-
MW102D	2005 Q4	<71.30	<10.30	<5.92	-	<0.347	<8.14	<0.17	<0.176	<9.18	<0.059	<0.0348	<0.0321
MW102S	2002 Q1	<8.07	2.54	<3.88	-	<0.716	<10.50	<0.283	<0.19	<11.30	<0.133	<0.319	<0.293
MW102S	2002 Q2	7.32	14.20	<2.89	-	<0.716	9.75	<0.178	<0.208	<9.3	<0.0954	<0.117	<0.0959
MW102S	2002 Q3	<8.57	<11.30	4.18	-	<0.52	<10.90	<0.132	<0.132	<7.69	<0.129	<0.18	<0.13
MW102S	2002 Q4	<8.08	10.30	<3.8	-	<0.644	17.90	<0.139	<0.246	11.60	<0.121	<0.141	<0.121
MW102S	2003 Q1	<8.07	7.89	<4.5	-	0.38	<12.30	<0.133	<0.133	<9.88	<0.116	<0.252	<0.117
MW102S	2003 Q2	-	-	-	<37	1.08	-	-	-	-	-	-	-
MW102S	2003 Q3	-	-	-	-	0.55	-	-	-	-	-	-	-
MW102S	2003 Q4	-	-	-	-	<1.26	-	-	-	-	-	-	-
MW102S	2004 Q1	-	-	-	-	<1.2	-	-	-	-	<0.36	-	-
MW102S	2004 Q2	-	-	-	-	<1.2	-	-	-	-	-	-	-
MW102S	2004 Q3	-	-	-	-	<1.3	-	-	-	-	-	-	-
MW102S	2004 Q4	-	-	-	-	<1.13	-	-	-	-	-	-	-
MW102S	2005 Q1	-	-	-	-	1.38	-	-	-	-	-	-	-
MW102S	2005 Q2	-	-	-	-	<1.43	-	-	-	-	-	-	-
MW102S	2005 Q3	-	-	-	-	<1.27	-	-	-	-	-	-	-
MW102S	2005 Q4	54.20	<10.20	4.93	-	<1.08	<7.46	<0.0881	<0.0732	<7.39	<0.0611	<0.0499	<0.0612
MW103D	2002 Q1	<8.06	6.27	<3.74	-	<0.603	<10.40	<0.199	<0.199	9.03	0.69	<0.224	<0.159
MW103D	2002 Q2	<7.85	2.86	<2.78	-	<0.691	<11.40	<0.0982	<0.0981	<7.78	<0.239	<0.165	<0.24
MW103D	2002 Q3	<8.56	<21.10	8.01	-	<0.63	<9.89	<0.305	<0.305	5.27	<0.119	<0.164	<0.12
MW103D	2002 Q4	<8.08	9.04	<3.93	-	<0.593	<12.30	<0.263	<0.148	14.70	<0.111	<0.128	<0.111

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW103D	2003 Q1	-	-	-	-	<1.78	-	<0.238	<0.238	8.76	<0.112	<0.133	<0.113
MW103D	2003 Q2	-	-	-	<43	<1.9	-	-	-	-	-	-	-
MW103D	2003 Q4	-	-	-	-	0.37	-	-	-	-	-	-	-
MW103D	2004 Q1	<150.0	<11.70	<6.41	-	<0.815	<11.90	<0.103	<0.103	<12.10	<0.121	<0.0484	<0.099
MW103D	2004 Q2	<73.50	<12.30	<11.80	-	1.26	<8.31	<0.414	<0.208	<11.40	<0.369	<0.243	<0.349
MW103D	2004 Q3	<11.90	<13.60	<15	-	<0.895	<8.37	<0.213	<0.0793	<10.50	<0.31	<0.106	<0.272
MW103D	2004 Q4	<10.80	21.50	<11.30	-	<0	<9.16	<0.235	<0.282	<5.76	<0.188	<0.182	<0.141
MW103D	2005 Q4	<71.50	<10.70	<6.16	-	0.59	<7.81	<0.0942	<0.0544	<7.09	<0.0562	<0.0334	<0.136
MW103S	2002 Q1	<8.07	3.50	3.71	-	5.23	<10.40	<0.18	<0.121	<7.11	<0.149	<0.359	<0.278
MW103S	2002 Q2	5.46	4.96	3.38	-	15.30	<11.20	<0.188	<0.221	<7.23	<0.0924	<0.113	<0.156
MW103S	2002 Q3	<8.56	<11.90	6.57	-	3.81	9.64	<0.151	<0.266	7.08	<0.12	<0.166	<0.121
MW103S	2002 Q4	<8.08	8.55	<3.7	-	5.57	19.00	<0.21	<0.119	14.50	<0.115	<0.135	<0.116
MW103S	2003 Q1	<8.07	8.81	<10.60	-	6.75	<12.40	<0.149	<0.263	<9.58	<0.128	<0.157	<0.128
MW103S	2003 Q2	-	<9.2	<9.7	<38	1.13	-	<0.23	-	<2.9	0.25	<0.085	-
MW103S	2003 Q3	<31.70	30.50	<34.10	-	2.59	<9.5	<0.134	<0.134	<7.7	<0.411	<0.284	<0.234
MW103S	2003 Q4	<16.90	4.23	<3.24	-	<0.615	<8.81	<0.165	<0.291	<9.67	<0.214	<0.151	<0.122
MW103S	2004 Q1	<170.0	<10.10	<6.46	-	2.27	<10.90	<0.0407	<0.127	16.60	<0.0995	<0.152	<0.218
MW103S	2004 Q2	<11.80	<10.80	<13.80	-	1.34	<10	<0.23	<0.156	<14.50	<0.256	<0.158	<0.248
MW103S	2004 Q3	8.03	<12.30	37.30	-	3.67	<8.38	<0.175	<0.254	<9.55	<0.232	<0.247	<0.304
MW103S	2005 Q4	54.10	<9.93	<5.41	-	0.98	<7.56	<0.0751	<0.0751	<7.85	<0.0591	<0.0545	<0.027
MW104S	2003 Q2	-	-	-	<44	3.14	-	-	-	-	-	-	-
MW104S	2003 Q3	-	-	-	-	2.02	-	-	-	-	-	-	-
MW104S	2003 Q4	13.40	2.72	<3.56	-	0.86	<8.87	<0.127	<0.127	<7.25	<0.119	<0.148	<0.119
MW104S	2004 Q1	<151.0	<10.30	<5.71	-	<0.685	<10.80	<0.125	<0.113	<14.60	<0.0921	<0.122	<0.0923
MW104S	2004 Q2	<11.70	<11.60	<12.60	-	<1.35	<8.94	<0.293	<0.178	<14.40	<0.19	<0.127	<0.211
MW104S	2004 Q3	14.40	<19.30	<14.30	-	<0.962	<6.85	<0.37	<0.271	<10.60	<0.308	<0.267	<0.4
MW104S	2004 Q4	<10.80	<17	<6.18	-	<0.862	<8.41	<0.149	<0.149	<5.19	<0.344	<0.209	<0.403
MW104S	2005 Q1	<49.20	<17.60	<9.97	-	3.05	<6.01	<0.228	<0.14	<8.88	<0.289	<0.174	<0.337
MW104S	2005 Q2	<74.80	<30.70	<5.85	-	1.72	<7.46	<0.307	<0.409	<30.10	<0.515	<0.223	<0.21
MW105D	2002 Q1	<8.07	<6.19	<3.48	-	<0.571	0.90	<0.221	<0.25	<8.84	<0.272	<0.231	<0.242
MW105D	2002 Q2	<7.85	5.10	<0	-	<0.597	<11.30	<0.179	<0.101	<5.85	<0.247	<0.146	<0.119

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW105D	2002 Q3	<8.56	<11.70	3.61	-	<0.738	<11	<0.128	<0.128	5.77	<0.11	<0.153	<0.11
MW105D	2002 Q4	<8.08	8.14	2.69	-	<0.596	<12	<0.174	<0.174	12.50	<0.162	<0.106	<0.0918
MW105D	2003 Q1	-	-	-	-	0.66	-	<0.184	<0.325	<11.20	<0.174	<0.208	<0.175
MW105D	2003 Q2	-	-	-	<36	<1.5	-	-	-	-	-	-	-
MW105D	2003 Q3	-	-	-	-	<0.427	-	-	-	-	-	-	-
MW105D	2003 Q4	-	-	-	-	1.33	-	-	-	-	-	-	-
MW105D	2004 Q1	<151.0	<6.85	<9.67	-	<0.811	<10.30	<0.144	<0.0804	<12.30	<0.0417	<0.0453	<0.0417
MW105D	2004 Q2	<74.50	<11.80	<13.40	-	1.11	<8.36	<0.252	<0.18	<11.30	<0.358	<0.24	<0.35
MW105D	2005 Q3	<60.20	<15.80	<7.98	-	<1.72	<9.52	<0.131	<0.101	<11.20	<0.0631	<0.0791	<0.123
MW105D	2005 Q4	<57.10	8.00	<14	-	0.94	<8.23	<0.161	<0.134	<9.83	<0.0881	<0.0376	<0.171
MW105S	2002 Q1	<8.07	4.40	2.95	-	122.00	8.89	<0.118	<0.118	<6.94	<0.159	<0.386	<0.161
MW105S	2002 Q2	7.02	11.20	2.48	-	116.00	8.57	<0.201	<0.17	<5.74	<0.12	<0.261	<0.121
MW105S	2002 Q3	<8.57	<11.70	4.35	-	101.00	11.80	<0.117	<0.244	<7.51	<0.25	<0.197	<0.142
MW105S	2002 Q4	<8.08	13.40	<3.83	-	83.30	9.96	<0.127	<0.295	6.70	<0.118	<0.139	<0.209
MW105S	2003 Q1	5.91	12.10	<4.67	-	138.00	<12.50	<0.116	<0.116	<7.46	<0.132	<0.163	<0.133
MW105S	2003 Q2	<66	<10	<10	<43	181.60	<5.6	<0.27	-	<3.6	<0.32	<0.077	-
MW105S	2003 Q3	<31.80	7.48	<3.63	-	197.00	6.06	<0.48	<0.271	<16.60	<0.234	<0.524	<0.236
MW105S	2003 Q4	<15.90	5.76	<3.45	-	27.60	<8.95	<0.175	<0.174	6.40	<0.134	<0.163	<0.134
MW105S	2004 Q1	<152.0	<7.77	<5.51	-	91.80	<10.20	<0.085	<0.085	<12.50	<0.129	<0.0451	<0.142
MW105S	2004 Q2	<74.30	<12.60	<13.10	-	16.20	<8.33	<0.392	<0.221	8.32	<0.207	<0.0941	<0.341
MW105S	2005 Q3	<60.10	<16.10	<7.44	-	<1.25	<8.52	<0.159	<0.085	<10.30	<0.0588	<0.0968	<0.115
MW105S	2005 Q4	<57.10	<12.40	<15.30	-	<0.386	<8.19	<0.184	<0.0919	<15.40	<0.157	<0.104	<0.164
MW106D	2002 Q1	<8.08	<6.68	<3.6	-	<0.597	<10.40	<0.133	<0.197	5.52	<0.177	<0.252	<0.178
MW106D	2002 Q2	<7.85	6.94	4.22	-	<0.527	<11.30	<0.108	<0.108	<9.27	<0.22	<0.269	<0.221
MW106D	2002 Q3	<8.57	<9.7	3.82	-	<0.546	<11	<0.182	<0.378	9.68	<0.156	<0.217	<0.157
MW106D	2002 Q4	5.92	13.90	<3.86	-	<0.624	<12.30	<0.119	<0.21	15.40	<0.108	<0.125	<0.108
MW106D	2003 Q1	-	-	-	-	0.36	-	<0.188	<0.188	<11.30	<0.118	<0.14	<0.119
MW106D	2003 Q2	-	-	-	<38	<1.5	-	-	-	-	-	-	-
MW106D	2003 Q3	-	-	-	-	0.80	-	-	-	-	-	-	-
MW106D	2003 Q4	-	-	-	-	0.50	-	-	-	-	-	-	-
MW106D	2004 Q1	<151.0	<8.78	<6.61	-	<1.17	<10.10	<0.137	<0.178	12.10	<0.218	<0.175	<0.234

Notes:

- Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).
- (<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW106D	2004 Q2	<11.90	<11.60	<13.60	-	<1.2	<8.99	<0.175	<0.143	<14.40	<0.275	<0.217	<0.36
MW106D	2004 Q3	<11.80	<15.30	<13.90	-	<0.991	<8.27	<0.189	<0.189	<10.90	<0.254	<0.172	<0.237
MW106D	2004 Q4	<10.80	<19.50	<10.60	-	<0.524	<9.21	<0.39	<0.219	<10.10	<0.405	<0.285	<0.388
MW106D	2005 Q1	<49.40	<13	<9.09	-	1.37	5.02	<0.183	<0.183	<8.66	<0.264	<0.219	<0.351
MW106D	2005 Q2	<74.30	17.70	<4.86	-	<1.08	<7.49	<0.328	<0.328	25.60	<0.541	<0.429	<0.406
MW106D	2005 Q3	<31.80	<25.60	<8.73	-	2.37	<10	<0.118	<0.121	<7.93	<0.0705	<0.0306	<0.0706
MW106D	2005 Q4	<57.10	<11.70	<13.80	-	2.18	<8.97	<0.163	<0.119	<11.10	<0.158	<0.0856	<0.19
MW106S	2002 Q1	<8.07	0.80	0.90	-	8.38	<10.50	<0.137	<0.203	5.27	<0.172	<0.367	<0.174
MW106S	2002 Q2	6.03	<6.67	2.09	-	13.00	<11.20	<0.196	<0.111	8.34	0.44	<0.15	<0.219
MW106S	2002 Q3	<8.57	<11.10	4.44	-	2.26	<10.90	<0.112	<0.197	4.40	<0.179	<0.249	<0.213
MW106S	2002 Q4	<8.08	14.10	<3.79	-	9.35	<12.30	<0.133	<0.133	12.20	<0.158	<0.104	<0.0898
MW106S	2003 Q1	14.40	7.54	<4.75	-	13.50	<12.30	<0.105	<0.105	<9.36	<0.126	<0.154	<0.127
MW106S	2003 Q2	<96	<11	<6.7	<52	18.68	<5.8	<0.2	-	<3.5	0.24	<0.037	-
MW106S	2003 Q3	<31.70	4.99	<3.62	-	3.71	<9.3	<0.169	<0.169	<9.59	<0.143	<0.181	<0.255
MW106S	2003 Q4	<15.90	<9.93	<3.49	-	4.35	<8.94	<0.135	<0.238	<7.3	<0.253	<0.174	<0.254
MW106S	2004 Q1	<151.0	<8.42	<5.72	-	1.21	<11.10	<0.145	<0.0389	<12	<0.166	<0.123	<0.263
MW106S	2004 Q2	<11.80	<11.50	<11.70	-	3.17	<14.40	<0.294	<0.172	<15.10	<0.264	<0.234	<0.342
MW106S	2004 Q3	<27.70	<14.60	<14.30	-	7.30	<8.26	<0.0922	<0.0922	<9.69	<0.265	<0.128	<0.349
MW106S	2004 Q4	7.79	<17.90	<10.50	-	8.56	<10	<0.234	<0.362	<12.10	<0.378	<0.279	<0.436
MW106S	2005 Q1	<49.30	<15.20	<11.20	-	5.52	<5.59	<0.304	<0.223	<11.40	<0.33	<0.211	<0.454
MW106S	2005 Q2	<141.0	<23.50	<3.62	-	2.16	<5.84	<0.223	<0.187	<11.20	<0.164	<0.106	<0.0892
MW106S	2005 Q3	<60.20	<18.20	<8.15	-	1.23	<8.5	<0.113	<0.0702	<12.20	<0.256	<0.152	<0.275
MW106S	2005 Q4	<71.50	<10.10	<6.14	-	2.40	<7.14	<0.0865	<0.0706	<6.41	<0.0977	<0.0406	<0.17
MW107D	2002 Q1	<8.23	0.70	1.00	-	<0.628	<11.20	<0.196	<0.11	4.36	<0.124	<0.379	<0.223
MW107D	2002 Q2	<7.84	0.50	<3.11	-	<0.6	8.25	<0.091	<0.0909	<7.18	<0.204	<0.14	<0.188
MW107D	2002 Q3	<8.21	<16.40	4.76	-	<0.557	<11.10	<0.219	<0.124	6.46	<0.143	<0.325	<0.144
MW107D	2002 Q4	<7.88	<5.83	<3.66	-	<0.572	<11.40	<0.161	<0.161	10.70	<0.12	<0.256	<0.213
MW107D	2003 Q2	-	-	-	<40	<1.7	-	-	-	-	-	-	-
MW107D	2003 Q3	-	-	-	-	0.33	-	-	-	-	-	-	-
MW107D	2003 Q4	-	-	-	-	<0.669	-	-	-	-	-	-	-
MW107D	2004 Q1	-	-	-	-	<1.23	-	-	-	-	<0.301	-	-

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW107D	2004 Q2	-	-	-	-	<1.2	-	-	-	-	-	-	-
MW107D	2004 Q3	-	-	-	-	<0.708	-	-	-	-	-	-	-
MW107D	2004 Q4	-	-	-	-	<0.639	-	-	-	-	-	-	-
MW107D	2005 Q1	-	-	-	-	0.51	-	-	-	-	-	-	-
MW107D	2005 Q2	-	-	-	-	<1.13	-	-	-	-	-	-	-
MW107D	2005 Q3	-	-	-	-	<1.47	-	-	-	-	-	-	-
MW107D	2005 Q4	-	-	-	-	<1.55	-	-	-	-	-	-	-
MW107S	2002 Q2	<7.85	8.73	<0	-	0.26	<11.20	<0.159	<0.159	<9.13	<0.0954	<0.122	<0.096
MW107S	2002 Q3	4.10	<15.40	3.02	-	<0.593	<11.30	<0.12	<0.12	<7.84	<0.127	<0.163	<0.266
MW107S	2002 Q4	<7.88	<5.56	<3.64	-	0.44	<11.40	<0.193	<0.109	10.30	<0.163	<0.111	<0.0924
MW107S	2003 Q1	-	-	-	-	0.54	-	<0.329	<0.186	<11.90	<0.219	<0.144	<0.124
MW107S	2003 Q2	-	-	-	<44	<1.9	-	-	-	-	-	-	-
MW107S	2003 Q3	-	-	-	-	0.36	-	-	-	-	-	-	-
MW107S	2003 Q4	-	-	-	-	0.54	-	-	-	-	-	-	-
MW107S	2004 Q1	-	-	-	-	<1.37	-	-	-	-	<0.373	-	-
MW107S	2004 Q2	-	-	-	-	2.69	-	-	-	-	-	-	-
MW107S	2004 Q3	-	-	-	-	<0.988	-	-	-	-	-	-	-
MW107S	2004 Q4	-	-	-	-	0.84	-	-	-	-	-	-	-
MW107S	2005 Q1	-	-	-	-	0.97	-	-	-	-	-	-	-
MW107S	2005 Q2	-	-	-	-	<0.968	-	-	-	-	-	-	-
MW107S	2005 Q3	-	-	-	-	<1.68	-	-	-	-	-	-	-
MW107S	2005 Q4	-	-	-	-	<1.12	-	-	-	-	-	-	-
MW108S	2003 Q4	-	-	-	-	0.63	-	-	-	-	-	-	-
MW108S	2004 Q1	-	-	-	-	<0.887	-	-	-	-	<0.0919	-	-
MW108S	2004 Q2	-	-	-	-	<1.4	-	-	-	-	-	-	-
MW108S	2004 Q3	-	-	-	-	0.46	-	-	-	-	-	-	-
MW108S	2004 Q4	-	-	-	-	<0.812	-	-	-	-	-	-	-
MW108S	2005 Q1	-	-	-	-	<0.947	-	-	-	-	-	-	-
MW108S	2005 Q2	-	-	-	-	<1.3	-	-	-	-	-	-	-
MW108S	2005 Q3	-	-	-	-	0.88	-	-	-	-	-	-	-
MW108S	2005 Q4	-	-	-	-	<1.19	-	-	-	-	-	-	-

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW109D	2002 Q1	<8.24	4.68	3.13	-	<0.666	<11.40	<0.109	<0.109	6.27	<0.275	<0.261	<0.158
MW109D	2002 Q2	<7.85	3.89	<2.95	-	<0.495	<11.10	<0.152	<0.152	<7.79	<0.211	<0.153	<0.212
MW109D	2002 Q3	<8.56	<9.22	4.91	-	<0.568	<11.10	<0.213	<0.12	4.28	<0.257	<0.301	<0.124
MW109D	2002 Q4	<8.08	11.00	<3.82	-	<0.646	9.88	<0.0959	<0.169	20.90	<0.121	<0.146	<0.122
MW109D	2003 Q2	-	-	-	<39	<1.9	-	-	-	-	-	-	-
MW109D	2003 Q3	-	-	-	-	<0.39	-	-	-	-	-	-	-
MW109D	2003 Q4	<15.90	<9.34	<3.56	-	<0.497	<9.77	<0.293	<0.293	9.51	<0.162	<0.198	<0.163
MW109D	2004 Q1	-	-	-	-	<1.01	-	-	-	-	<0.373	-	-
MW109D	2004 Q2	-	-	-	-	<1.16	-	-	-	-	-	-	-
MW109D	2004 Q3	-	-	-	-	<0.732	-	-	-	-	-	-	-
MW109D	2004 Q4	-	-	-	-	<0.609	-	-	-	-	-	-	-
MW109D	2005 Q1	-	-	-	-	<0.89	-	-	-	-	-	-	-
MW109D	2005 Q2	-	-	-	-	<1.01	-	-	-	-	-	-	-
MW109D	2005 Q3	-	-	-	-	<1.38	-	-	-	-	-	-	-
MW109D	2005 Q4	-	-	-	-	<1.27	-	-	-	-	-	-	-
MW109S	2002 Q1	4.70	9.90	<3.94	-	0.90	<11.40	<0.108	<0.108	4.45	<0.159	<0.267	<0.161
MW109S	2002 Q2	<7.85	5.35	<3.07	-	0.66	<11.40	<0.182	<0.242	<9.91	<0.1	<0.129	<0.17
MW109S	2002 Q3	<8.21	<15.30	<4.96	-	0.97	<11.30	<0.127	<0.224	9.06	<0.277	<0.352	<0.367
MW109S	2002 Q4	<8.08	11.10	<4.12	-	0.90	11.20	<0.173	<0.203	13.20	<0.131	<0.156	<0.233
MW109S	2003 Q1	-	-	-	-	0.98	-	<0.324	<0.324	<11.90	<0.14	<0.286	<0.141
MW109S	2003 Q2	-	-	-	<36	<1.7	-	-	-	-	-	-	-
MW109S	2003 Q3	-	-	-	-	0.69	-	-	-	-	-	-	-
MW109S	2003 Q4	-	-	-	-	1.01	-	-	-	-	-	-	-
MW109S	2004 Q1	-	-	-	-	<1.11	-	-	-	-	<0.369	-	-
MW109S	2004 Q2	-	-	-	-	0.80	-	-	-	-	-	-	-
MW109S	2004 Q3	-	-	-	-	0.38	-	-	-	-	-	-	-
MW109S	2004 Q4	-	-	-	-	<1.3	-	-	-	-	-	-	-
MW109S	2005 Q1	-	-	-	-	1.39	-	-	-	-	-	-	-
MW109S	2005 Q2	-	-	-	-	<1.18	-	-	-	-	-	-	-
MW109S	2005 Q3	-	-	-	-	0.92	-	-	-	-	-	-	-
MW109S	2005 Q4	-	-	-	-	0.59	-	-	-	-	-	-	-

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW110D	2002 Q1	<8.24	5.06	<3.99	-	<0.562	10.50	<0.21	<0.118	3.78	<0.183	<0.188	<0.164
MW110D	2002 Q2	<7.85	5.76	<3.12	-	<0.52	<11.10	<0.151	<0.151	<7.82	<0.231	<0.142	<0.111
MW110D	2002 Q3	<8.56	<9.96	4.15	-	2.54	<11	<0.121	<0.121	<7.06	<0.286	<0.411	<0.288
MW110D	2002 Q4	<8.08	8.85	<3.9	-	<0.696	9.99	<0.177	<0.37	21.30	<0.213	<0.257	<0.121
MW110D	2003 Q1	-	-	-	-	<0.551	-	<0.158	<0.158	<9.8	<0.147	<0.171	<0.147
MW110D	2003 Q2	-	-	-	<37	<1.7	-	-	-	-	-	-	-
MW110D	2003 Q3	-	-	-	-	0.36	-	-	-	-	-	-	-
MW110D	2003 Q4	-	-	-	-	0.45	-	-	-	-	-	-	-
MW110D	2004 Q1	-	-	-	-	0.66	-	-	-	-	<0.311	-	-
MW110D	2004 Q2	-	-	-	-	<1.15	-	-	-	-	-	-	-
MW110D	2004 Q3	-	-	-	-	<0.751	-	-	-	-	-	-	-
MW110D	2004 Q4	-	-	-	-	<1.15	-	-	-	-	-	-	-
MW110D	2005 Q1	-	-	-	-	0.97	-	-	-	-	-	-	-
MW110D	2005 Q2	-	-	-	-	<1.55	-	-	-	-	-	-	-
MW110D	2005 Q3	-	-	-	-	<1.23	-	-	-	-	-	-	-
MW110D	2005 Q4	-	-	-	-	<0.371	-	-	-	-	-	-	-
MW110S	2002 Q1	<11	4.05	3.10	-	0.34	8.44	<0.12	<0.119	6.91	<0.169	<0.199	<0.171
MW110S	2002 Q2	4.19	10.60	<3.07	-	<0.545	7.58	<0.196	<0.231	<7.57	<0.122	<0.278	<0.123
MW110S	2002 Q3	<8.57	<10.60	<5.32	-	<0.683	<10.80	<0.134	<0.237	4.12	<0.13	<0.332	<0.131
MW110S	2002 Q4	<7.88	<6.23	<3.79	-	<0.528	<11.50	<0.129	<0.228	13.20	<0.104	<0.126	<0.105
MW110S	2003 Q1	-	-	-	-	0.32	-	<0.242	<0.241	<15.10	<0.116	<0.136	<0.117
MW110S	2003 Q2	-	-	-	<39	<1.6	-	-	-	-	-	-	-
MW110S	2003 Q3	-	-	-	-	<0.423	-	-	-	-	-	-	-
MW110S	2003 Q4	-	-	-	-	0.44	-	-	-	-	-	-	-
MW110S	2004 Q1	-	-	-	-	<1.7	-	-	-	-	<0.354	-	-
MW110S	2004 Q2	-	-	-	-	0.69	-	-	-	-	-	-	-
MW110S	2004 Q3	-	-	-	-	<0.937	-	-	-	-	-	-	-
MW110S	2004 Q4	-	-	-	-	<0.919	-	-	-	-	-	-	-
MW110S	2005 Q1	-	-	-	-	1.45	-	-	-	-	-	-	-
MW110S	2005 Q2	-	-	-	-	2.35	-	-	-	-	-	-	-
MW110S	2005 Q3	-	-	-	-	<2.03	-	-	-	-	-	-	-

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW110S	2005 Q4	-	-	-	-	0.36	-	-	-	-	-	-	-
MW111S	2002 Q1	<8.24	5.61	<4.15	-	<0.629	1.00	<0.198	<0.112	6.14	<0.169	<0.517	<0.303
MW111S	2002 Q2	<7.85	4.48	4.14	-	<0.722	<11.30	<0.0885	<0.0884	<8.24	<0.178	<0.262	<0.179
MW111S	2002 Q4	<7.88	<5.4	<3.68	-	<0.527	<11.60	<0.0992	<0.175	6.12	<0.209	<0.253	<0.247
MW111S	2003 Q4	-	-	-	-	0.35	-	-	-	-	-	-	-
MW111S	2004 Q1	-	-	-	-	<0.788	-	-	-	-	<0.264	-	-
MW111S	2004 Q2	-	-	-	-	<1.11	-	-	-	-	-	-	-
MW112S	2003 Q4	-	-	-	-	5.49	-	-	-	-	-	-	-
MW112S	2004 Q1	-	-	-	-	<0.765	-	-	-	-	<0.0936	-	-
MW112S	2004 Q2	-	-	-	-	0.70	-	-	-	-	-	-	-
MW112S	2004 Q3	-	-	-	-	<0.823	-	-	-	-	-	-	-
MW112S	2004 Q4	-	-	-	-	<1.05	-	-	-	-	-	-	-
MW112S	2005 Q1	-	-	-	-	<1.77	-	-	-	-	-	-	-
MW112S	2005 Q2	-	-	-	-	<1.39	-	-	-	-	-	-	-
MW112S	2005 Q3	-	-	-	-	<1.57	-	-	-	-	-	-	-
MW112S	2005 Q4	<72.10	<10.70	<5.84	-	<1.11	<7.51	<0.113	<0.0891	<8.58	<0.035	<0.0382	<0.035
MW113S	2003 Q2	-	-	-	<44	<1.7	-	-	-	-	-	-	-
MW113S	2003 Q3	-	-	-	-	0.58	-	-	-	-	-	-	-
MW113S	2003 Q4	-	-	-	-	0.84	-	-	-	-	-	-	-
MW113S	2004 Q1	-	-	-	-	0.37	-	-	-	-	<0.248	-	-
MW113S	2004 Q2	-	-	-	-	0.67	-	-	-	-	-	-	-
MW113S	2004 Q3	-	-	-	-	<0.802	-	-	-	-	-	-	-
MW113S	2004 Q4	-	-	-	-	<1.03	-	-	-	-	-	-	-
MW113S	2005 Q1	-	-	-	-	<1.42	-	-	-	-	-	-	-
MW113S	2005 Q2	-	-	-	-	<1.35	-	-	-	-	-	-	-
MW113S	2005 Q3	-	-	-	-	<1.53	-	-	-	-	-	-	-
MW113S	2005 Q4	<71.90	<11.30	<5.87	-	<1.13	<7.55	<0.166	<0.171	<9.07	<0.0291	<0.0318	<0.0292
MW114S	2002 Q1	<8.07	4.84	<3.61	-	3.63	7.14	<0.187	<0.125	5.81	<0.247	<0.238	<0.168
MW114S	2002 Q2	<7.84	2.17	<2.61	-	3.26	<11.20	<0.11	<0.109	<7.52	<0.119	<0.145	<0.12
MW114S	2002 Q3	<8.56	<10.70	<3.93	-	1.45	<11.10	<0.462	<0.261	7.83	<0.125	<0.174	<0.126
MW114S	2002 Q4	<8.08	7.58	<3.65	-	2.62	14.70	<0.157	<0.157	11.50	<0.129	<0.265	<0.229

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW114S	2003 Q1	<8.07	7.43	<4.67	-	16.60	<12.30	<0.253	<0.143	<11.20	<0.214	<0.148	<0.122
MW114S	2003 Q2	-	-	-	<41	<1.8	-	-	-	-	-	-	-
MW114S	2003 Q3	-	-	-	-	0.73	-	-	-	-	-	-	-
MW114S	2003 Q4	-	-	-	-	1.15	-	-	-	-	-	-	-
MW114S	2004 Q1	-	-	-	-	3.92	-	-	-	-	<0.259	-	-
MW114S	2004 Q2	-	-	-	-	<1.19	-	-	-	-	-	-	-
MW115S	2002 Q1	<8.07	7.19	<3.89	-	3.85	<10.60	<0.165	<0.245	<9.5	<0.183	<0.388	<0.274
MW115S	2002 Q2	<7.85	<8.14	<2.41	-	0.52	<11.30	<0.112	<0.111	<6.8	<0.131	<0.16	<0.131
MW115S	2002 Q3	<8.56	<11.90	3.39	-	2.40	<10.90	<0.202	<0.201	11.60	<0.232	<0.182	<0.132
MW115S	2002 Q4	<8.08	<15.10	<3.85	-	1.42	<12.20	<0.145	<0.145	11.30	<0.224	<0.261	<0.266
MW115S	2003 Q1	-	-	-	-	1.33	-	<0.146	<0.146	<9.29	<0.226	<0.152	<0.128
MW115S	2003 Q2	-	-	-	<37	<1.5	-	-	-	-	-	-	-
MW115S	2003 Q4	-	-	-	-	1.41	-	-	-	-	-	-	-
MW115S	2004 Q1	-	-	-	-	1.64	-	-	-	-	<0.198	-	-
MW117S	2002 Q4	-	-	-	-	1.28	-	-	-	-	-	-	-
MW117S	2003 Q1	-	-	-	-	1.41	-	-	-	-	-	-	-
MW117S	2003 Q2	-	-	-	<45	1.40	-	-	-	-	-	-	-
MW117S	2003 Q3	-	-	-	-	1.42	-	-	-	-	-	-	-
MW117S	2003 Q4	-	-	-	-	0.77	-	-	-	-	-	-	-
MW117S	2004 Q1	-	-	-	-	<1.09	-	-	-	-	<0.27	-	-
MW117S	2004 Q2	-	-	-	-	0.79	-	-	-	-	-	-	-
MW117S	2004 Q3	-	-	-	-	0.81	-	-	-	-	-	-	-
MW117S	2004 Q4	-	-	-	-	<1.55	-	-	-	-	-	-	-
MW117S	2005 Q1	-	-	-	-	0.67	-	-	-	-	-	-	-
MW117S	2005 Q2	-	-	-	-	<1.4	-	-	-	-	-	-	-
MW117S	2005 Q3	-	-	-	-	1.72	-	-	-	-	-	-	-
MW117S	2005 Q4	-	-	-	-	1.25	-	-	-	-	-	-	-
MW118A-3	2005 Q4	<40.60	<11.50	<7.58	-	<0.995	10.30	<0.12	<0.099	<10.40	<0.0281	<0.0322	<0.0861
MW118A-4	2005 Q4	58.50	17.50	<5.51	-	<1.46	<7.31	<0.0635	<0.0911	<7.47	<0.0514	<0.0474	<0.0578
MW118A-5	2005 Q4	-	-	-	-	<1.96	-	-	-	-	-	-	-
MW119-2	2005 Q4	-	-	-	-	<1.33	-	-	-	-	-	-	-

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW119-4	2005 Q4	-	-	-	-	1.75	-	-	-	-	-	-	-
MW119-5	2005 Q4	<77.60	<21.40	<5.02	-	<1.17	<7.6	<0.0901	<0.112	<9.49	<0.0506	<0.0303	<0.0507
MW119-6	2005 Q4	-	-	-	-	2.02	-	-	-	-	-	-	-
MW120-1	2005 Q4	-	-	-	-	<1.66	-	-	-	-	-	-	-
MW120-2	2005 Q4	-	-	-	-	<0.922	-	-	-	-	-	-	-
MW120-3	2005 Q4	-	-	-	-	<1.48	-	-	-	-	-	-	-
MW120-4	2005 Q4	-	-	-	-	<1.29	-	-	-	-	-	-	-
MW120-5	2005 Q4	<40.60	9.26	<8.3	-	<1.53	6.94	<0.211	<0.133	<11	<0.0475	<0.0287	<0.0258
MW121A-2	2005 Q4	-	-	-	-	<1.79	-	-	-	-	-	-	-
MW121A-3	2005 Q4	-	-	-	-	<0.963	-	-	-	-	-	-	-
MW121A-4	2005 Q4	<77.30	<20.20	<9.06	-	1.58	<7.76	<0.125	<0.113	<6.23	<0.0273	<0.0304	<0.0274
MW121A-5	2005 Q4	-	-	-	-	<0.913	-	-	-	-	-	-	-
MW122D	2003 Q1	-	-	-	-	<0.693	-	<0.108	<0.108	-	<0.198	<0.126	<0.234
MW122D	2003 Q2	-	<10	<11	<45	1.21	-	<0.22	-	<5.3	<0.34	<0.046	-
MW122D	2003 Q3	-	-	-	-	<0.398	-	-	-	-	-	-	-
MW122D	2003 Q4	-	-	-	-	0.21	-	-	-	-	-	-	-
MW122D	2004 Q1	-	-	-	-	0.55	-	-	-	-	<0.148	-	-
MW122D	2004 Q2	-	-	-	-	3.29	-	-	-	-	-	-	-
MW122D	2004 Q3	-	-	-	-	<0.852	-	-	-	-	-	-	-
MW122D	2004 Q4	-	-	-	-	<0.825	-	-	-	-	-	-	-
MW122D	2005 Q1	-	-	-	-	<1.45	-	-	-	-	-	-	-
MW122D	2005 Q2	-	-	-	-	1.50	-	-	-	-	-	-	-
MW122D	2005 Q3	-	-	-	-	<1.48	-	-	-	-	-	-	-
MW122D	2005 Q4	-	-	-	-	<1.29	-	-	-	-	-	-	-
MW122S	2003 Q1	-	-	-	-	1.59	-	<0.122	<0.216	<7.5	<0.0932	<0.186	<0.0935
MW122S	2003 Q2	<89	<10	<10	<42	<1.7	<6.8	<0.13	-	<4.3	<0.35	<0.091	-
MW122S	2003 Q3	-	-	-	-	1.24	-	-	-	-	-	-	-
MW122S	2003 Q4	-	-	-	-	0.81	-	-	-	-	-	-	-
MW122S	2004 Q1	-	-	-	-	0.64	-	-	-	-	<0.317	-	-
MW122S	2004 Q2	-	-	-	-	0.57	-	-	-	-	-	-	-
MW122S	2004 Q3	-	-	-	-	1.23	-	-	-	-	-	-	-

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW122S	2004 Q4	-	-	-	-	<0.936	-	-	-	-	-	-	-
MW122S	2005 Q1	-	-	-	-	1.20	-	-	-	-	-	-	-
MW122S	2005 Q2	-	-	-	-	1.08	-	-	-	-	-	-	-
MW122S	2005 Q3	-	-	-	-	<1.72	-	-	-	-	-	-	-
MW122S	2005 Q4	-	-	-	-	0.44	-	-	-	-	-	-	-
MW123S	2003 Q1	-	-	-	-	0.63	-	<0.186	<0.186	<11.10	<0.122	<0.248	<0.122
MW123S	2003 Q2	-	<9.4	<12	<40	<1.6	-	<0.15	-	<0	<0.33	<0.046	-
MW123S	2003 Q4	-	-	-	-	1.37	-	-	-	-	-	-	-
MW123S	2004 Q1	-	-	-	-	0.87	-	-	-	-	<0.284	-	-
MW123S	2004 Q2	-	-	-	-	<1.34	-	-	-	-	-	-	-
MW123S	2004 Q3	-	-	-	-	0.55	-	-	-	-	-	-	-
MW123S	2004 Q4	-	-	-	-	0.52	-	-	-	-	-	-	-
MW123S	2005 Q1	-	-	-	-	1.38	-	-	-	-	-	-	-
MW123S	2005 Q2	-	-	-	-	0.85	-	-	-	-	-	-	-
MW123S	2005 Q4	-	-	-	-	<1.25	-	-	-	-	-	-	-
MW124S	2003 Q2	<100.0	<9.3	<7.7	<40	<1.6	<5.3	<0.15	-	<3.6	0.30	<0.051	-
MW124S	2003 Q4	-	-	-	-	0.54	-	-	-	-	-	-	-
MW124S	2004 Q1	-	-	-	-	<1.12	-	-	-	-	<0.486	-	-
MW124S	2004 Q2	-	-	-	-	1.33	-	-	-	-	-	-	-
MW124S	2004 Q3	-	-	-	-	<0.687	-	-	-	-	-	-	-
MW124S	2004 Q4	-	-	-	-	<0.639	-	-	-	-	-	-	-
MW124S	2005 Q1	-	-	-	-	0.94	-	-	-	-	-	-	-
MW124S	2005 Q2	-	-	-	-	0.75	-	-	-	-	-	-	-
MW124S	2005 Q3	-	-	-	-	<1.43	-	-	-	-	-	-	-
MW124S	2005 Q4	-	-	-	-	<1.19	-	-	-	-	-	-	-
MW125S	2003 Q1	-	-	-	-	0.69	-	<0.18	<0.102	<6.34	<0.114	<0.131	<0.202
MW125S	2003 Q2	<100.0	<9.7	<7.9	<42	1.41	<5.7	<0.27	-	<5.4	<0.36	<0.051	-
MW125S	2003 Q3	-	-	-	-	1.17	-	-	-	-	-	-	-
MW125S	2003 Q4	-	-	-	-	6.51	-	-	-	-	-	-	-
MW125S	2004 Q1	-	-	-	-	3.15	-	-	-	-	<0.307	-	-
MW125S	2004 Q2	-	-	-	-	1.78	-	-	-	-	-	-	-

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW125S	2004 Q3	-	-	-	-	1.93	-	-	-	-	-	-	-
MW125S	2004 Q4	-	-	-	-	3.08	-	-	-	-	-	-	-
MW125S	2005 Q2	-	-	-	-	1.66	-	-	-	-	-	-	-
MW125S	2005 Q3	-	-	-	-	0.75	-	-	-	-	-	-	-
MW125S	2005 Q4	-	-	-	-	2.51	-	-	-	-	-	-	-
MW200	2004 Q4	<11	<19.90	<13.10	-	<1.18	<10.20	<0.148	<0.166	<10.70	<0.247	<0.215	<0.336
MW203	2002 Q1	<8.24	<5.97	<4.22	-	<0.48	13.90	<0.187	<0.105	3.50	<0.254	<0.244	<0.145
MW203	2002 Q4	<7.89	<5.49	<3.85	-	<0.758	<11.50	<0.105	<0.219	10.30	<0.119	<0.142	<0.211
MW203	2004 Q4	<10.90	<19.80	<8.26	-	<1.2	<10.30	<0.387	<0.309	<11.40	<0.244	<0.266	<0.323
MW205	2004 Q4	<10.90	<17.40	<6.8	-	<0.769	<8.55	<0.249	<0.161	<11.30	<0.244	<0.182	<0.354
MW207	2002 Q1	<8.23	4.04	<4.02	-	<0.565	<11.40	<0.105	<0.105	5.14	<0.15	<0.255	<0.151
MW207	2003 Q3	<31.70	12.10	<16.10	-	0.44	<9.52	<0.223	<0.52	<13	<0.326	<0.232	<0.186
MW207	2004 Q4	<10.80	<20	<13.40	-	<1.03	6.80	<0.399	<0.238	<10.10	<0.213	<0.237	<0.389
MW208	2003 Q4	<15.80	3.77	<3.55	-	0.89	<10.10	<0.308	<0.174	<9.48	<0.116	<0.14	<0.116
MW208	2004 Q4	<10.90	<18.20	<6.63	-	<0.741	<8.57	0.13	<0.156	<11.90	<0.267	<0.245	<0.394
MW1	2004 Q2	-	-	-	-	0.94	-	-	-	-	-	-	-
MW1	2004 Q4	-	-	-	-	<1.29	-	-	-	-	-	-	-
MW2	2002 Q4	<7.89	<5.72	<3.83	-	0.41	<11.40	<0.176	<0.0998	11.20	<0.175	<0.12	<0.0997
MW2	2004 Q2	-	-	-	-	<1.02	-	-	-	-	-	-	-
MW2	2004 Q4	-	-	-	-	<0.91	-	-	-	-	-	-	-
MW3	2004 Q2	-	-	-	-	<1.24	-	-	-	-	-	-	-
MW3	2004 Q4	-	-	-	-	<0	-	-	-	-	-	-	-
MW4	2004 Q4	-	-	-	-	<1.26	-	-	-	-	-	-	-
MW502	2005 Q1	-	-	-	-	<1.24	-	-	-	-	-	-	-
MW502	2005 Q2	-	-	-	-	1.51	-	-	-	-	-	-	-
MW503	2005 Q1	-	-	-	-	0.97	-	-	-	-	-	-	-
MW503	2005 Q2	-	-	-	-	0.94	-	-	-	-	-	-	-
MW504	2005 Q1	-	-	-	-	1.39	-	-	-	-	-	-	-
MW504	2005 Q2	-	-	-	-	<1.37	-	-	-	-	-	-	-
MW505	2005 Q1	-	-	-	-	1.19	-	-	-	-	-	-	-
MW505	2005 Q2	-	-	-	-	<1.32	-	-	-	-	-	-	-

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-4: HTD Concentrations (pCi/L) in Groundwater (continued)

Well ID	Sample Event	C-14	Fe-55	Ni-63	Sr-89	Sr-90	Tc-99	Pu-238	Pu-239,40	Pu-241	Am-241	Cm-242	Cm-243,44
MW507D	2005 Q1	-	-	-	-	1.29	-	-	-	-	-	-	-
MW507D	2005 Q2	-	-	-	-	<1.02	-	-	-	-	-	-	-
MW507S	2005 Q1	-	-	-	-	1.55	-	-	-	-	-	-	-
MW507S	2005 Q2	-	-	-	-	<1.36	-	-	-	-	-	-	-
MW508D	2005 Q1	-	-	-	-	<1.24	-	-	-	-	-	-	-
MW508D	2005 Q2	-	-	-	-	<1.28	-	-	-	-	-	-	-
MW508D	2005 Q3	-	-	-	-	3.18	-	-	-	-	-	-	-
MW508D	2005 Q4	-	-	-	-	<1.16	-	-	-	-	-	-	-
MW508S	2004 Q4	-	-	-	-	<0.931	-	-	-	-	-	-	-
MW508S	2005 Q1	-	-	-	-	0.93	-	-	-	-	-	-	-
MW508S	2005 Q2	-	-	-	-	<1.5	-	-	-	-	-	-	-
MW508S	2005 Q3	-	-	-	-	0.89	-	-	-	-	-	-	-
MW508S	2005 Q4	-	-	-	-	<1.23	-	-	-	-	-	-	-
ATW1	2004 Q4	<10.70	<19.10	<9.21	<0.852	<0.852	<9.14	<0.176	<0.352	<12.90	<0.386	<0.275	<0.372
ATW1	2005 Q1	<49.20	<13.80	<8.48	-	0.40	<5.7	<0.181	<0.161	<8.82	<0.305	<0.214	<0.39
ATW1	2005 Q2	<74.80	<25.40	<6.22	-	0.82	<7.52	<0.499	<0.444	<33.40	<0.314	<0.334	<0.171
ATW1	2005 Q3	<60.30	<18.40	<7.6	-	<1.82	<8.49	<0.149	<0.133	<11.80	<0.141	<0.0734	<0.144
ATW1	2005 Q4	56.40	<13.40	<6.54	-	0.54	<7.27	<0.07	<0.134	<7.06	<0.107	<0.0448	<0.205
CMS	2004 Q4	<14.20	16.50	<10.20	-	2.43	<9.1	<0.23	<0.23	<9.73	<0.378	<0.193	<0.34
CMS	2005 Q1	<49.60	<10.80	<8.8	-	2.15	<5.21	<0.212	<0.116	<8.88	<0.284	<0.195	<0.374
CMS	2005 Q2	<129.0	<20.40	<5.47	-	<1.02	<5.9	<0.216	<0.198	<6.87	<0.225	<0.106	<0.226
EOF2	2002 Q1	<8.24	5.56	<4.03	-	<0.539	<11.30	<0.118	<0.118	5.70	<0.137	<0.235	<0.139
EOF2	2004 Q2	-	-	-	-	<1.34	-	-	-	-	-	-	-
EOF2	2004 Q3	-	-	-	-	0.88	-	-	-	-	-	-	-
EOF2	2004 Q4	-	-	<5.79	-	<1.34	-	-	-	-	-	-	-
EOF2	2005 Q1	-	-	-	-	<0.825	-	-	-	-	-	-	-
SUPPLY WELL B	2002 Q4	-	-	-	-	<0.579	-	-	-	-	-	-	-

Notes:

Bold values are greater than EPA 4-mrem maximum contaminant level (MCL).

(<) Non-detect with minimum detection concentration (MDC).

Table 4-5: Total Uranium Concentrations (µg/L) in Groundwater

Well ID	2003 Q4	2004 Q3	2004 Q4	2005 Q1	2005 Q2	2005 Q3	2005 Q4
MW100D	0.0714	8.38	0.275	< 0.756	0.0206	0.176	-
MW100S	0.146	< 0.2	0.078	0.148	< 0.682	0.215	0.183
MW101D	10.5	16.6	22.4	40.3	8.95	20.9	0.164
MW101S	0.221	0.195	0.131	0.843	0.188	1.45	0.333
MW102D	8.89	9.95	10.5	12	13.3	18.7	16.7
MW102S	0.653	1.56	0.795	0.884	0.821	1.58	0.769
MW103D	4.28	6.79	6.76	-	-	-	21.2
MW103S	0.478	27.3	-	-	-	-	0.329
MW104S	0.0779	0.138	0.102	< 0.756	0.33	-	-
MW105D	5.86	-	-	-	-	69.6	68.4
MW105S	0.526	-	-	-	-	0.339	0.214
MW106D	6.1	8.48	22.1	58	67.8	21.1	13.7
MW106S	0.205	1.27	3.49	1.62	1.06	0.335	0.372
MW107D	0.565	1.37	0.0396	0.786	-	14.2	1.46
MW107S	0.0216	< 0.2	0.0415	< 0.756	-	0.0619	0.215
MW108S	0.0288	< 0.2	0.231	< 0.756	< 0.682	0.094	0.451
MW109D	-	9.17	9.51	9.68	9.25	11.1	2.86
MW109S	0.0364	< 0.2	0.208	< 0.2	0.234	0.112	0.14
MW110D	12	15.1	5.95	8.86	13.4	16.1	22.2
MW110S	0.0122	< 0.2	< 0.2	< 0.756	< 0.682	0.0552	0.134
MW111S	0.0397	-	-	-	-	-	-
MW112S	0.0155	-	-	-	-	-	-
MW113S	0.0716	-	-	-	-	-	-
MW114S	0.0275	-	-	-	-	-	-
MW115S	0.285	-	-	-	-	-	-
MW117S	0.0073	-	-	-	-	-	-
MW118A-3	-	-	-	-	-	-	251
MW118A-4	-	-	-	-	-	-	29.2
MW119-2	-	-	-	-	-	-	391
MW119-4	-	-	-	-	-	-	47.3
MW119-5	-	-	-	-	-	-	676
MW120-1	-	-	-	-	-	-	42.3
MW120-2	-	-	-	-	-	-	31.6
MW120-3	-	-	-	-	-	-	69.2
MW120-4	-	-	-	-	-	-	49.6
MW122D	3.27	0.608	7.78	< 0.756	1.36	1.43	1.46
MW122S	0.211	< 0.2	0.263	0.892	0.18	0.375	0.284
MW123S	1.36	-	-	-	-	-	-
MW124S	0.0392	-	-	-	< 0.682	-	-
MW125S	0.106	-	-	-	-	-	0.713
MW200	0.104	-	0.274	-	-	-	-
MW201	0.0965	-	-	-	-	-	-
MW203	0.0871	-	0.124	-	-	-	-
MW205	0.0095	-	0.0028	-	-	-	-

Notes:

Bold values are greater than EPA maximum contaminant level (MCL).

(<) Non-detect with minimum detection level (MDL).

Table 4-5: Total Uranium Concentrations (µg/L) in Groundwater (continued)

Well ID	2003 Q4	2004 Q3	2004 Q4	2005 Q1	2005 Q2	2005 Q3	2005 Q4
MW207	0.0193	-	0.211	-	-	-	-
MW208	0.526	-	0.308	-	-	-	-
MW504	-	-	-	-	< 0.682	-	-
MW507D	-	-	-	< 0.2	11.4	-	-
MW508D	-	-	-	6.54	6.81	8.39	7.41
ATW1	-	-	0.106	< 0.756	0.0244	0.0576	0.366
CMS	-	-	0.804	0.407	0.269	-	-
EOF2	0.222	-	-	-	-	-	-

Notes:

Bold values are greater than EPA maximum contaminant level (MCL).

(<) Non-detect with minimum detection level (MDL).

Table 4-6: Isotopic Uranium Concentrations (pCi/L) in Groundwater

Well ID	U-234	U-235	U-238
	Conc. $\pm 2\text{-}\sigma$	Conc. $\pm 2\text{-}\sigma$	Conc. $\pm 2\text{-}\sigma$
MW103B	22.4 $\pm$ 1.75	0.99 $\pm$ 0.414	20.9 $\pm$ 1.69
MWR105D	17.8 $\pm$ 1.42	0.939 $\pm$ 0.361	16.4 $\pm$ 1.36
MW118A-3	111 $\pm$ 3.73	6.13 $\pm$ 0.979	93.4 $\pm$ 3.43
MW119-2	189 $\pm$ 6.14	13 $\pm$ 1.79	177 $\pm$ 5.94
MW119-4	25.8 $\pm$ 1.91	2.05 $\pm$ 0.6	22.2 $\pm$ 1.78
MW119-5	255 $\pm$ 8.56	20.3 $\pm$ 2.69	258 $\pm$ 8.61
MW120-1	15.5 $\pm$ 1.45	0.876 $\pm$ 0.384	16.3 $\pm$ 1.49
MW120-1 Replicate	17.6 $\pm$ 1.44	1.03 $\pm$ 0.392	17.5 $\pm$ 1.43
MW120-3	27.8 $\pm$ 1.75	1.71 $\pm$ 0.484	26.7 $\pm$ 1.72
MW120-4	20 $\pm$ 1.61	1.03 $\pm$ 0.412	19.6 $\pm$ 1.6

Table 4-7: U-234/U-238 and U-238/U-235 Activity Ratios in Groundwater

Well ID	U-234/U-238	U-238/U-235
	Ratio $\pm 2\text{-}\sigma$	Ratio $\pm 2\text{-}\sigma$
MW103B	1.072 $\pm$ 0.121	21.1 $\pm$ 9.0
MWR105D	1.085 $\pm$ 0.125	17.5 $\pm$ 6.9
MW118A-3	1.188 $\pm$ 0.059	15.2 $\pm$ 2.5
MW119-2	1.068 $\pm$ 0.050	13.6 $\pm$ 1.9
MW119-4	1.162 $\pm$ 0.127	10.8 $\pm$ 3.3
MW119-5	0.988 $\pm$ 0.047	12.7 $\pm$ 1.7
MW120-1	0.951 $\pm$ 0.124	18.6 $\pm$ 8.3
MW120-1 Replicate	1.006 $\pm$ 0.116	17.0 $\pm$ 6.6
MW120-3	1.041 $\pm$ 0.094	15.6 $\pm$ 4.5
MW120-4	1.020 $\pm$ 0.117	19.0 $\pm$ 7.8
Mean Ratio $\pm 2\text{-}\sigma$	1.06 $\pm$ 0.14	16.1 $\pm$ 6.3

Table 4-8: U-235 to Total Uranium Mass Ratios in Groundwater

Well ID	U-235 Conc. (µg/L)	U-238 Conc. (µg/L)	Total U Conc. (µg/L)	U-235/Total U Mass Ratio
MW103B	0.441	64.6	65	0.678%
MWR105D	0.331	49	49.3	0.671%
MWR105D Replicate	0.345	50.8	51.2	0.674%
MW118A-3	2.07	315	317	0.654%
MW119-2	3.56	524	528	0.675%
MW119-4	0.45	65.6	66	0.682%
MW119-5	5.07	731	736	0.689%
MW120-1	0.355	52	52.4	0.678%
MW120-3	0.57	81	81.6	0.699%
MW120-4	0.391	57.5	57.9	0.675%
Mean Ratio ± 2σ				0.678% ± .024%

Table 5-1: Required MDC Values

Nuclide	MDC (pCi/L)	Analysis Type	Nuclide	MDC (pCi/L)	Analysis Type
Gross α	3	Gas Prop.	Ag-108m	50	γ Spec.
Gross β	4	Gas Prop.	Cs-134	14	γ Spec.
H-3	400	LSC	Cs-137	15	γ Spec.
C-14	200	LSC	Eu-152	50	γ Spec.
Mn-54	50	γ Spec.	Eu-154	50	γ Spec.
Fe-55	25	LSC	Eu-155	50	γ Spec.
Co-60	25	γ Spec.	Pu-238	0.5	α Spec.
Ni-63	15	LSC	Pu-239	0.5	α Spec.
Sr-90	2	GPC	Pu-241	15	LSC
Nb-94	50	γ Spec.	Am-241	0.5	α Spec.
Tc-99	15	LSC	Cm-243	0.5	α Spec.

Table 5-2: Field Duplicate Results for 3rd Quarter 2005

Sample ID	Analyte	Units	Sample Concentration ± 2-σ Uncert.	Duplicate Concentration ± 2-σ Uncert.	RPD	AZS
MW131D	Gross α	(pCi/L)	4.29 ± 1.79	6.03 ± 1.83	33.7%	1.36
MWR105S	Gross β	(pCi/L)	9.39 ± 1.96	8.12 ± 2.27	14.5%	0.85
MW131D	Gross β	(pCi/L)	13.2 ± 2.28	13.8 ± 2.26	4.4%	0.37
MW131D	H-3	(pCi/L)	1290 ± 285	1380 ± 291	6.7%	0.44
MWR105S	Boron	(μg/L)	45.3	40.4	11.4%	
MW109S	Boron	(μg/L)	112	104	7.4%	
MW131D	Boron	(μg/L)	158	165	4.3%	
MW131D	Sr-90	(pCi/L)	1.94 ± 0.927	2.07 ± 0.993	6.5%	0.19
MWR105S	Total U	(μg/L)	0.339 ± 0.0172	0.205 ± 0.0258	49.3%	8.64
MW131D	Total U	(μg/L)	3.46 ± 0.085	1.94 ± 0.0567	56.3%	29.75

Table 5-3: Field Duplicate Results for 4th Quarter 2005

Sample ID	Analyte	Units	Sample Concentration ± 2-σ Uncert.	Duplicate Concentration ± 2-σ Uncert.	RPD	AZS
MW102D	Gross Alpha	(pCi/L)	15 ± 2.71	13.6 ± 2.88	9.8%	0.71
MW118A-4	Gross Alpha	(pCi/L)	24.3 ± 3.58	23.3 ± 3.51	4.2%	0.40
MW133	Gross Alpha	(pCi/L)	5.95 ± 2.42	4.92 ± 2.54	19.0%	0.59
MW102D	Gross Beta	(pCi/L)	6.77 ± 1.89	8.03 ± 2.16	17.0%	0.88
MW118A-4	Gross Beta	(pCi/L)	17.2 ± 2.63	15.4 ± 2.49	11.0%	0.99
MW133	Gross Beta	(pCi/L)	45.3 ± 3.86	39.2 ± 4.9	14.4%	1.96
MW102D	H-3	(pCi/L)	3070 ± 264	2920 ± 256	5.0%	0.82
MW118A-4	H-3	(pCi/L)	10200 ± 358	9720 ± 353	4.8%	1.91
MW133	H-3	(pCi/L)	3580 ± 275	3620 ± 270	1.1%	0.21
MW102D	Boron	(μg/L)	108	103	4.7%	
MW109D	Boron	(μg/L)	170	178	4.6%	
MW118A-4	Boron	(μg/L)	291	288	1.0%	
MW133	Boron	(μg/L)	244	252	3.2%	
MW102D	Total U	(μg/L)	16.7 ± 0.354	16.7 ± 0.353	0.0%	0.00
MW133	Total U	(μg/L)	5.5 ± 0.119	5.64 ± 0.121	2.5%	1.65

Table 5-4: Lab Duplicate Results for 3rd Quarter 2005

Sample ID	Analyte	Units	Sample Concentration ± 2-σ Uncert.	Duplicate Concentration ± 2-σ Uncert.	RPD	AZS
MW106S	Gross α	(pCi/L)	3.72 ± 2.19	5.48 ± 3.59	38.3%	0.84
MW106S	Gross β	(pCi/L)	26.7 ± 5.75	28.9 ± 4.95	7.9%	0.58
MW110S	Gross β	(pCi/L)	5.61 ± 2.68	5.42 ± 1.91	3.4%	0.12
MW134	Gross β	(pCi/L)	16.2 ± 1.6	13.7 ± 1.96	16.7%	1.98
MWR106D	Boron	(μg/L)	389	359	8.0%	
MW106S	Boron	(μg/L)	565	570	0.9%	
MW112S	Boron	(μg/L)	56.1	55.9	0.4%	
MW125S	Boron	(μg/L)	169	150	11.9%	
MW130	Boron	(μg/L)	361	342	5.4%	
MW134	Boron	(μg/L)	244	265	8.3%	
MW106S	Sr-90	(pCi/L)	1.23 ± 0.719	1.81 ± 0.834	38.2%	1.05
MW130	Sr-90	(pCi/L)	16.2 ± 2.54	8.84 ± 1.42	58.8%	5.06
MW130 RD	Sr-90	(pCi/L)	1.52 ± 0.758	0.851 ± 0.655	56.4%	1.34
MW508D	Sr-90	(pCi/L)	3.18 ± 1.02	0.941 ± 0.62	108.7%	3.75
MW508S	Sr-90	(pCi/L)	0.886 ± 0.766	2.52 ± 0.887	95.9%	2.79
MWR106D	Total U	(μg/L)	21.1 ± 0.479	20.7 ± 0.476	1.9%	1.18
MW107S	Total U	(μg/L)	0.062 ± 0.035	0.065 ± 0.0082	5.0%	0.18
MW131D Dup.	Total U	(μg/L)	1.94 ± 0.0567	2.04 ± 0.0599	5.0%	2.42

Table 5-5: Lab Duplicate Results for 4th Quarter 2005

Sample ID	Analyte	Units	Sample Conc. ± 2-σ Uncert.	Duplicate Conc. ± 2-σ Uncert.	RPD	AZS
MWR105D	Gross Alpha	(pCi/L)	23.6 ± 4.92	21.5 ± 3.19	9.3%	0.72
ATW1	Gross Beta	(pCi/L)	6.58 ± 1.95	9.19 ± 2.06	33.1%	1.84
MWR105D	Gross Beta	(pCi/L)	14.5 ± 3.35	13.7 ± 2.34	5.7%	0.39
MW136S	Gross Beta	(pCi/L)	9.93 ± 2.22	8.72 ± 2.35	13.0%	0.75
MWR105D	H-3	(pCi/L)	5930 ± 320	6440 ± 335	8.2%	2.20
MW118A-4	H-3	(pCi/L)	10200 ± 358	10800 ± 488	5.7%	1.98
MW122S	H-3	(pCi/L)	640 ± 337	454 ± 231	34.0%	0.91
MW102S	Boron	(µg/L)	26.7	25.7	3.8%	
MWR105D	Boron	(µg/L)	100	103	3.0%	
MW119-4	Boron	(µg/L)	94.6	97	2.5%	
MW120-5	Boron	(µg/L)	94.9	98.7	3.9%	
MW121A-4	Boron	(µg/L)	176	167	5.2%	
MW123S	Boron	(µg/L)	121	118	2.5%	
MW136S	Boron	(µg/L)	45.6	42.9	6.1%	
MW138	Boron	(µg/L)	17.2	16.2	6.0%	
MW138	Sr-90	(pCi/L)	1.38 ± 0.806	0.988 ± 0.663	33.1%	0.75
MW123S	Bi-214	(pCi/L)	49.9 ± 9.52	49 ± 8.11	1.8%	0.14
MW123S	Pb-214	(pCi/L)	68.3 ± 12	52.8 ± 8.74	25.6%	2.09
MW120-1	U-234	(pCi/L)	15.5+/-1.45	17.6+/-1.44	12.7%	2.06
MWR105D	U-235	(mass%)	0.671	0.674	0.4%	
MWR105D	U-235	(µg/L)	0.331	0.345	4.1%	
MW120-1	U-235	(pCi/L)	0.876+/-0.384	1.03+/-0.392	16.2%	0.56
MWR105D	U-238	(µg/L)	49	50.8	3.6%	
MW120-1	U-238	(pCi/L)	16.3+/-1.49	17.5+/-1.43	7.1%	1.16
MW102S	Total U	(µg/L)	0.769 ± 0.0196	0.78 ± 0.0184	1.4%	0.82
MWR105D	Total U	(µg/L)	68.4 ± 4.43	68.8 ± 4.52	0.6%	0.13
MW136S	Total U	(µg/L)	2.23 ± 0.0527	2.31 ± 0.0549	3.5%	2.10

Table 5-6: Lab Duplicate Results for Westbay Sample Events
– July 2005 through November 2005 –

Sample ID	Analyte	Sample Concentration ± 2-σ Uncert.	Duplicate Concentration ± 2-σ Uncert.	Units	RPD	AZS
MW120-4	Gross α	33.8 ± 6.36	40.7 ± 6.87	(pCi/L)	18.5%	1.5
MW120-4	Gross β	19.9 ± 3.96	21.1 ± 4.0	(pCi/L)	5.9%	0.4
MW118A-1	H-3	2620 ± 226	2710 ± 232	(pCi/L)	3.4%	0.6
MW119-2	boron	215	209	(μg/L)	2.8%	-

Table 5-7: MAPEP Lab Performance Data Summary

Sample Media	Gamma Isotopic	Alpha Isotopic	HTD	False Positive	Total
Filter	100.0%	100.0%	100.0%	100.0%	100.0%
Water	100.0%	97.5%	93.8%	71.4%	97.6%
Soil	100.0%	91.4%	73.7%	71.4%	92.2%
All Totals	100.0%	95.6%	87.0%	75.0%	95.9%

Table 5-8: ERA Lab Performance Data Summary

Gamma Isotopic	Alpha Isotopic	HTD	Total
97.3%	96.7%	100%	98.0%

Table 5-9: QC Summary for 3rd Quarter 2005 Sample Event

Sample Type	Analyte Tests	Percent of Total Samples
Samples	836	70.3 %
QC Blanks	85	7.1 %
QC Lab Controls	93	7.9 %
QC Matrix Spikes	83	7.0 %
QC Duplicates	92	7.7 %
Sample/QC Totals	1189	100. %

Table 5-10: QC Summary for 4th Quarter 2005 Sample Event

Sample Type	Analyte Tests	Percent of Total Samples
Samples	1480	71.5 %
QC Blanks	145	7.0 %
QC Lab Controls	163	7.9 %
QC Matrix Spikes	140	6.8 %
QC Duplicates	141	6.8 %
Sample/QC Totals	1958	100. %

Table 5-11: QC Summary for Multilevel Sample Events

Sample Type	Analyte Tests	Percent of Total Samples
Samples	578	63.4 %
QC Blanks	97	10.6 %
QC Lab Controls	102	11.1 %
QC Matrix Spikes	67	7.3 %
QC Duplicates	67	7.3 %
Sample/QC Totals	911	100 %

Table 5-12: Lab QC Acceptance Limits

QC Category	GEL Acceptance Limits (%)
Duplicates	± 20%
Blank Spikes, Matrix Spikes	± 25%
Method Blanks	< CRDL

Table 5-13: Internal Performance Data Summary (LCS, MS)

Method	Q3 2005	Q4 2005	Total
Geochem/Boron	91.7%	100.0%	96.4%
Total U.	100.0%	100.0%	100%
γ-isotopic	100.0%	100.0%	100%
α-isotopic	100.0%	100.0%	100%
LSC	100.0%	97.9%	98.6%
GPC	85.7%	95.5%	91.7%
All Totals	95.4%	98.3%	97.2%

Table 5-14: Blank Performance Data Summary for 3rd Quarter 2005

Well ID	Analyte	Units	Net Conc.	2-σ Uncert.	MDC/MDL	Notes
QC Blank	Sr-90	pCi/L	0.616	0.602	1.27	Net > 2σ
QC Blank	Sr-90	pCi/L	0.616	0.602	1.27	Net > 2σ
QC Blank	Nb-94	pCi/L	2.6	1.52	3.46	Net > 2σ
QC Blank	Eu-152	pCi/L	6.64	5.93	11.1	Net > 2σ
QC Blank	Total U	μg/L	0.0636	0.00936	0.0865	Net > 2σ
QC Blank	Boron	μg/L	15	-	4	Net > MDL
QC Blank	Boron	μg/L	15	-	4	Net > MDL
QC Blank	Boron	μg/L	15	-	4	Net > MDL
QC Blank	Boron	μg/L	15	-	4	Net > MDL
QC Blank	Boron	μg/L	15	-	4	Net > MDL
QC Blank	Boron	μg/L	15	-	4	Net > MDL
QC Blank (Field)	Boron	μg/L	15	-	4	Net > MDL
QC Blank	Total U	μg/L	0.119	0.0186	0.0865	Net > MDL
QC Blank	Total U	μg/L	0.153	0.0163	0.0865	Net > MDL

Table 5-15: Blank Performance Data Summary for 4th Quarter 2005

Well ID	Analyte	Units	Net Conc. (pCi/L)	2- σ Uncert. (pCi/L)	MDC (pCi/L)	Notes
Q/C Blank	Gross Beta	pCi/L	0.838	0.696	1.32	Net > 2 σ
Q/C Blank (Field)	Gross Beta	pCi/L	2.01	1.52	2.98	Net > 2 σ
Q/C Blank (MW120)	Gross Beta	pCi/L	2.21	1.57	3.12	Net > 2 σ
Q/C Blank	C-14	pCi/L	61.9	43.4	71	Net > 2 σ
Q/C Blank	Fe-55	pCi/L	10.7	8.09	12	Net > 2 σ
Q/C Blank (MW120)	Co-60	pCi/L	1.5	1.18	2.29	Net > 2 σ
Q/C Blank	Sr-90	pCi/L	0.503	0.382	0.761	Net > 2 σ
Q/C Blank	Tc-99	pCi/L	2.12	1.73	2.86	Net > 2 σ
Q/C Blank	U-235	μ g/L	0.07	-	.01	Net > MDL
Q/C Blank	U-238	μ g/L	0.2	-	.05	Net > MDL
Q/C Blank	U-238	pCi/L	0.19	0.16	0.16	Net > MDC
Q/C Blank (Field)	Am-241- γ	pCi/L	13.7	12.4	20.4	Net > 2 σ
Q/C Blank (MW120)	Am-241- γ	pCi/L	6.92	6.43	10.8	Net > 2 σ
Q/C Blank	Boron	μ g/L	15	-	4	Net > MDL
Q/C Blank	Boron	μ g/L	15	-	4	Net > MDL
Q/C Blank	Boron	μ g/L	15	-	4	Net > MDL
Q/C Blank	Boron	μ g/L	15	-	4	Net > MDL
Q/C Blank	Boron	μ g/L	15	-	4	Net > MDL
Q/C Blank	Boron	μ g/L	15	-	4	Net > MDL
Q/C Blank	Boron	μ g/L	15	-	4	Net > MDL
Q/C Blank	Boron	μ g/L	4.21	-	4	Net > MDL
Q/C Blank (MW118)	Boron	μ g/L	11.9	-	4	Net > MDL
Q/C Blank (Field)	Boron	μ g/L	4.58	-	4	Net > MDL
Q/C Blank (MW121)	Boron	μ g/L	15	-	4	Net > MDL
Q/C Blank (MW120)	Boron	μ g/L	4.98	-	4	Net > MDL
Q/C Blank	Total U	μ g/L	0.112	0.014	0.0865	Net > MDL
Q/C Blank	Total U	μ g/L	0.139	0.0304	0.324	Net > 2 σ
Q/C Blank	Total U	μ g/L	0.0954	0.0135	0.324	Net > 2 σ
Q/C Blank (Field)	Total U	μ g/L	6.31	0.137	0.324	Net > MDL
Q/C Blank	Total U (ICPMS)	μ g/L	0.2	-	0.05	Net > MDL

Table 5-16: Case Narrative Summary for 3rd Quarter 2005

Analyte	Quality Issue Identified	Resolution/Comments
Gross α/β	High hygroscopic salt content causes sample mass to fluctuate with moisture content	Salts converted to oxide by flaming planchet, volatile radionuclides lost (H, C, Tc, Cs)
Gross α/β	MS and MSD failed recovery (%R) criteria	Sample matrix/solids effects, results reported, NCR generated
Gross α/β	Low/high recovery observed	Samples were re-prepped and recounted.
H-3	Low/high recovery observed	Samples were re-prepped and recounted.
H-3	Relative percent difference failed criteria	Relative Error Ratio acceptable at 2.16, reported results
H-3	Analysis sensitivity not met (MDC>RDL)	Samples recounted and reported
Fe-55	Analysis sensitivity not met (MDC>RDL)	Samples recounted and reported
Fe-55	Analysis sensitivity not met (MDC>RDL)	Sample recounted for 120-min, result reported, NCR issued
γ -isotopic	Analyte qualifier updated to UI for Mn-54, Co-60, Cs-134, Pb-212	Data rejected due to low abundance/intensity
Am α -isotopic	Negative result for Am-241 greater than 3 times the counting uncertainty	Sample was recounted and reported
Total U	Concentration greater than RDL.	Samples reanalyzed for confirmation
Total U	Sample was post-spiked to investigate quenching effect	Reported initial results
ICP-MS	Boron sample results outside linear calibration range	Sample diluted to level within range and reanalyzed
ICP-MS	Boron MS recovery (%R) outside acceptance criteria	NCR issued

Table 5-17: Case Narrative Summary for 4th Quarter 2005

Analyte	Quality Issue Identified	Resolution/Comments
Gross α/β	High hygroscopic salt content causes sample mass to fluctuate with moisture content	Salts converted to oxide by flaming planchet. Volatile radionuclides may be lost (H, C, Tc, Cs)
Gross α/β	Sample not scanned into batch, custody retained	NCR issued, analyst trained.
Gross α/β	Analysis sensitivity not met (MDC>RDL).	Recounted sample for extended time.
Gross α/β	Suspected false positive results	Recounted sample
H-3	Invalid background counted with samples	Recounted samples with valid background
H-3	Low/high recovery observed	Samples were re-prepped and recounted
H-3	Analysis sensitivity not met (MDC>RDL)	Samples recounted and reported
Ni-63	Negative result greater than 3 times the counting uncertainty	Recounted sample
Sr-90	Analysis sensitivity not met (MDC>RDL)	Samples and MB recounted for 500-min and reported
Sr-90	Concentration > 2- σ TPU	Y-90 verification count performed after 5-days
Sr-90	Low/high recovery observed	Samples were recounted
γ -isotopic	Low/high recovery observed	Samples were recounted
γ -isotopic	Analyte qualifier updated for Co-60, Nb-94, Eu-154	Data rejected due to low abundance/intensity
γ -isotopic	Relative percent difference failed criteria	Relative Error Ratio acceptable, reported results
Am-241	Sample exhibited poor resolution	Recounted sample
α -isotopic		
U-238	Method Blank (MB) > MDC	MB less than RDL & 3- σ TPU, reported results
α -isotopic		
Pu-241	Sample did not meet required analysis sensitivity (MDC>RDL)	Recounted samples. Recounts reported as is due to limited sample volume. NCR issued.
Pu-241	Invalid background counted with samples	Recounted samples with valid background
Pu-241	Negative result greater than 3 times the counting uncertainty	Recounted sample
Pu-241	Suspected false positive results	Recounted sample
Total U	Concentration > RDL	Sample was recounted to confirm
Total U	Sample post-spiked to investigate quenching effect	Reported initial results
Total U	Recovery (%R) for MS failed criteria, but MSD ok.	Relative Error Ratio acceptable, reported results. NCR issued
Total U	Recovery (%R) for LCS failed criteria.	LCS was reanalyzed twice and reported
Total U	Sample post-spiked to investigate quenching effect	Reported second set of results
ICP-MS U	Results outside linear calibration range	Sample diluted to level within range and reanalyzed

Table 5-18: Case Narrative Summary for Multilevel Well Samples

Analyte	Quality Issue Identified	Resolution/Comments
Gross α/β	High hygroscopic salt content causes sample mass to fluctuate with moisture content	Salts converted to oxide by flaming planchet. Volatile radionuclides may be lost (H, C, Tc, Cs)
Gross α/β	High relative percent difference/relative error ratio	Sample was recounted and reported
Gross α/β	Low/high recovery observed	Sample was recounted and reported
Gross α/β	MS Recovery (%R) failed criteria	Attributed to matrix effect, reported results
H-3	Invalid background counted with samples	Recounted samples with valid background
H-3	Low/high recovery observed	Samples were re-prepped and recounted
Sr-90	Sample did not meet required analysis sensitivity (MDC>RDL)	Recounted samples
Sr-90	Low/high recovery observed for LCS	LCS was recounted and reported
Sr-90	Concentration > 2- σ TPU	Verification count performed, 2 nd count reported
γ -isotopic	Analyte qualifier (UI) assigned	Data rejected due to low abundance

Table 5-19: Summary Statistics for 3rd Quarter 2005

Nuclide	Analysis Method	# of Samples	Minimum Conc. (pCi/L)	Maximum Conc. (pCi/L)	Mean Conc. (pCi/L)	Sdev Conc. (pCi/L)	Median Conc. (pCi/L)	DCGL Conc. (pCi/L)	EPA MCL (pCi/L)	Results > MDC	Results > DCGL	Results > MCL
Gross α	GPC	42	-0.45	32.20	3.24	5.54	1.07	-	15	14	-	1
Gross β	GPC	42	-0.22	37.10	10.11	7.96	7.17	-	50	38	-	0
H-3	LSC	35	-97	7170	982	1764	150	26080	20000	13	0	0
C-14	LSC	13	-24.50	25.70	-4.36	15.14	-9.46	360.4	2000	0	0	0
Mn-54	Gamma	42	-2.15	3.26	0.297	1.06	0.149	968	300	0	0	0
Fe-55	LSC	13	-15.3	13.2	1.2	6.9	2.0	2616	2000	0	0	0
Co-60	Gamma	42	-2.66	2.97	0.33	1.28	0.39	45.6	100	0	0	0
Ni-63	LSC	13	-2.07	3.84	-0.09	1.55	-0.15	1260	50	0	0	0
Sr-90	GPC	34	-0.54	16.20	1.20	2.69	0.61	10.04	8	6	1	1
Nb-94	Gamma	42	-1.78	2.80	0.07	1.00	-0.02	270	-	0	0	0
Tc-99	LSC	13	-5.08	2.70	-0.37	2.23	-0.63	1056	900	0	0	0
Ag-108m	Gamma	42	-2.98	2.46	-0.14	1.10	-0.09	169.6	-	0	0	0
Cs-134	Gamma	42	-2.54	3.54	0.59	1.12	0.44	13.68	20000	0	0	0
Cs-137	Gamma	42	-1.78	3.51	0.26	1.08	0.09	17.24	200	0	0	0
Eu-152	Gamma	42	-7.21	6.06	0.38	2.42	0.44	293.2	60	0	0	0
Eu-154	Gamma	42	-7.61	7.25	-0.06	3.28	0.11	202	200	0	0	0
Eu-155	Gamma	42	-5.95	9.22	0.55	3.25	0.32	1300	600	0	0	0
Pu-238	Alpha	13	-0.047	0.038	-0.003	0.025	0.000	0.604	15	0	0	0
Pu-239,40	Alpha	13	-0.060	0.049	-0.014	0.031	-0.017	0.544	15	0	0	0
Pu-241	LSC	13	-7.75	1.87	-1.81	2.59	-1.75	28.4	-	0	0	0
Am-241	Gamma	42	-19.8	18.4	-1.6	7.4	-0.9	0.528	15	1	-	-
Am-241	Alpha	13	-0.034	0.025	0.000	0.018	-0.002	0.528	15	0	0	0
Cm-242	Alpha	13	-0.052	0.016	-0.008	0.019	-0.006	-	15	0	-	0
Cm-243,44	Alpha	13	-0.036	0.023	-0.001	0.016	0.001	0.776	15	0	0	0
Totals		703								72	1	2

Table 5-20: Summary Statistics for 4th Quarter 2005

Nuclide	Analysis Method	# of Samples	Minimum Conc. (pCi/L)	Maximum Conc. (pCi/L)	Mean Conc. (pCi/L)	Sdev Conc. (pCi/L)	Median Conc. (pCi/L)	DCGL Conc. (pCi/L)	EPA MCL (pCi/L)	Results > MDC	Results > DCGL	Results > MCL
Gross α	GPC	62	-0.665	458.0	23.1	75.0	4.55	-	15	33	-	13
Gross β	GPC	62	0.186	223.0	19.4	36.6	10.6	-	50	52	-	3
H-3	LSC	61	-196.00	16000	2365	3558	548.5	26080	20000	35	0	0
C-14	LSC	30	-20.0	107.	26.8	24.9	21.2	360.4	2000	0	0	0
Mn-54	Gamma	62	-2.48	2.19	-0.24	0.93	-0.33	968	300	0	0	0
Fe-55	LSC	30	-23.2	17.5	-1.23	7.42	-0.86	2616	2000	1	0	0
Co-60	Gamma	62	-2.34	3.27	0.26	1.13	0.23	45.6	100	0	0	0
Ni-63	LSC	30	-7.05	4.93	-0.13	2.82	0.33	1260	50	0	0	0
Sr-90	GPC	61	-0.64	5.19	0.52	0.86	0.20	10.04	8	12	0	0
Nb-94	Gamma	62	-2.78	2.92	0.014	0.89	-0.06	270	-	0	0	0
Tc-99	LSC	30	-2.41	10.3	2.05	2.67	1.51	1056	900	2	0	0
Ag-108m	Gamma	62	-2.12	1.96	-0.064	0.96	0.06	169.6	-	0	0	0
Cs-134	Gamma	62	-1.90	2.85	0.60	1.04	0.52	13.68	20000	0	0	0
Cs-137	Gamma	62	-2.91	16.70	0.82	2.72	0.36	17.24	200	3	0	0
Eu-152	Gamma	62	-6.77	11.00	0.44	3.14	0.41	293.2	60	0	0	0
Eu-154	Gamma	62	-8.81	6.74	0.22	3.00	0.16	202	200	0	0	0
Eu-155	Gamma	62	-14.2	11.80	0.21	4.16	0.11	1300	600	0	0	0
U-234	Alpha	10	15.5	255.0	70.2	86.3	24.1	-	15	10	-	10
U-235	Alpha	10	0.88	20.3	4.81	6.66	1.37	-	15	10	-	1
U-238	Alpha	10	16.3	258.0	66.8	84.9	21.6	-	15	10	-	10
Pu-238	Alpha	30	-0.0560	0.0920	0.0032	0.030	0.000	0.604	15	0	0	0
Pu-239,40	Alpha	30	-0.0300	0.0300	-0.0072	0.015	0.030	0.544	15	0	0	0
Pu-241	LSC	30	-10.400	3.910	-1.2609	3.367	-0.213	28.4	-	0	0	0
Am-241	Gamma	62	-36.0000	16.0000	-1.5008	8.008	-0.134	0.528	15	0	-	-
Am-241	Alpha	30	-0.0410	0.0650	0.0019	0.021	-0.003	0.528	15	0	0	0
Cm-242	Alpha	30	-0.0050	0.0290	0.0083	0.010	0.008	-	15	0	0	0
Cm-243,44	Alpha	30	-0.0370	0.0550	0.0006	0.018	0.000	0.776	15	0	0	0
Totals		1166								138	0	16

Table 5-21: Limiting Mean Distribution Summary for 3rd Quarter 2005

Nuclide	Analysis Method	Bias Type	Limiting Mean (pCi/L)	Limiting Sdev. (pCi/L)	# of Results (n)	Calculated T-value	Critical T-value (1)	Filliben's r-statistic	Critical r-statistic	Distribution
Gross α	GPC	Positive	0.6539	0.5768	33	6.512	3.512	0.967	0.967	Normal
Gross β	GPC	Positive	4.280	1.950	21	10.057	3.721	0.92	0.952	Non-normal
H-3	LSC	-	55.99	80.98	22	3.243	3.693	0.98	0.954	Normal
C-14	LSC	-	-4.36	15.14	17	-1.187	3.872	0.968	0.942	Normal
Mn-54	Gamma	-	0.2971	1.0578	48	1.946	3.408	0.979	0.975	Normal
Fe-55	LSC	-	1.2136	6.9373	16	0.700	3.925	0.953	0.94	Normal
Co-60	Gamma	-	0.3272	1.2764	48	1.776	3.408	0.997	0.975	Normal
Ni-63	LSC	-	-0.087	1.547	17	-0.232	3.872	0.964	0.942	Normal
Sr-90	GPC	-	0.3484	0.5081	27	3.563	3.590	0.988	0.96	Normal
Nb-94	Gamma	-	0.0716	1.0041	48	0.494	3.408	0.986	0.975	Normal
Tc-99	LSC	-	-0.371	2.230	17	-0.687	3.872	0.985	0.942	Normal
Ag-108m	Gamma	-	-0.1374	1.1049	48	-0.862	3.408	0.995	0.975	Normal
Cs-134	Gamma	Positive	0.5884	1.1202	48	3.639	3.408	0.982	0.975	Normal
Cs-137	Gamma	-	0.2558	1.0820	48	1.638	3.408	0.977	0.975	Normal
Eu-152	Gamma	-	0.3802	2.4197	48	1.089	3.408	0.974	0.975	Non-normal
Eu-154	Gamma	-	-0.0553	3.2794	48	-0.117	3.408	0.995	0.975	Normal
Eu-155	Gamma	-	0.5471	3.2450	48	1.168	3.408	0.987	0.975	Normal
Pu-238	Alpha	-	-0.0025	0.0248	17	-0.416	3.872	0.983	0.942	Normal
Pu-239,40	Alpha	-	-0.0135	0.0313	17	-1.778	3.872	0.968	0.942	Normal
Pu-241	LSC	-	-1.814	2.595	17	-2.883	3.872	0.967	0.942	Normal
Am-241	Alpha	Negative	-3.0410	5.7539	44	-3.506	3.428	0.943	0.974	Non-normal
Am-241	Gamma	-	0.000	0.018	17	0.045	3.872	0.972	0.942	Normal
Cm-242	Alpha	-	-0.0079	0.0187	17	-1.742	3.872	0.969	0.942	Normal
Cm-243	Alpha	-	-0.0006	0.0158	17	-0.157	3.872	0.983	0.942	Normal

Notes:

¹Student t-statistic at the 99% Confidence Interval for n-1 degrees of freedom

²Filliben's r-statistic at the 95% Confidence Interval for n degrees of freedom

Table 5-22: Limiting Mean Distribution Summary for 4th Quarter 2005

Nuclide	Analysis Method	Bias Type	Limiting Mean (pCi/L)	Limiting Sdev. (pCi/L)	# of Results (n)	Calculated T-value	Critical T-value (3)	Filliben's r-statistic	Critical r-statistic	Distribution
Gross α	GPC	-	0.278	0.665	28	2.213	3.574	0.969	0.962	Normal
Gross β	GPC	Positive	1.879	1.086	11	5.737	4.393	0.914	0.922	-
H-3	LSC	-	86.65	136.36	26	3.240	3.607	0.974	0.959	Normal
C-14	LSC	Positive	24.598	21.162	35	6.877	3.492	0.991	0.968	Normal
Mn-54	Gamma	-	-0.239	0.933	71	-2.158	3.339	0.992	0.983	Normal
Fe-55	LSC	-	-0.180	4.420	33	-0.234	3.512	0.987	0.967	Normal
Co-60	Gamma	-	0.260	1.130	71	1.935	3.339	0.992	0.983	Normal
Ni-63	LSC	-	-0.135	2.815	37	-0.291	3.475	0.977	0.969	Normal
Sr-90	GPC	Positive	0.126	0.220	48	3.960	3.408	0.977	0.975	Normal
Nb-94	Gamma	-	-0.084	0.619	66	-1.107	3.350	0.995	0.982	Normal
Tc-99	LSC	Positive	1.651	2.101	36	4.716	3.483	0.974	0.968	Normal
Ag-108m	Gamma	-	-0.064	0.963	71	-0.562	3.339	0.994	0.983	Normal
Cs-134	Gamma	Positive	0.597	1.035	71	4.858	3.339	0.988	0.983	Normal
Cs-137	Gamma	-	0.185	0.952	64	1.557	3.355	0.981	0.981	Normal
Eu-152	Gamma	-	0.286	2.891	70	0.826	3.341	0.989	0.983	Normal
Eu-154	Gamma	-	0.218	3.002	71	0.612	3.339	0.992	0.983	Normal
Eu-155	Gamma	-	-0.150	3.087	66	-0.395	3.350	0.989	0.982	Normal
Pu-238	Alpha	-	0.001	0.026	35	0.160	3.492	0.972	0.968	Normal
Pu-239,40	Alpha	-	-0.007	0.015	36	-2.805	3.483	0.98	0.968	Normal
Pu-241	LSC	-	-0.555	2.425	34	-1.333	3.502	0.972	0.967	Normal
Am-241	Alpha	-	-1.028	5.399	67	-1.558	3.348	0.99	0.982	Normal
Am-241	Gamma	-	-0.001	0.016	35	-0.444	3.492	0.979	0.968	Normal
Cm-242	Alpha	Positive	0.008	0.010	37	5.259	3.475	0.836	0.969	-
Cm-243	Alpha	-	0.001	0.018	37	0.203	3.475	0.971	0.969	Normal

Notes:

¹Student t-statistic at the 99% Confidence Interval for n-1 degrees of freedom

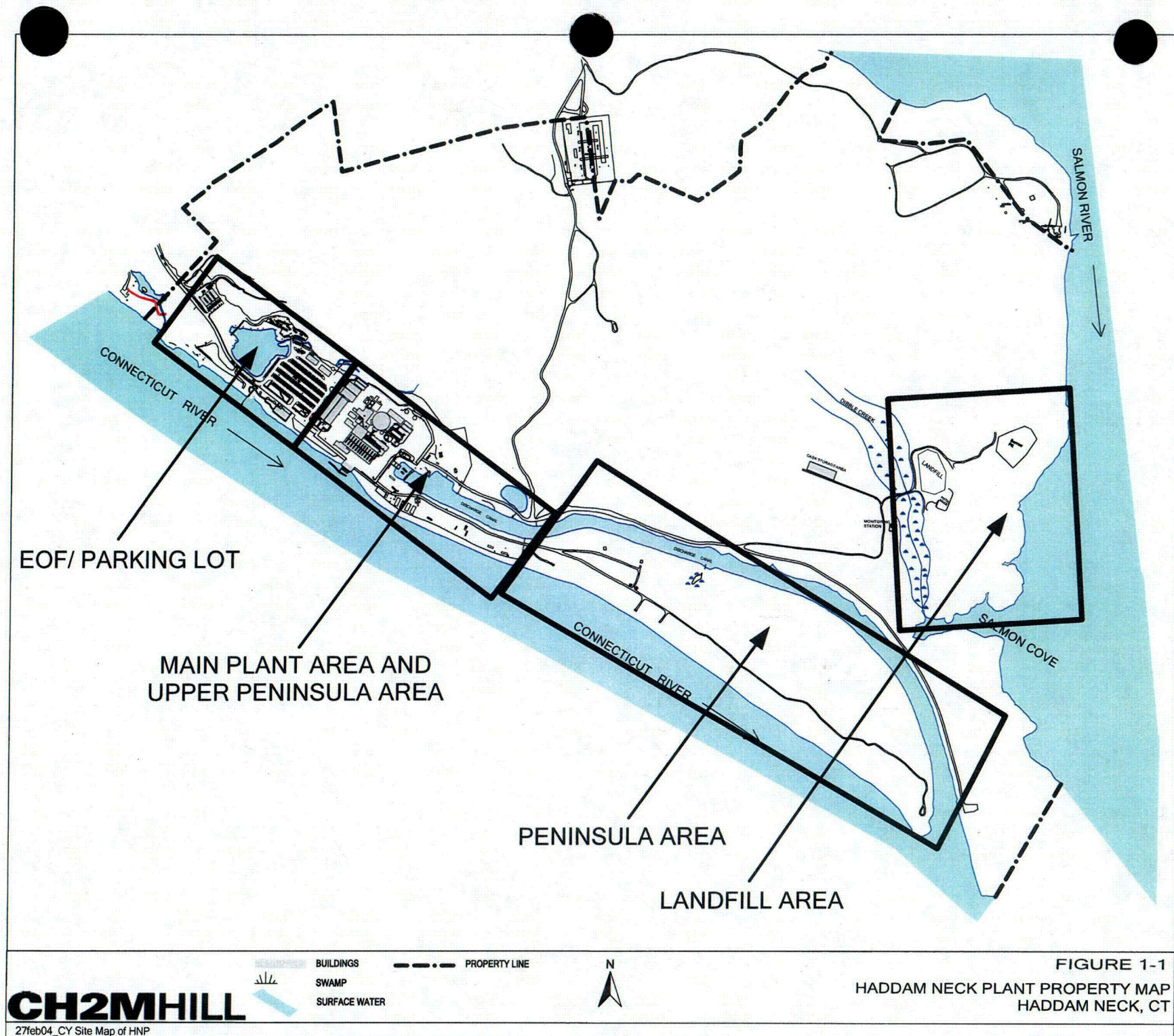
²Filliben's r-statistic at the 95% Confidence Interval for n degrees of freedom

Table 5-23: Observed False-Positive Rates

Analysis Type	Q3 2005	Q4 2005	Average Rate
Gamma Isotopic	5.4 %	3.5 %	4.3 %
Alpha Isotopic	0.0 %	0.0 %	0.0 %
HTD Beta via LSC	0.0 %	8.9 %	6.1 %

Table 5-24: Data Quality Metrics

Parameter	Data Quality Metric
Precision	- Relative Percent Difference (RPD) < 20% or - Absolute Z-Score (AZS) < 3
Accuracy	- Laboratory Control Sample Recovery 100% ± 25 - MDC < Drinking Water Standard
Representativeness	- Qualitative assessment of sample location, sample timing, sample collection method, sample preservation, handling, shipment - Laboratory Blank Analysis Results < MDC
Completeness	Valid measurements for critical samples = 100%
Comparability	- Qualitative assessment of sample collection and measurement methods and assignment of sample locations to hydrostratigraphic units. - Sample MDC < CRDL



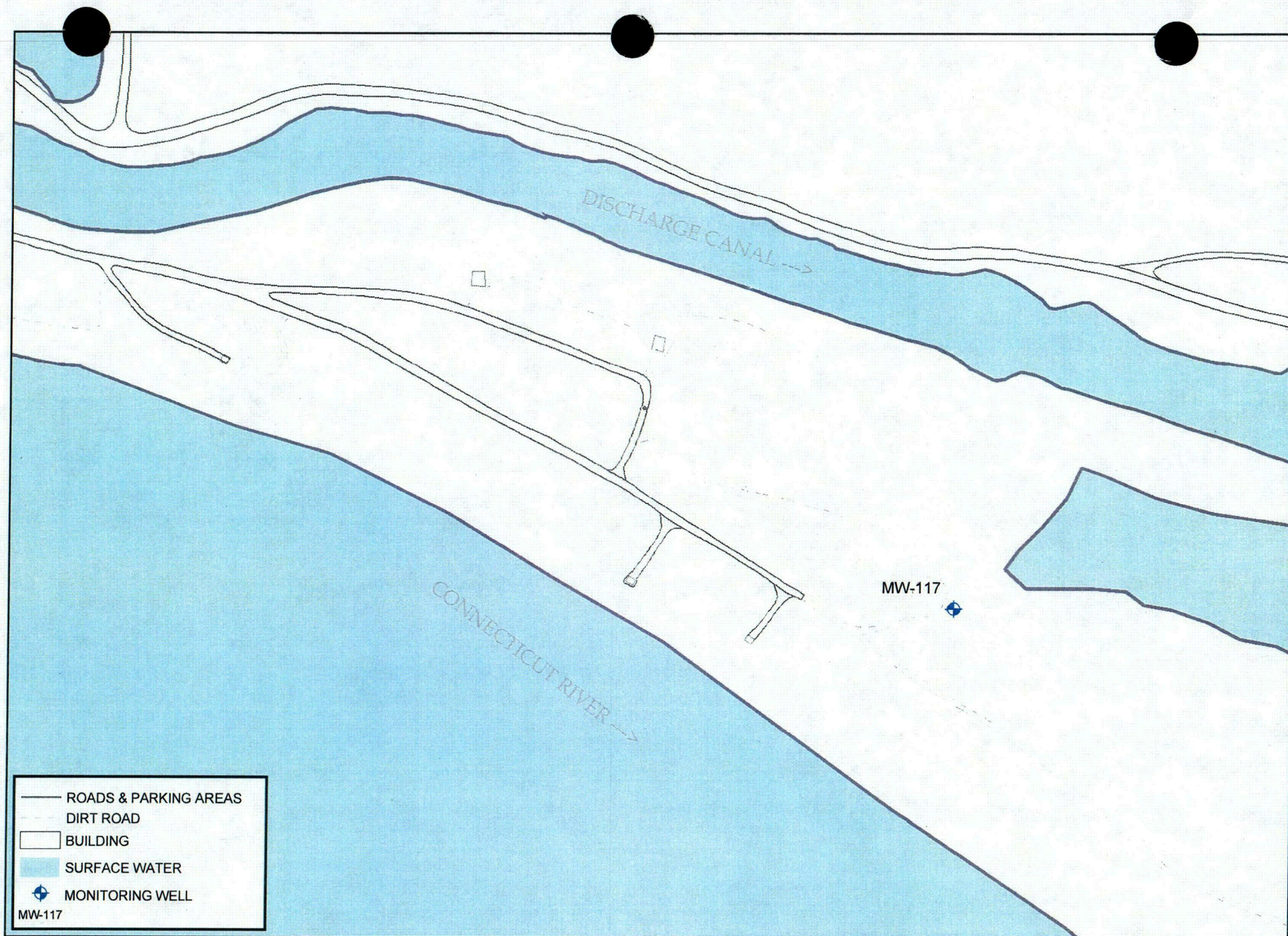
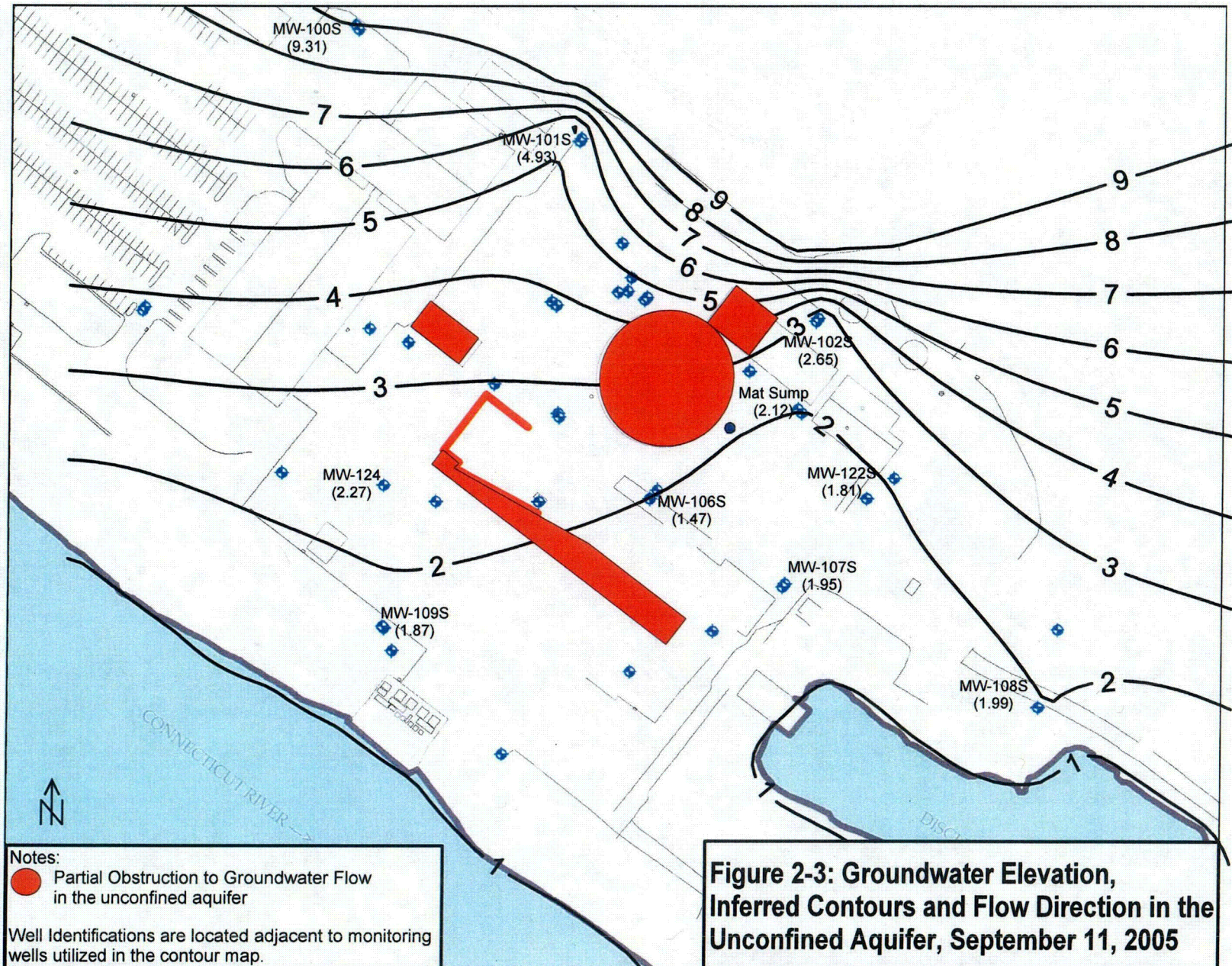
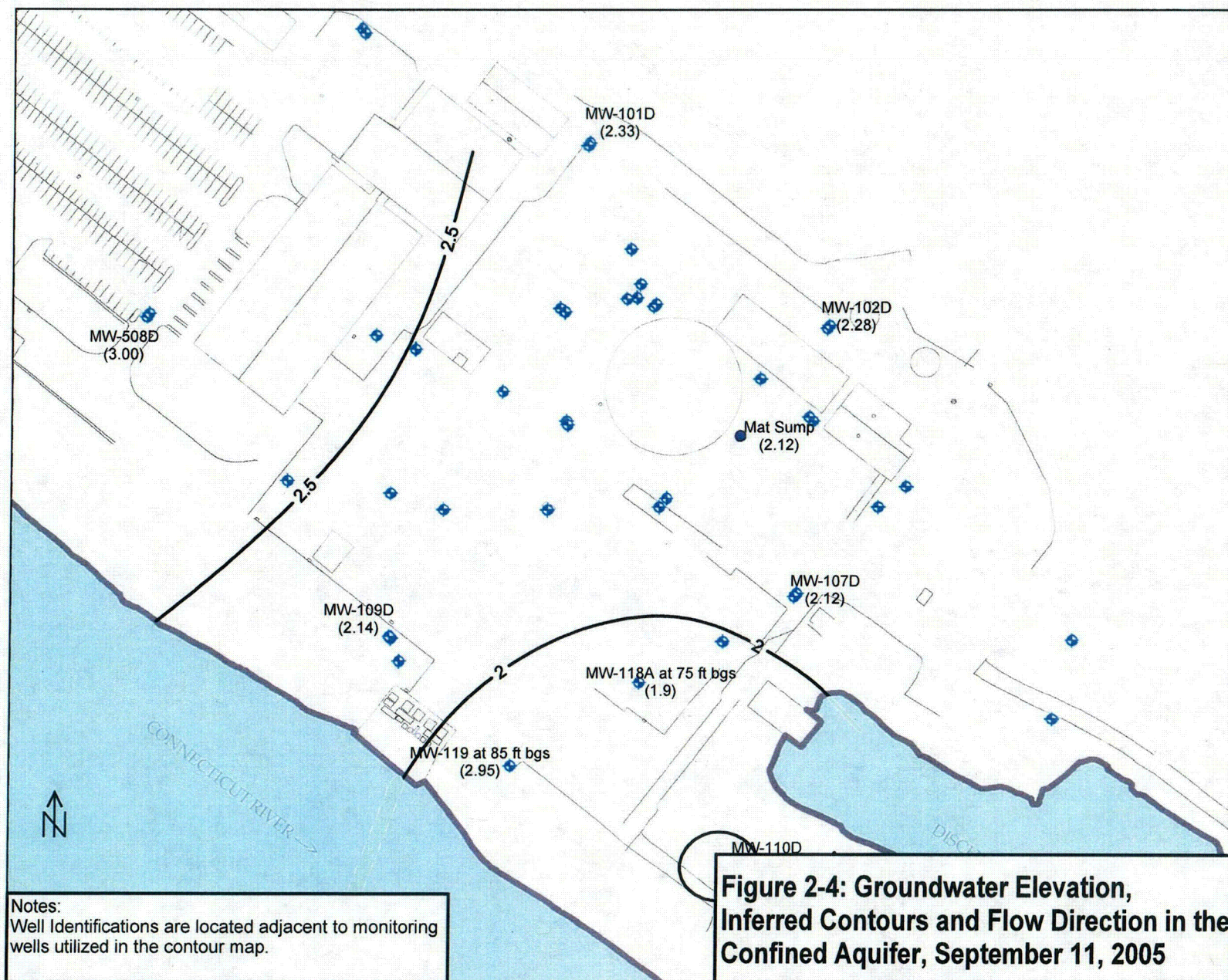
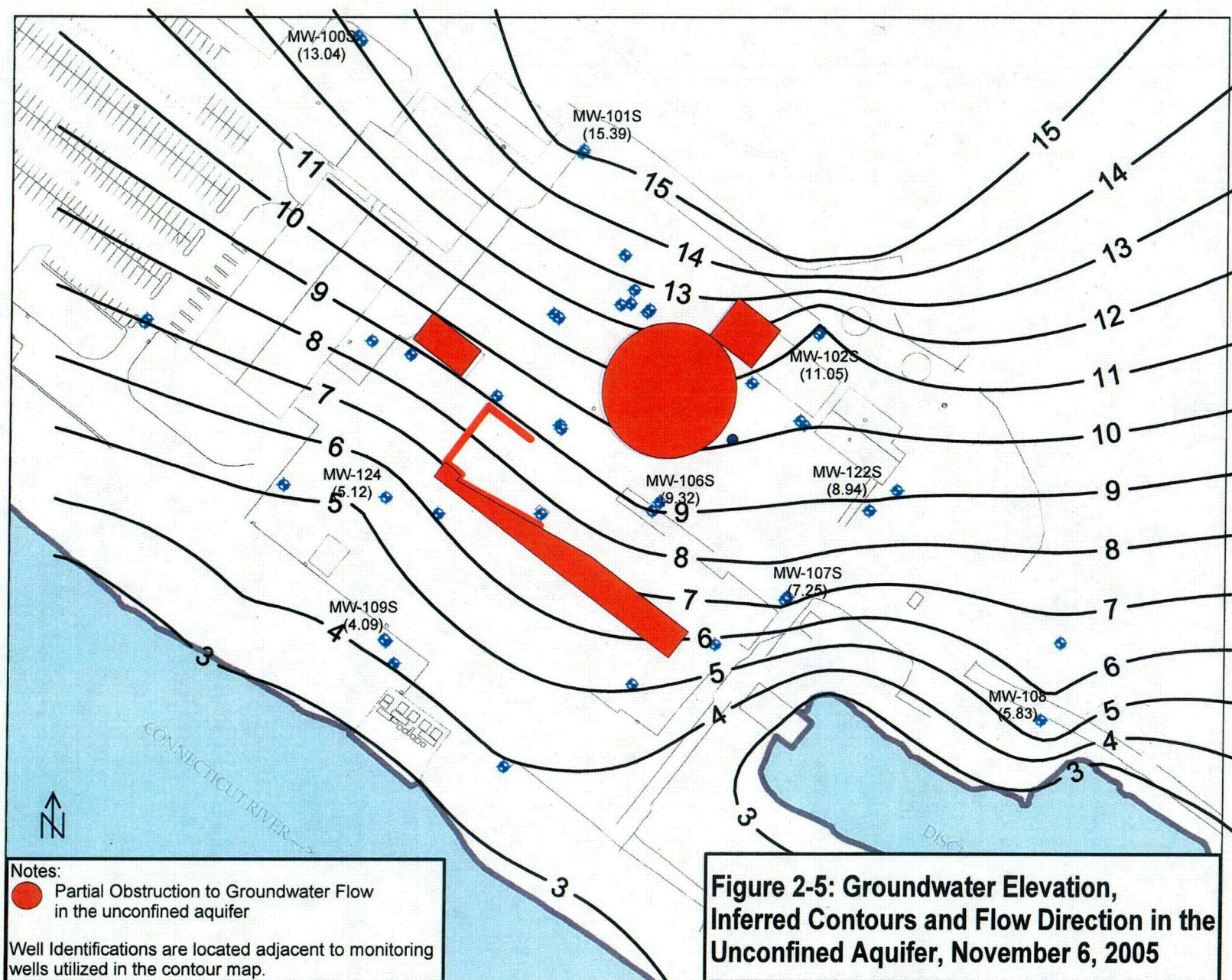


FIGURE 2-2
 GROUNDWATER MONITORING LOCATIONS AT THE LOWER
 PENINSULA AREA OF THE HADDAM NECK PLANT
 HADDAM NECK, CT







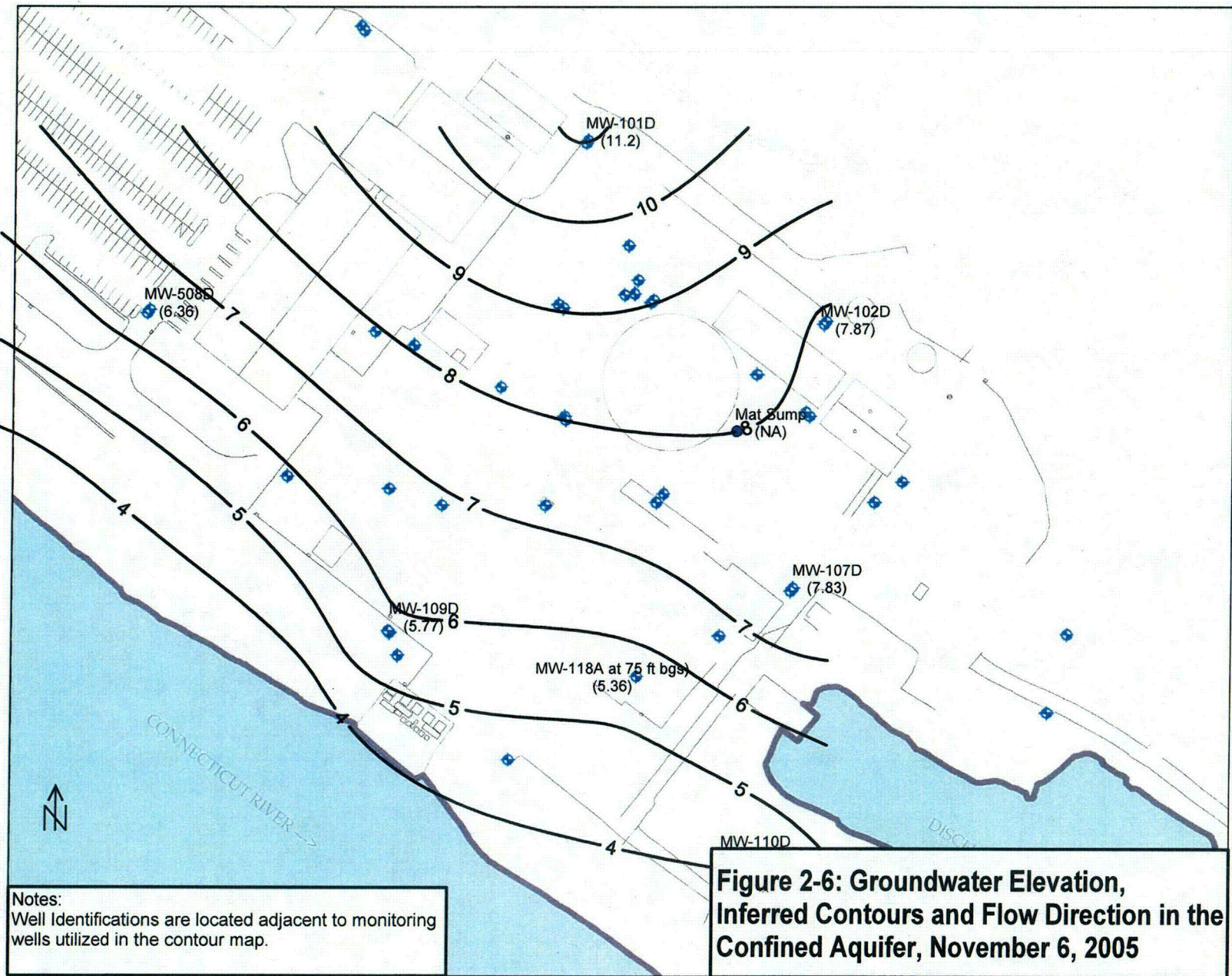


Figure 2-6: Groundwater Elevation, Inferred Contours and Flow Direction in the Confined Aquifer, November 6, 2005

Figure 5-1: Mn-54 Rank Order for September 2005

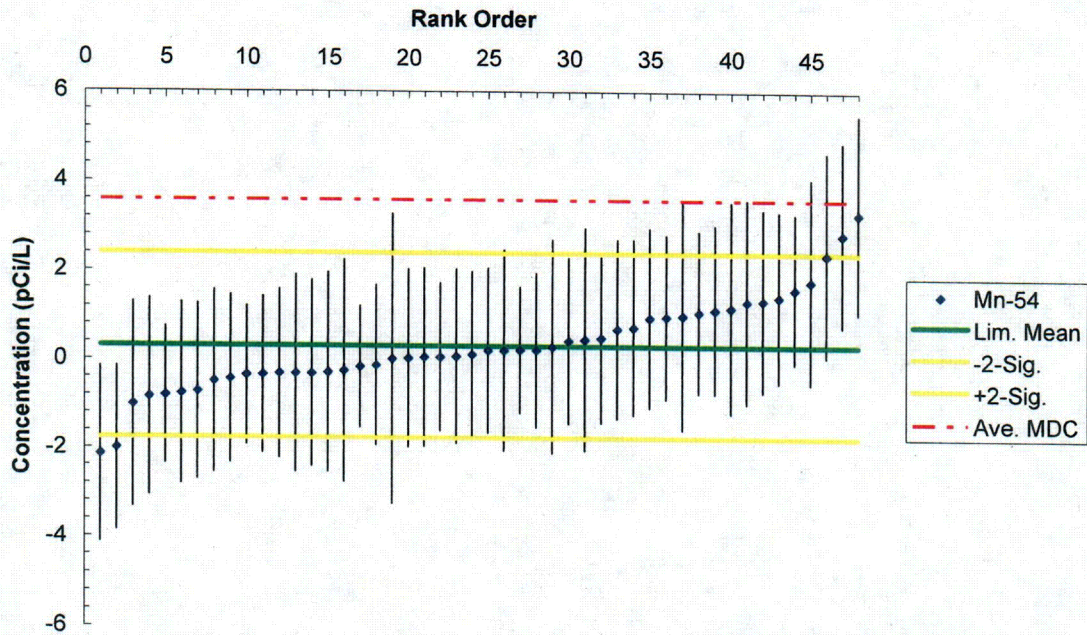


Figure 5-2: Mn-54 Normality Plot for September 2005

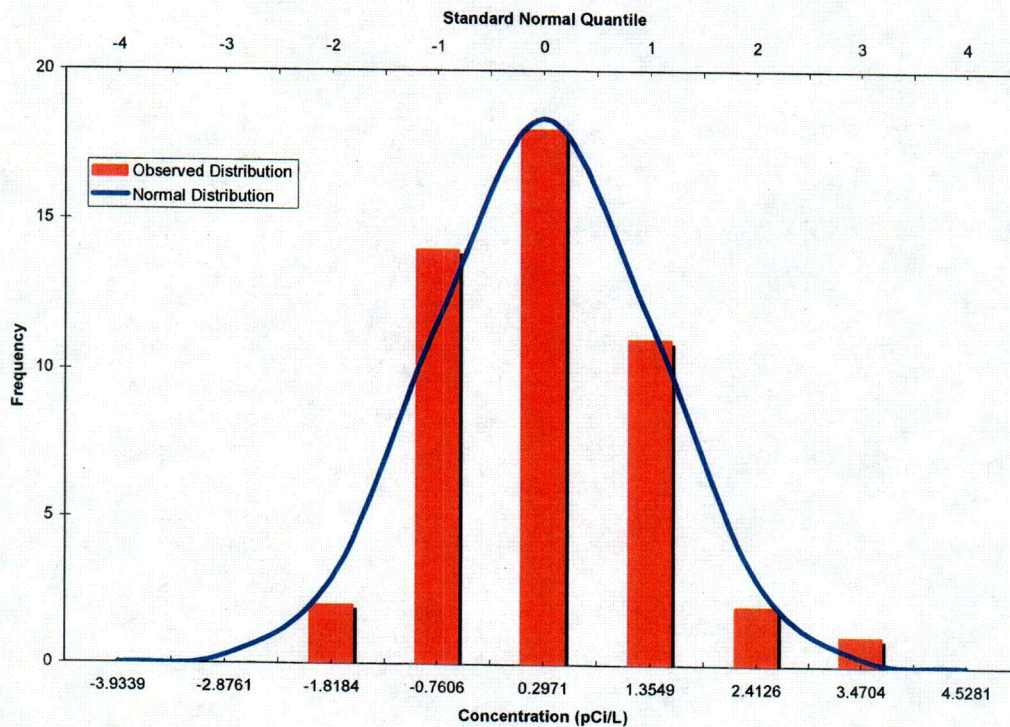


Figure 5-3: Cs-137 Rank Order for September 2005

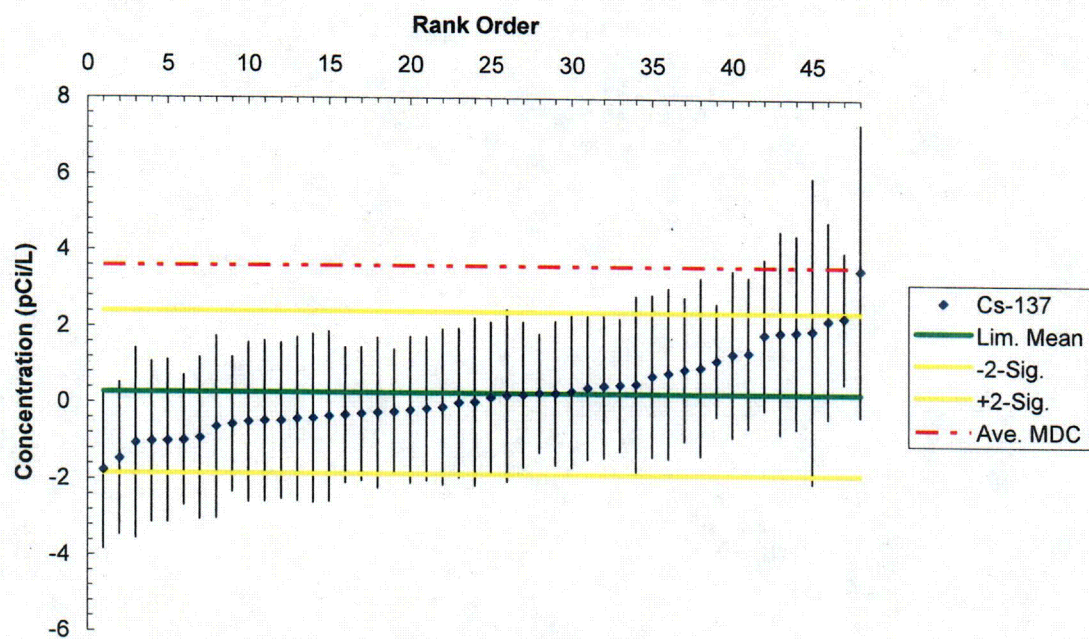


Figure 5-4: Cs-137 Normality Plot for September 2005

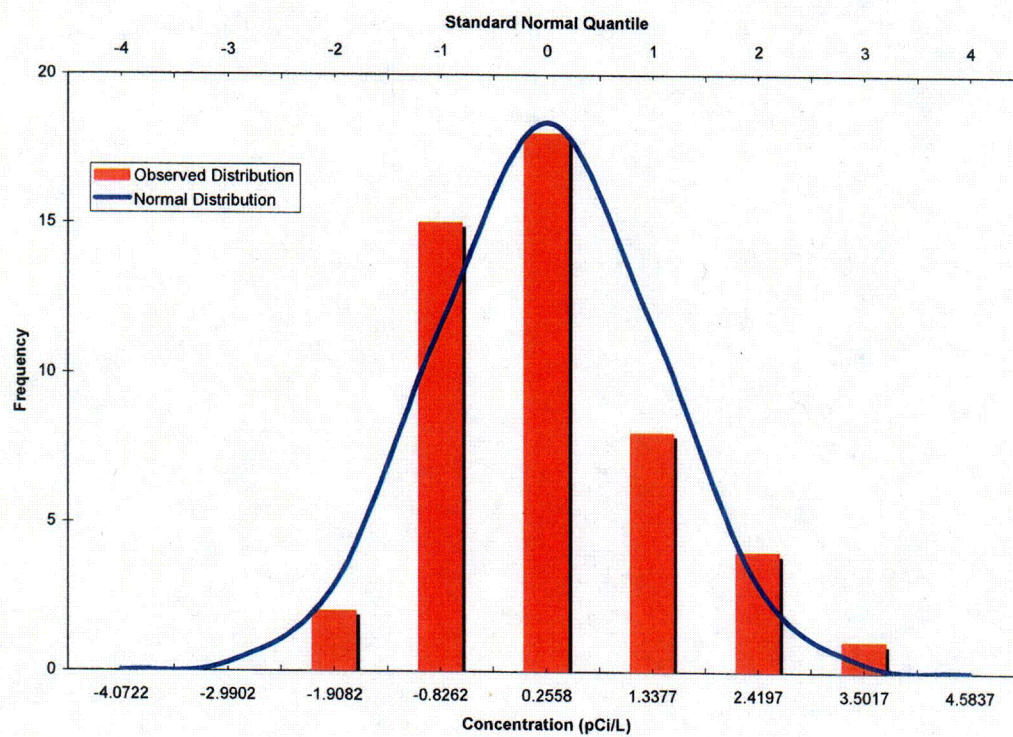


Figure 5-5: Co-60 Rank Order for December 2005

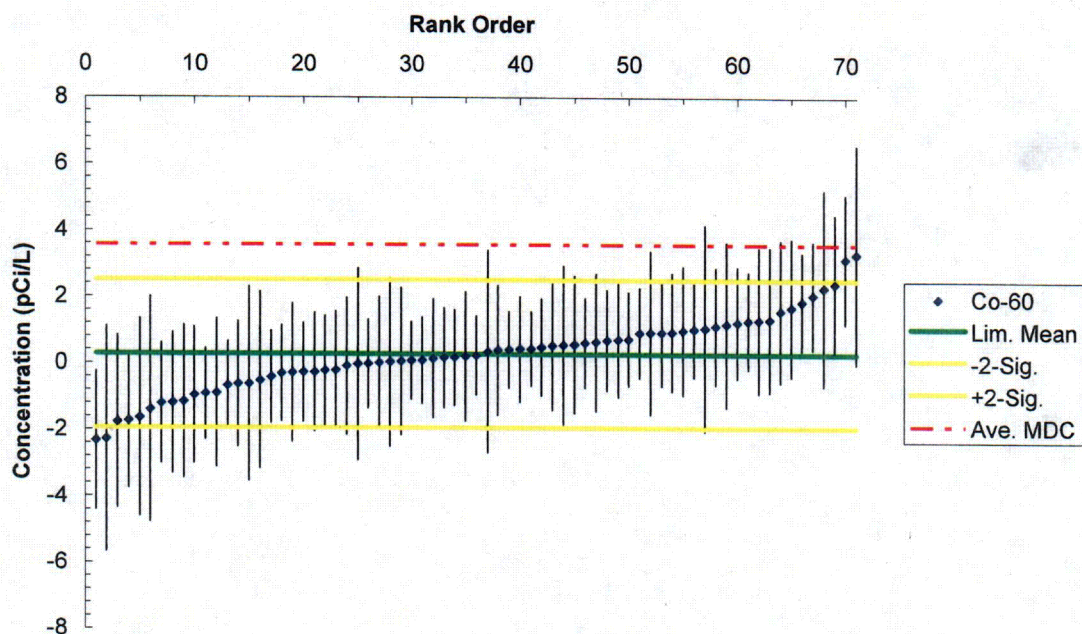


Figure 5-6: Co-60 Normality Plot for December 2005

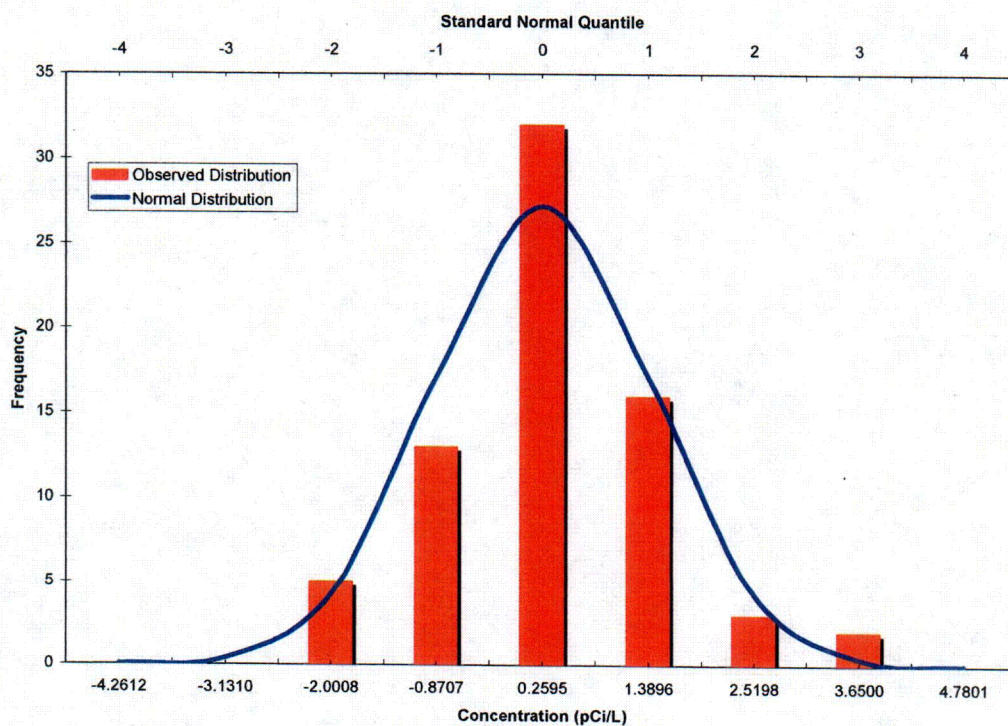


Figure 5-7: C-14 Rank Order for December 2005

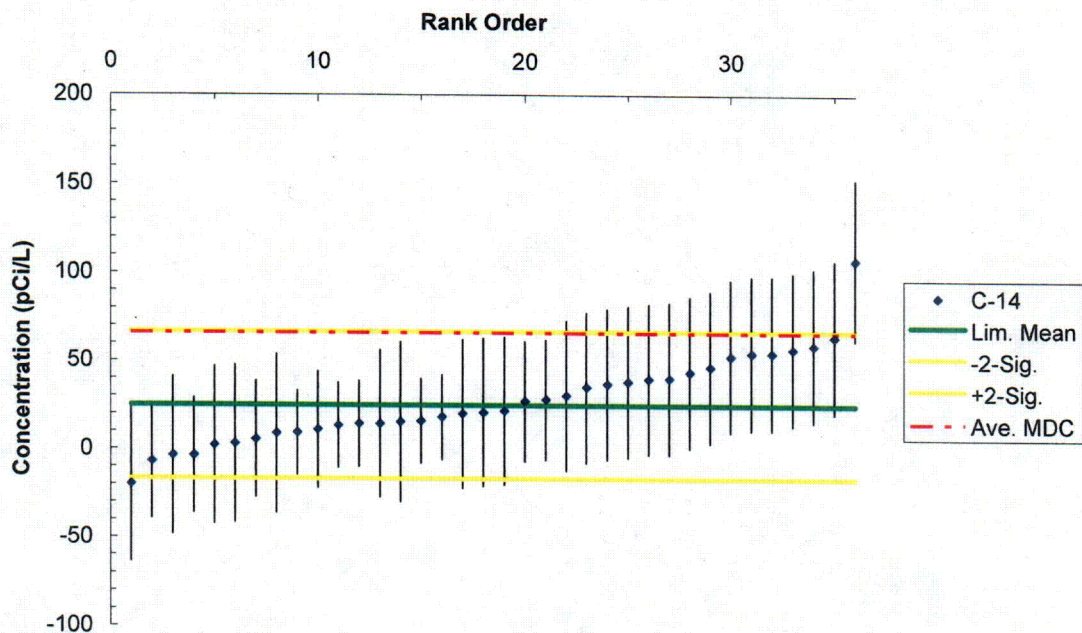


Figure 5-8: C-14 Normality Plot for December 2005

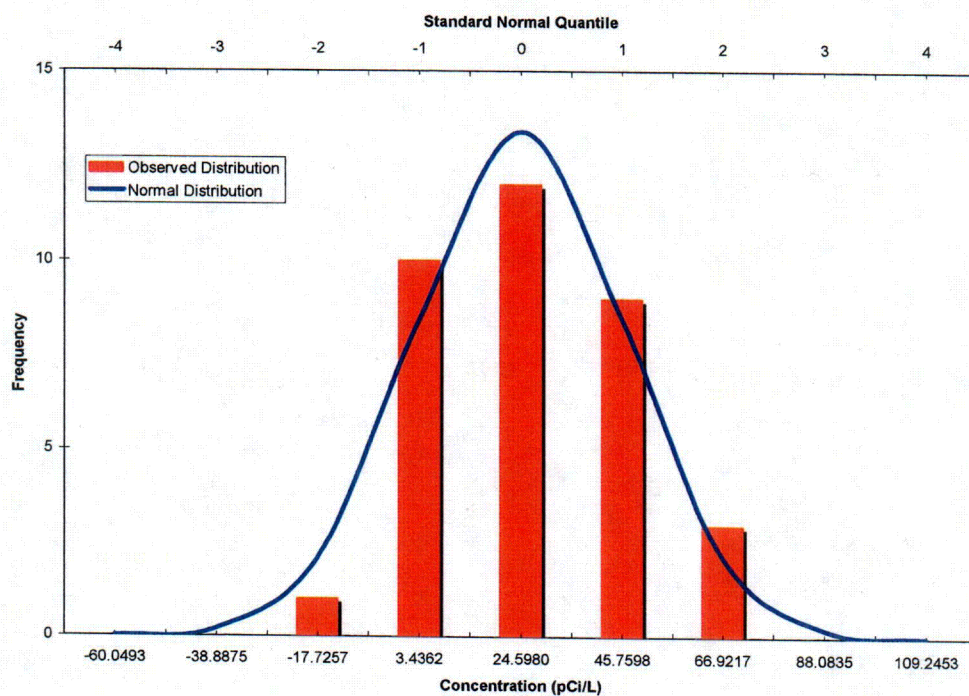


Figure 5-9: Tc-99 Rank Order for December 2005

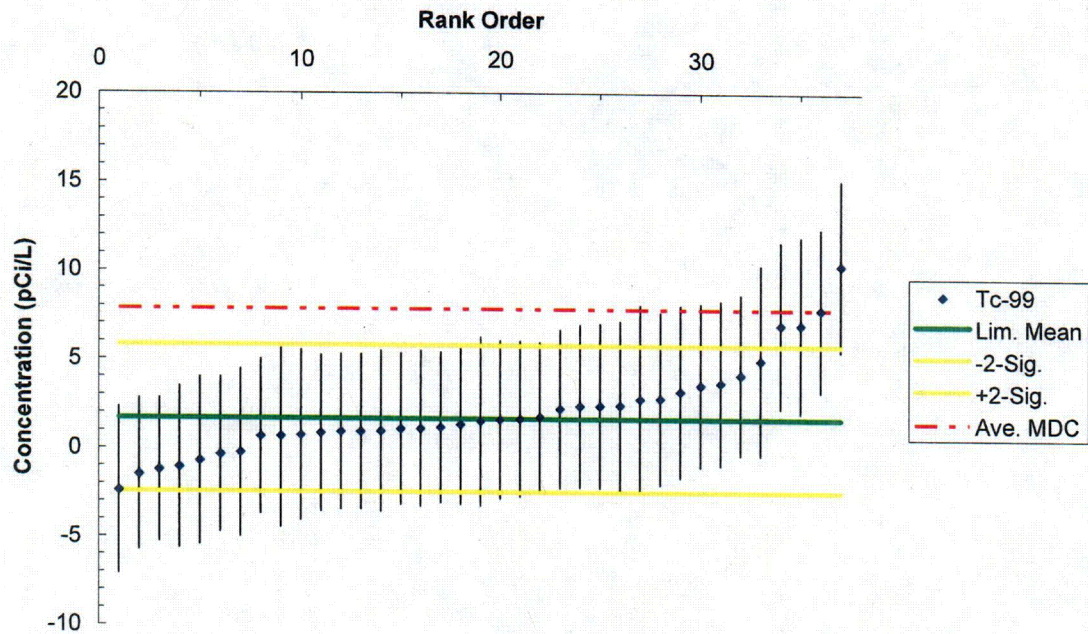


Figure 5-10: Tc-99 Normality Plot for December 2005

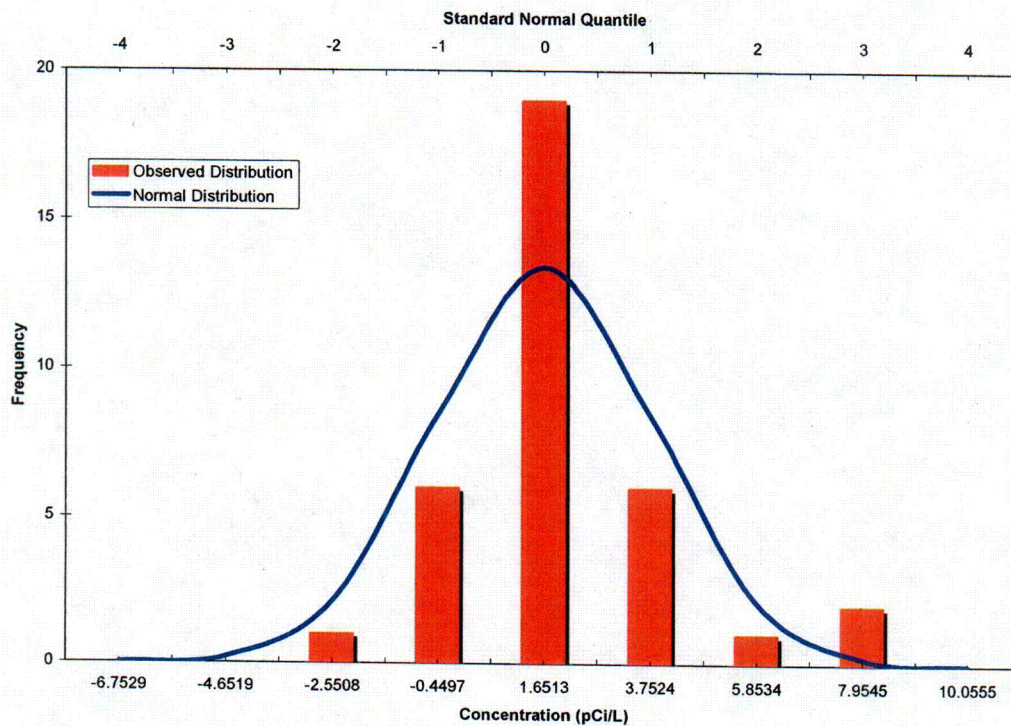


Figure 5-11: Sr-90 Rank Order for September 2005

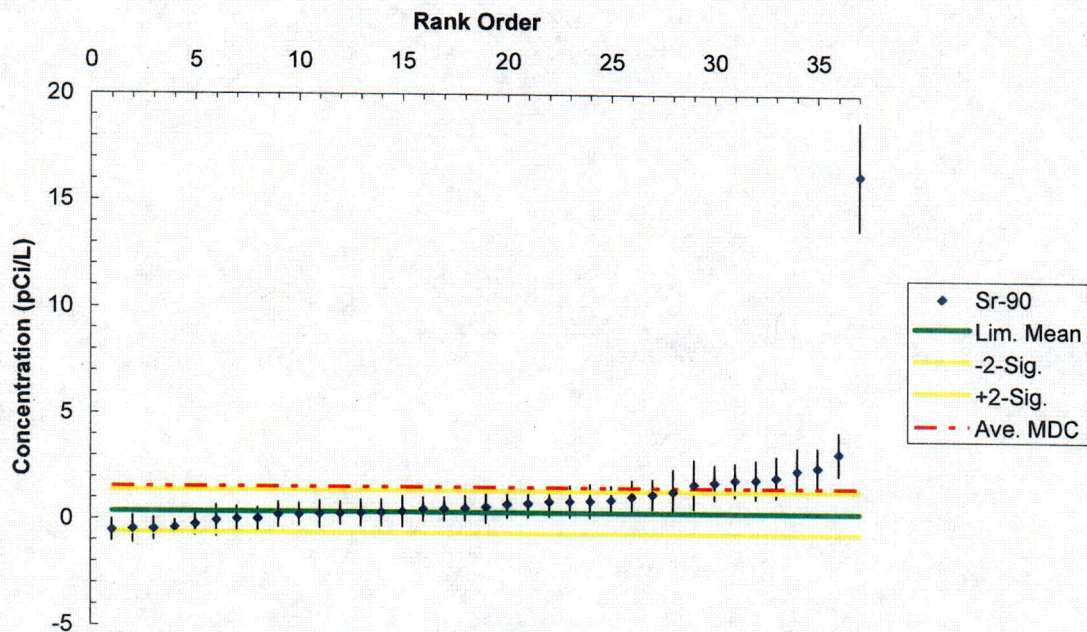


Figure 5-12: Sr-90 Normality Plot for September 2005

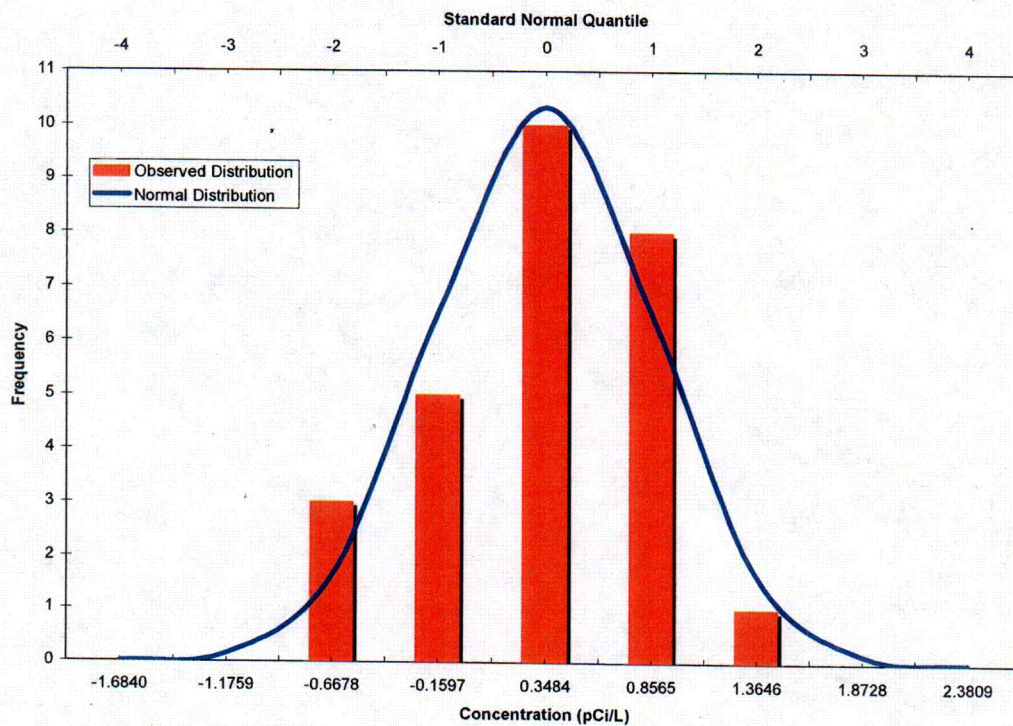


Figure 5-13: Cm-242 Rank Order for December 2005

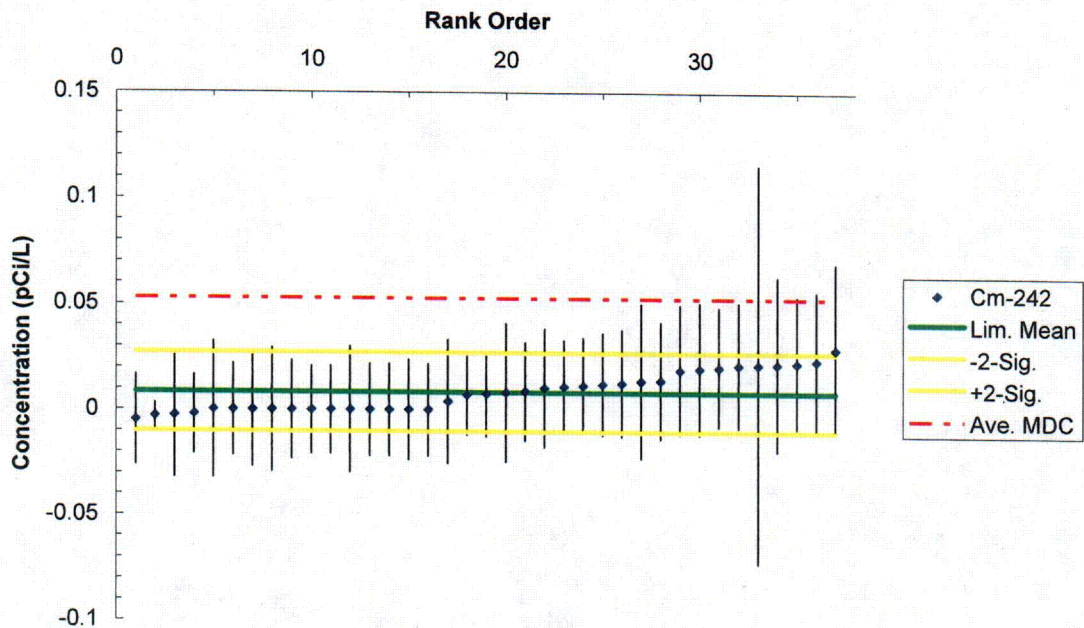
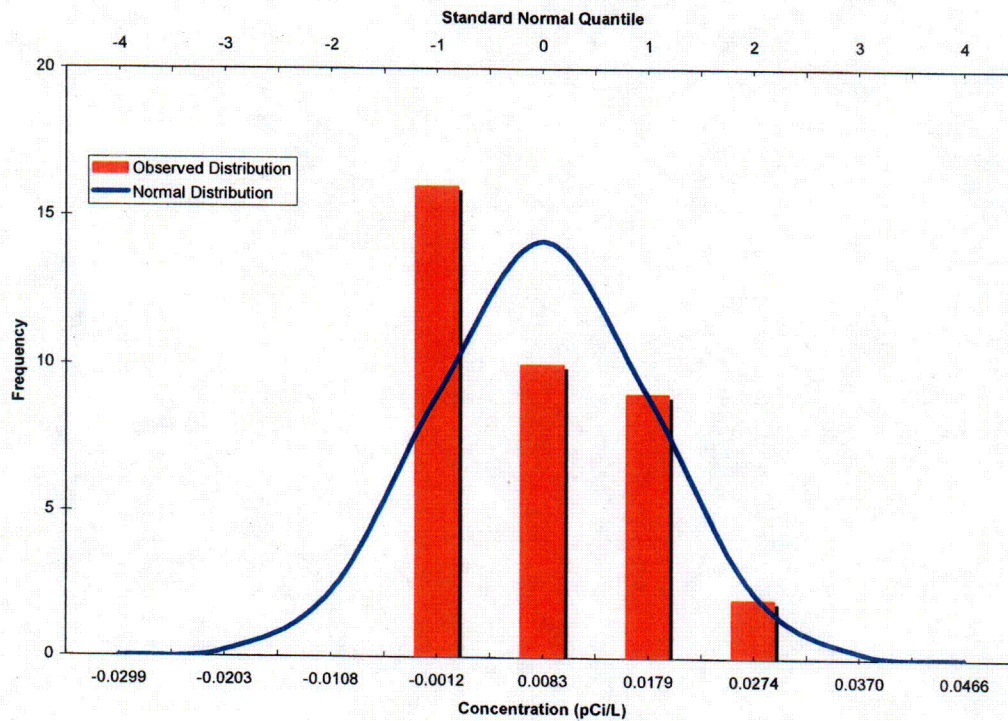
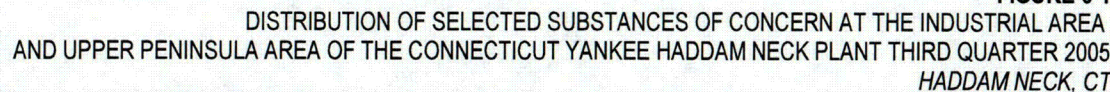


Figure 5-14: Cm-242 Normality Plot for December 2005





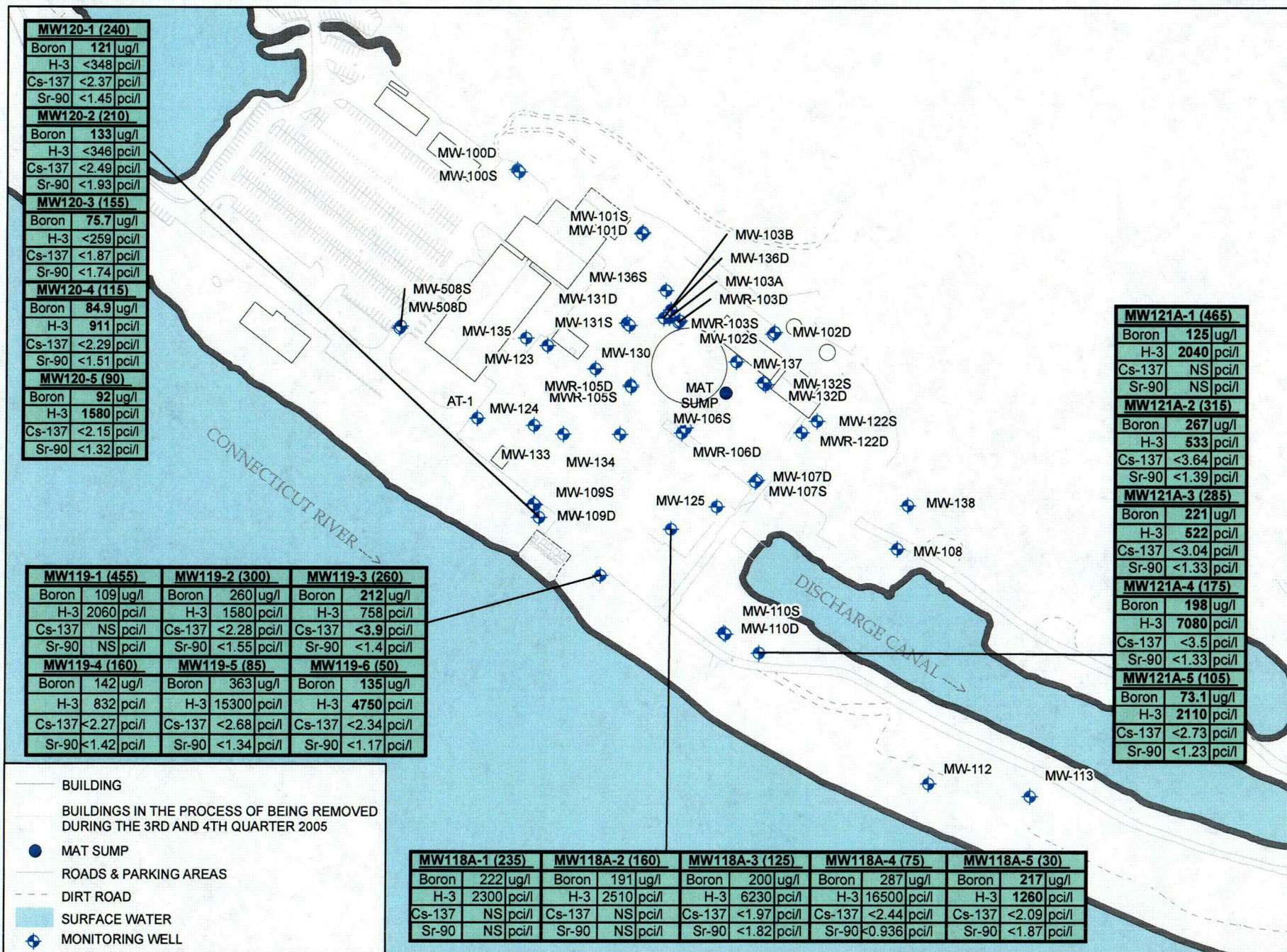
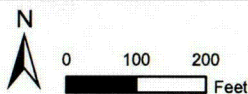


FIGURE 6-2
DISTRIBUTION OF SELECTED SUBSTANCES OF CONCERN IN THE MULTI-LEVEL WESTBAY WELLS
AT THE INDUSTRIAL AREA OF THE CONNECTICUT YANKEE HADDAM NECK PLANT THIRD QUARTER 2005
HADDAM NECK, CT

**CH2MHILL**

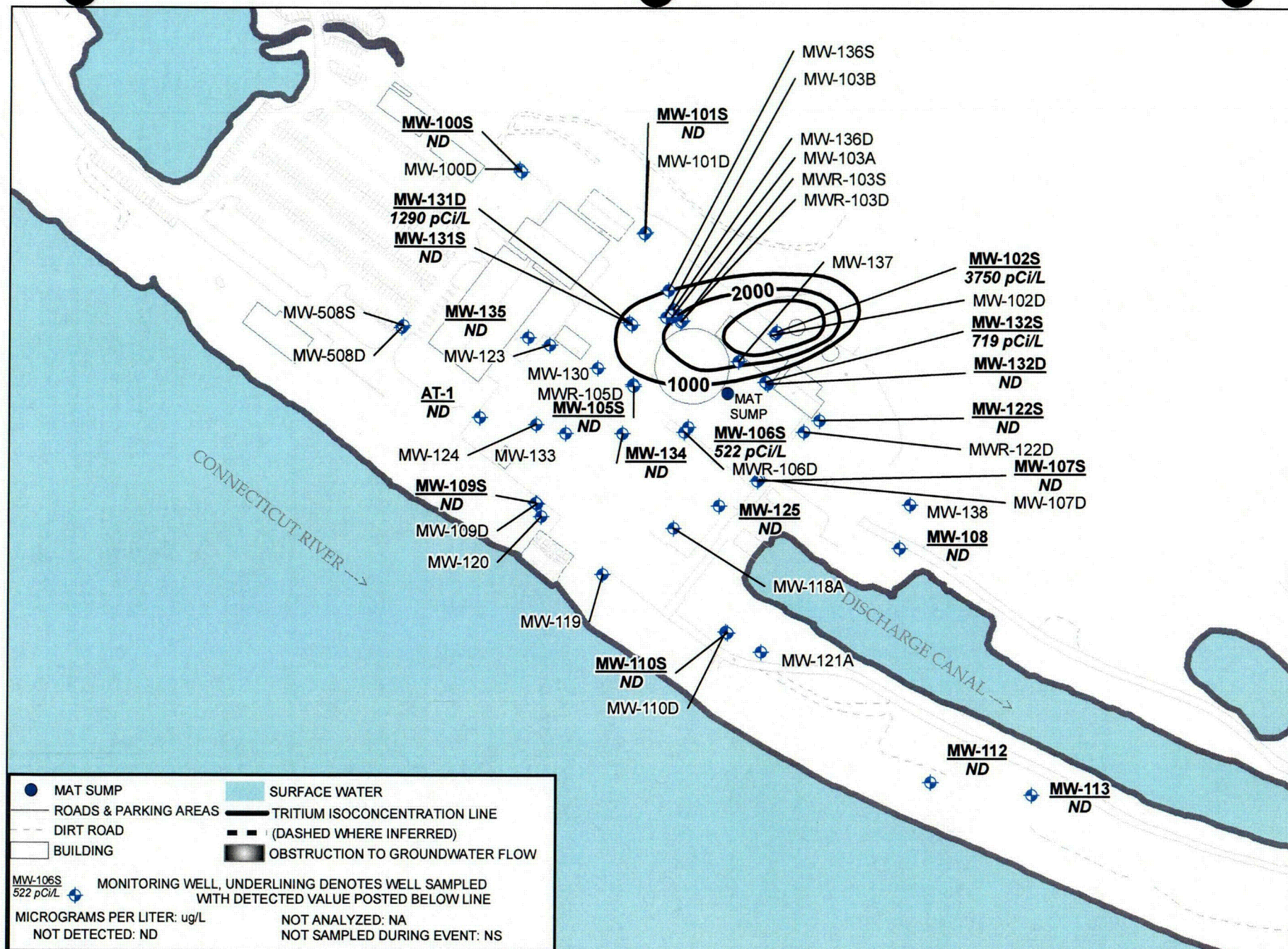


FIGURE 6-5
 INFERRED DISTRIBUTION OF TRITIUM (pCi/L) IN THE UNCONFINED AQUIFER
 AT THE INDUSTRIAL AREA AND UPPER PENINSULA AREA OF THE HADDAM NECK PLANT THIRD QUARTER 2005
 HADDAM NECK, CT

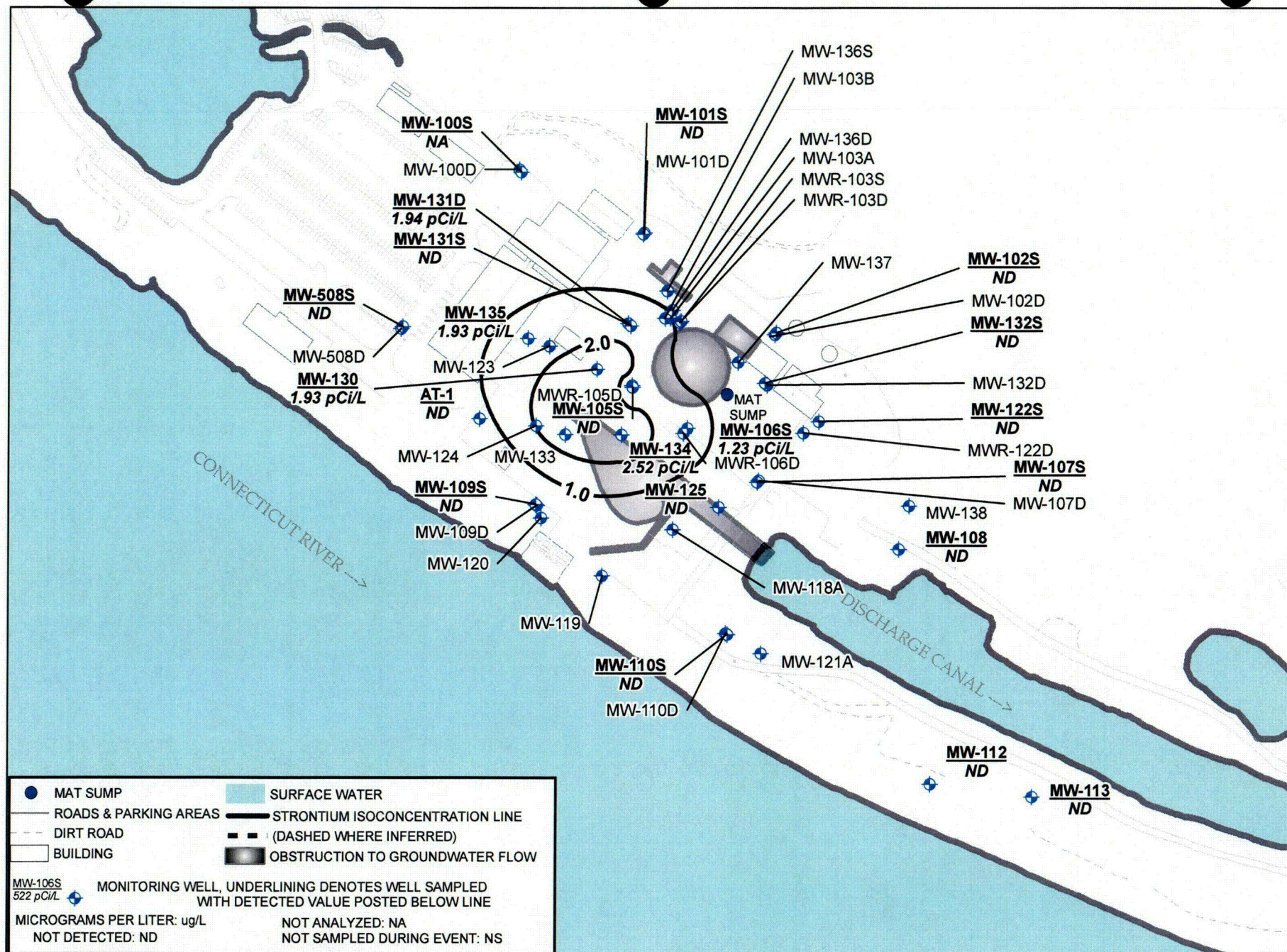


FIGURE 6-7
 INFERRED DISTRIBUTION OF STRONTIUM 90 (pCi/L) IN THE UNCONFINED AQUIFER
 AT THE INDUSTRIAL AREA AND UPPER PENINSULA AREA OF THE HADDAM NECK PLANT THIRD QUARTER 2005
 HADDAM NECK, CT

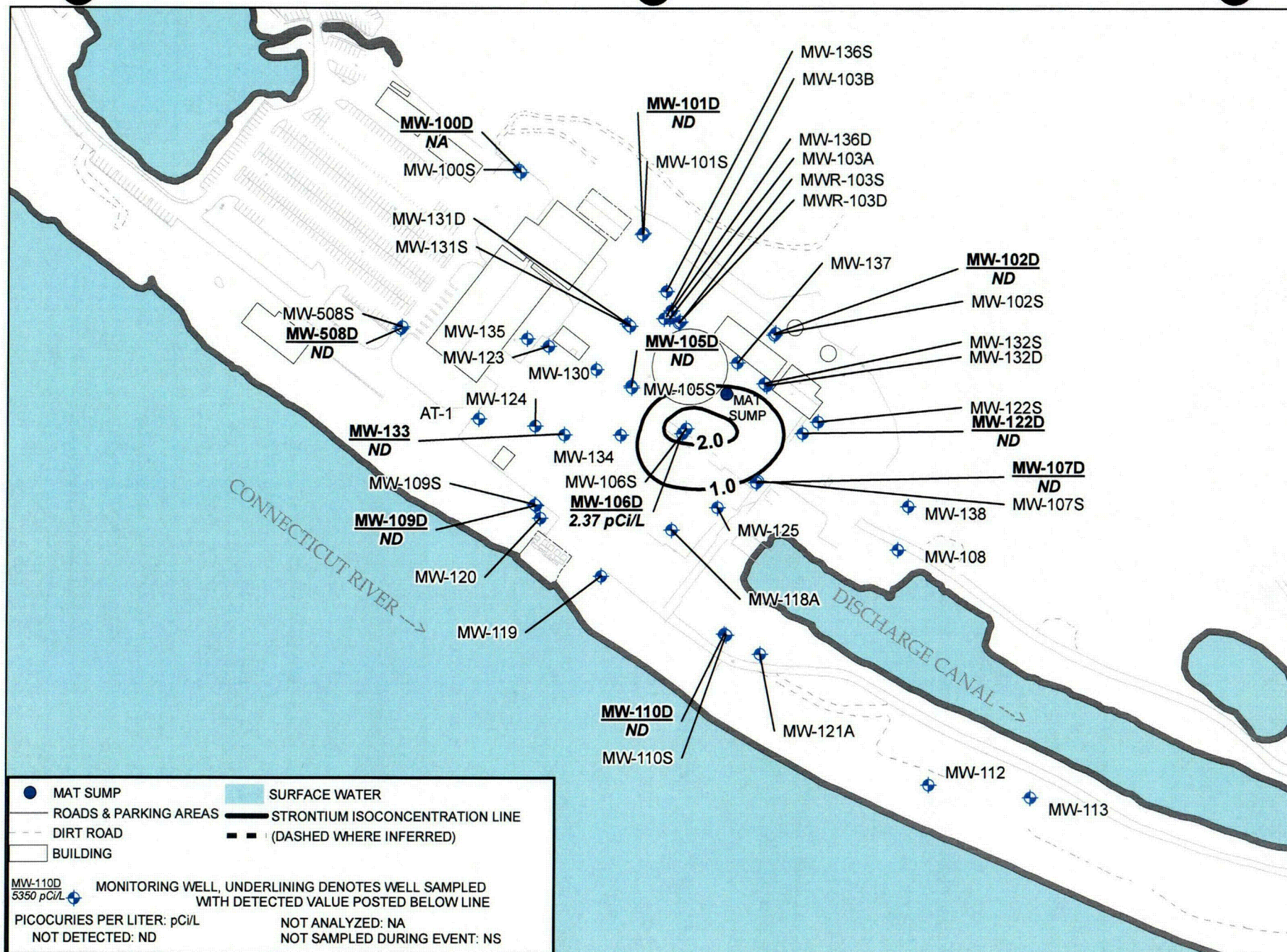


FIGURE 6-8
 INFERRED DISTRIBUTION OF STRONTIUM 90 (pCi/L) IN THE CONFINED AQUIFER
 AT THE INDUSTRIAL AREA AND UPPER PENINSULA AREA OF THE HADDAM NECK PLANT THIRD QUARTER 2005
 HADDAM NECK, CT

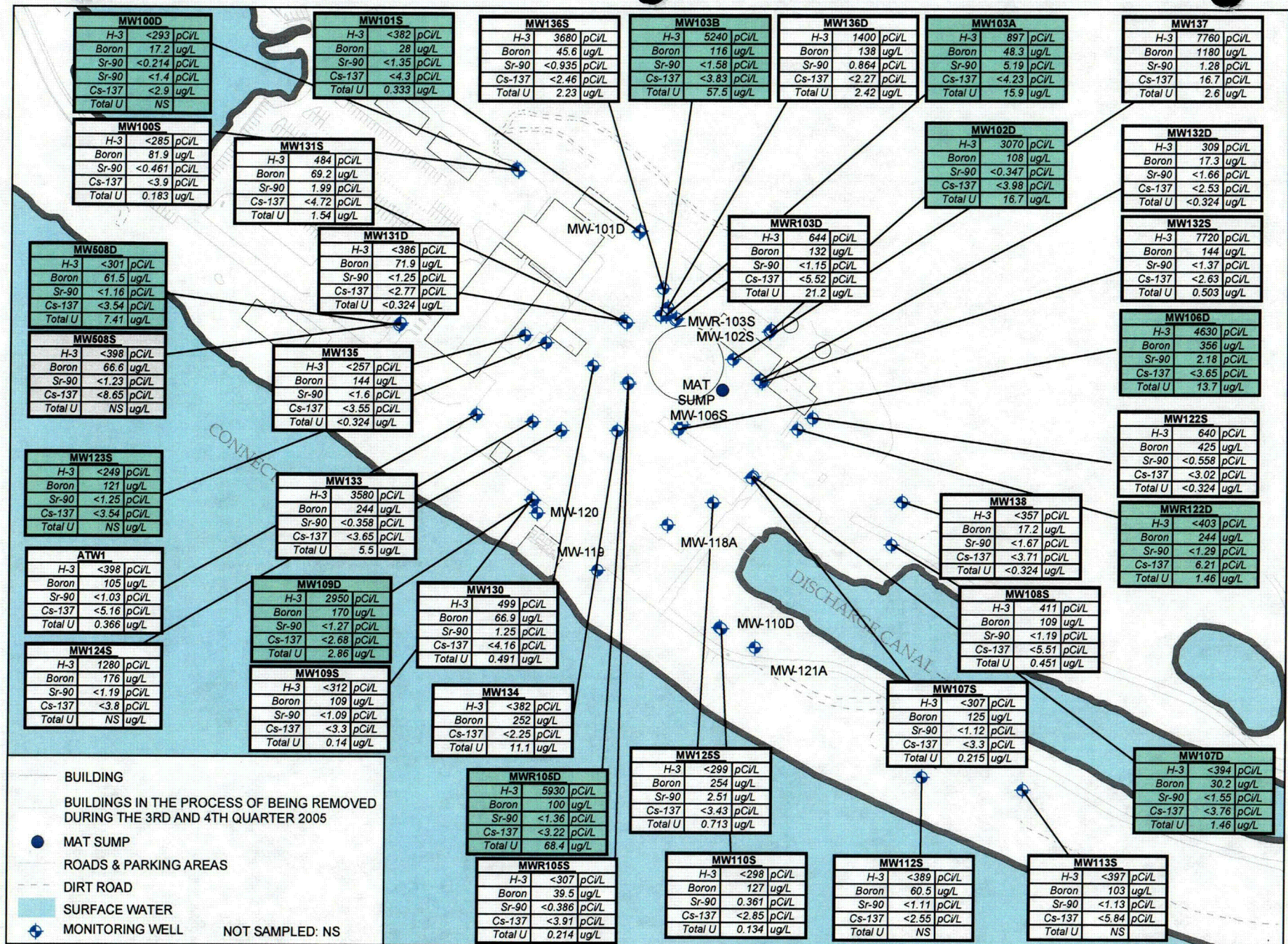


FIGURE 6-9
DISTRIBUTION OF SELECTED SUBSTANCES OF CONCERN AT THE INDUSTRIAL AREA
AND UPPER PENINSULA AREA OF THE CONNECTICUT YANKEE HADDAM NECK PLANT FOURTH QUARTER 2005
HADDAM NECK, CT

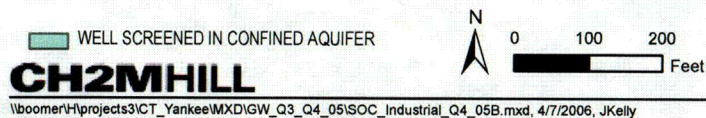
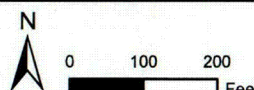
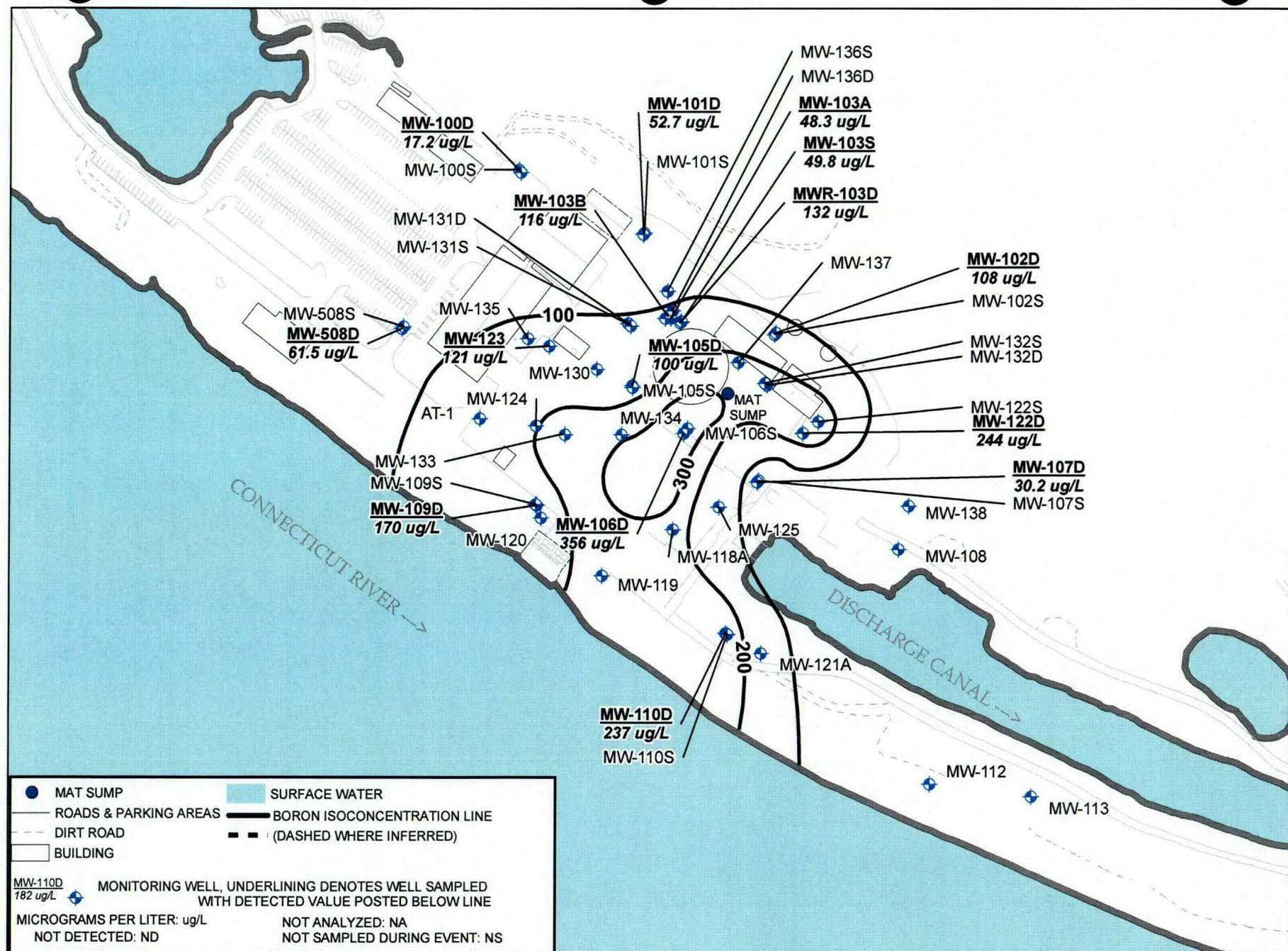


FIGURE 6-10

DISTRIBUTION OF SELECTED SUBSTANCES OF CONCERN IN THE MULTI-LEVEL WESTBAY WELLS
AT THE INDUSTRIAL AREA OF THE CONNECTICUT YANKEE HADDAM NECK PLANT FOURTH QUARTER 2005

HADDAM NECK, CT

**CH2MHILL**



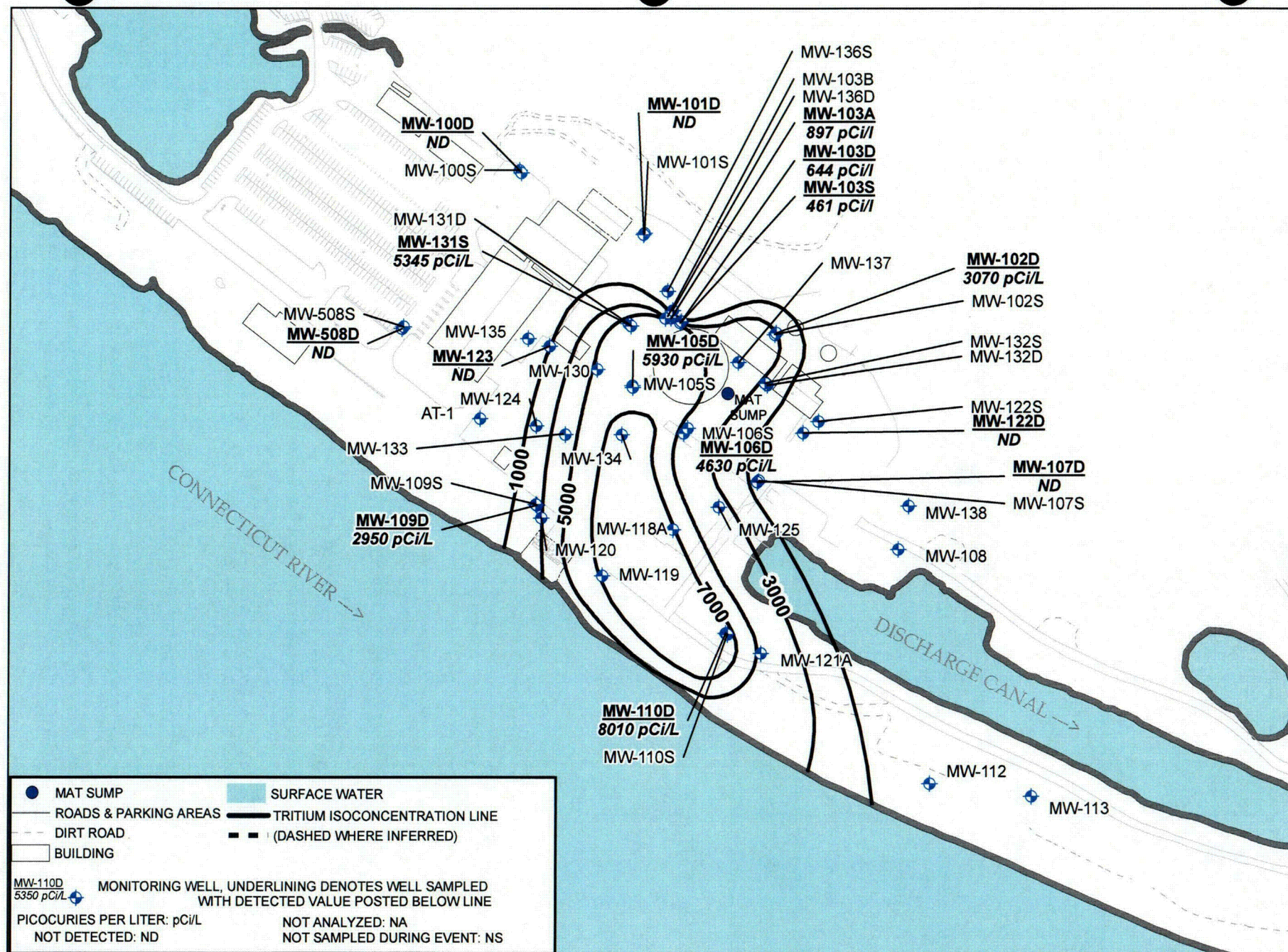


FIGURE 6-14
 INFERRED DISTRIBUTION OF TRITIUM (pCi/L) IN THE CONFINED AQUIFER
 AT THE INDUSTRIAL AREA AND UPPER PENINSULA AREA OF THE HADDAM NECK PLANT FOURTH QUARTER 2005
 HADDAM NECK, CT

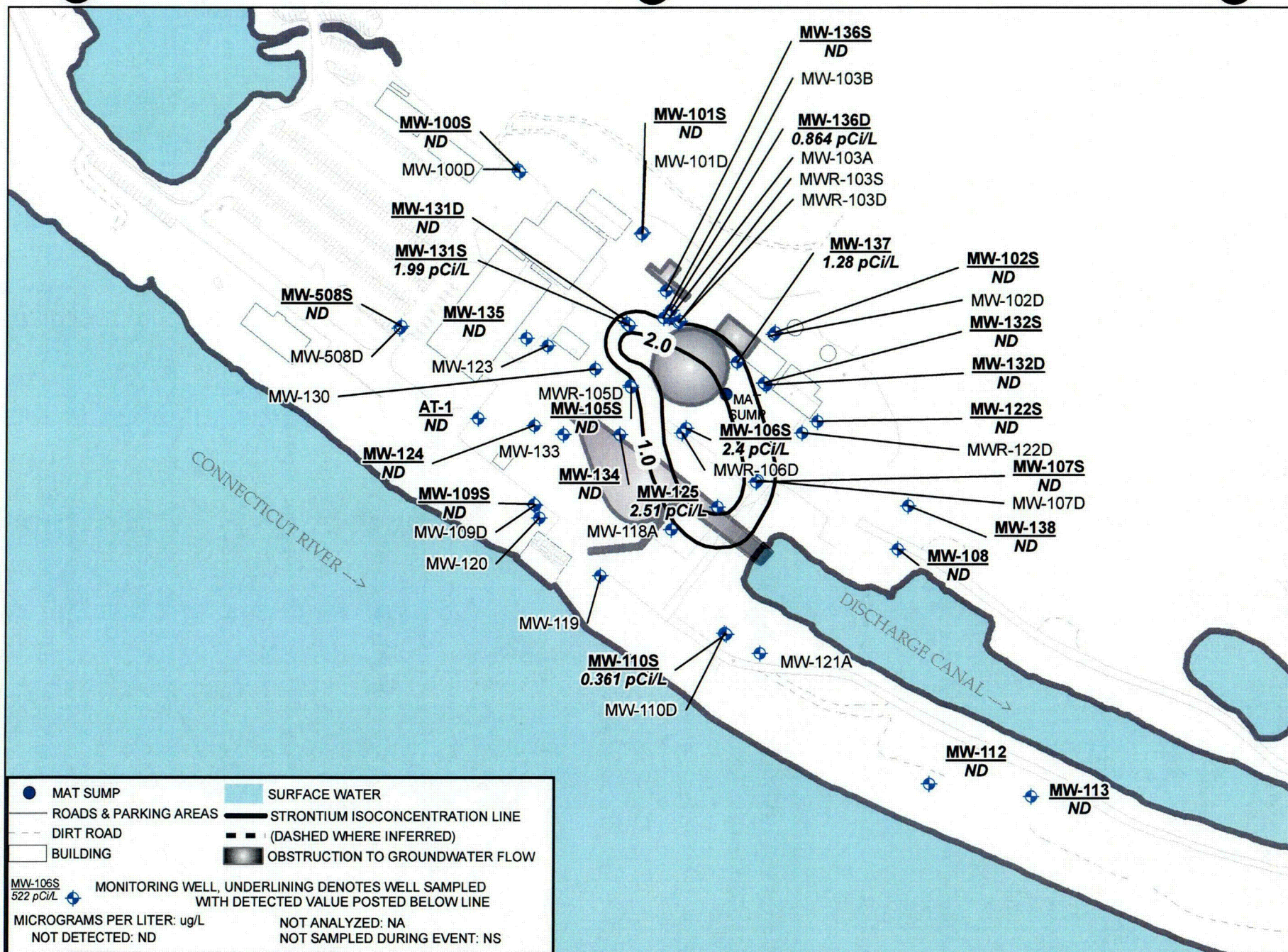


FIGURE 6-15
 INFERRED DISTRIBUTION OF STRONTIUM 90 (pCi/L) IN THE UNCONFINED AQUIFER
 AT THE INDUSTRIAL AREA AND UPPER PENINSULA AREA OF THE HADDAM NECK PLANT FOURTH QUARTER 2005
 HADDAM NECK, CT

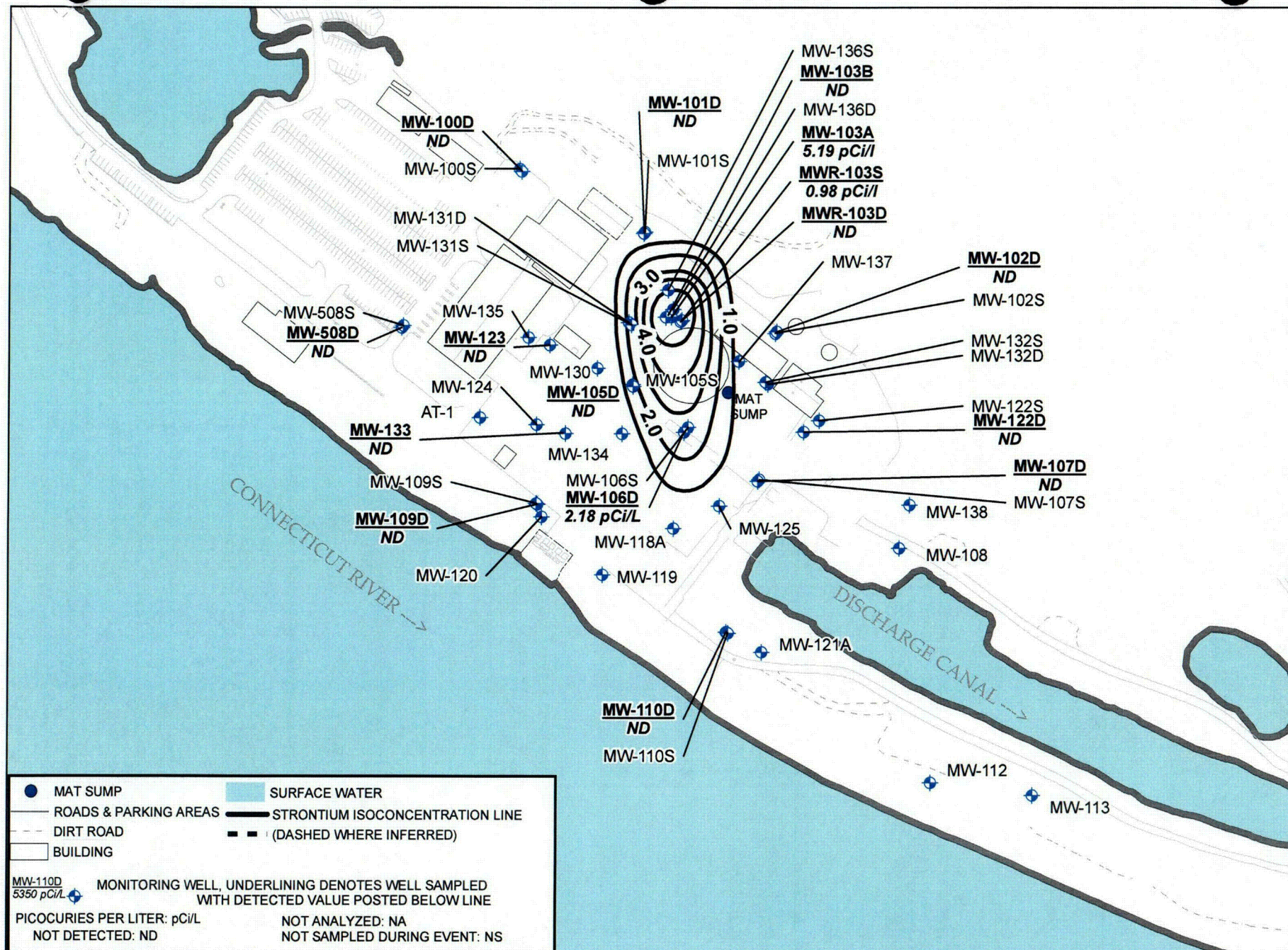


FIGURE 6-16
 INFERRED DISTRIBUTION OF STRONTIUM 90 (pCi/L) IN THE CONFINED AQUIFER
 AT THE INDUSTRIAL AREA AND UPPER PENINSULA AREA OF THE HADDAM NECK PLANT FOURTH QUARTER 2005
 HADDAM NECK, CT

Figure 6-17: Distribution of Tritium (pCi/L) in MW-118A Third and Fourth Quarter 2005

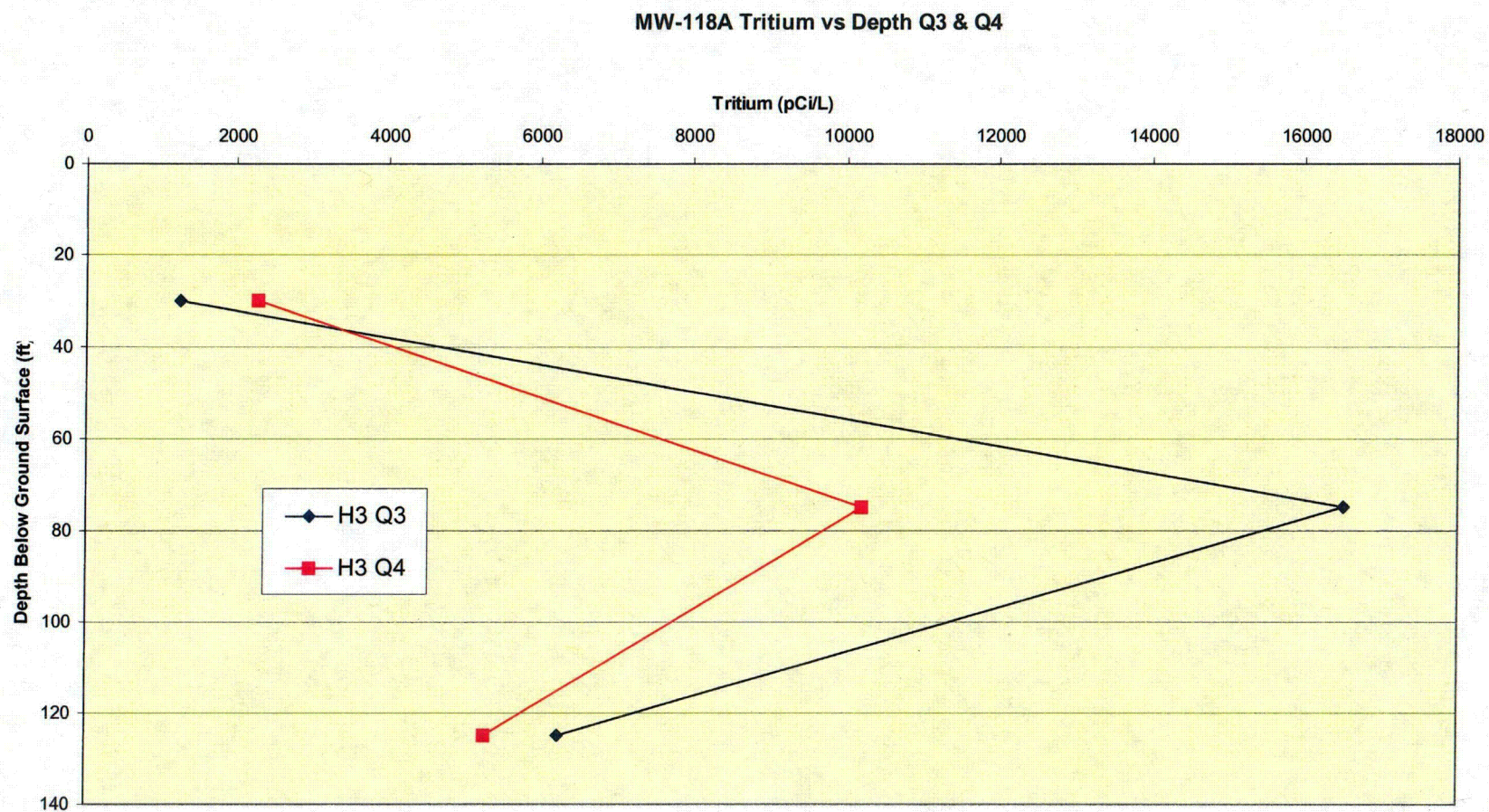


Figure 6-18: Distribution of Tritium (pCi/L) in MW-119 Third and Fourth Quarter 2005

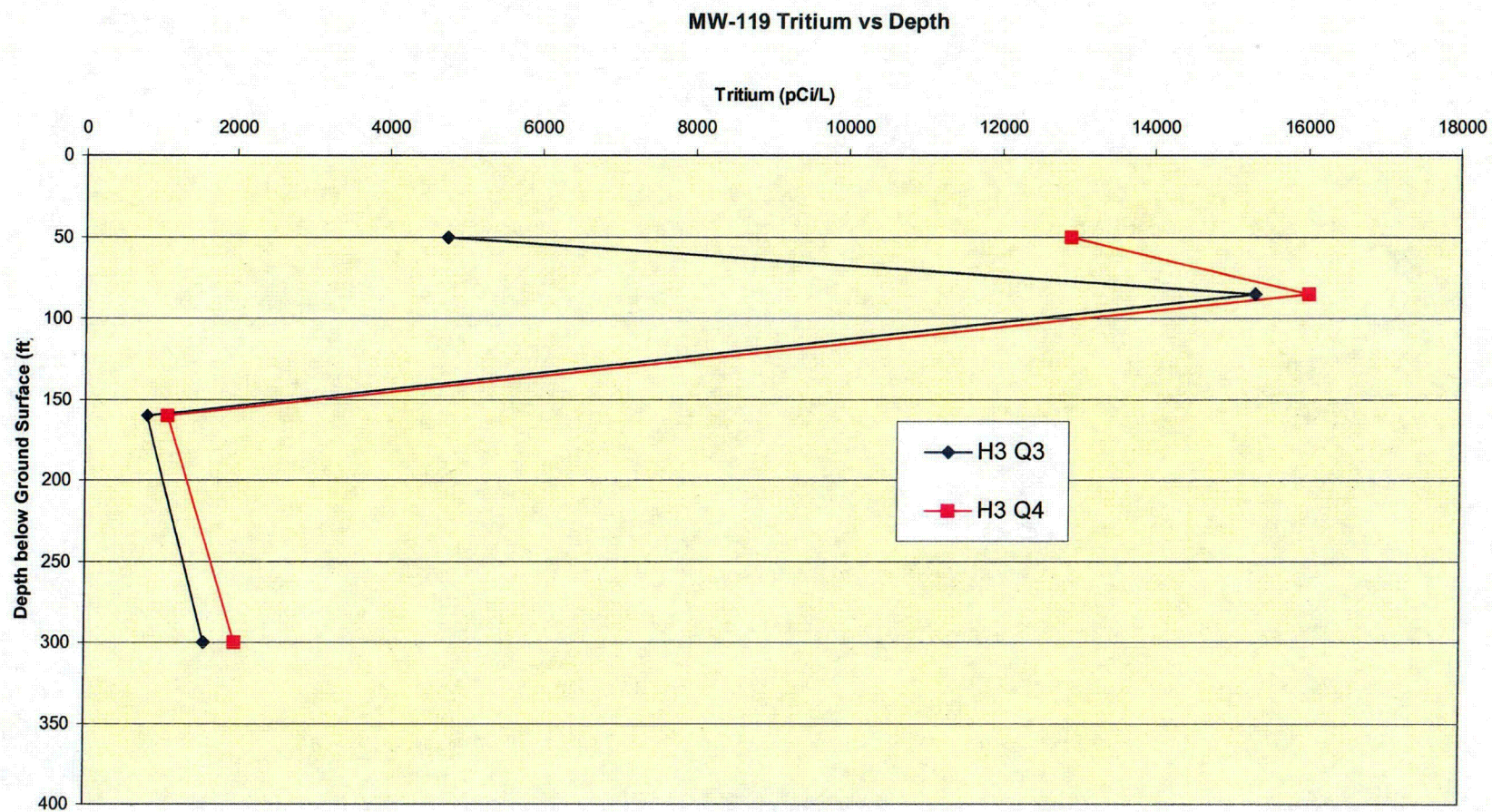


Figure 6-19: Distribution of Tritium (pCi/L) in MW-120 Third and Fourth Quarter 2005

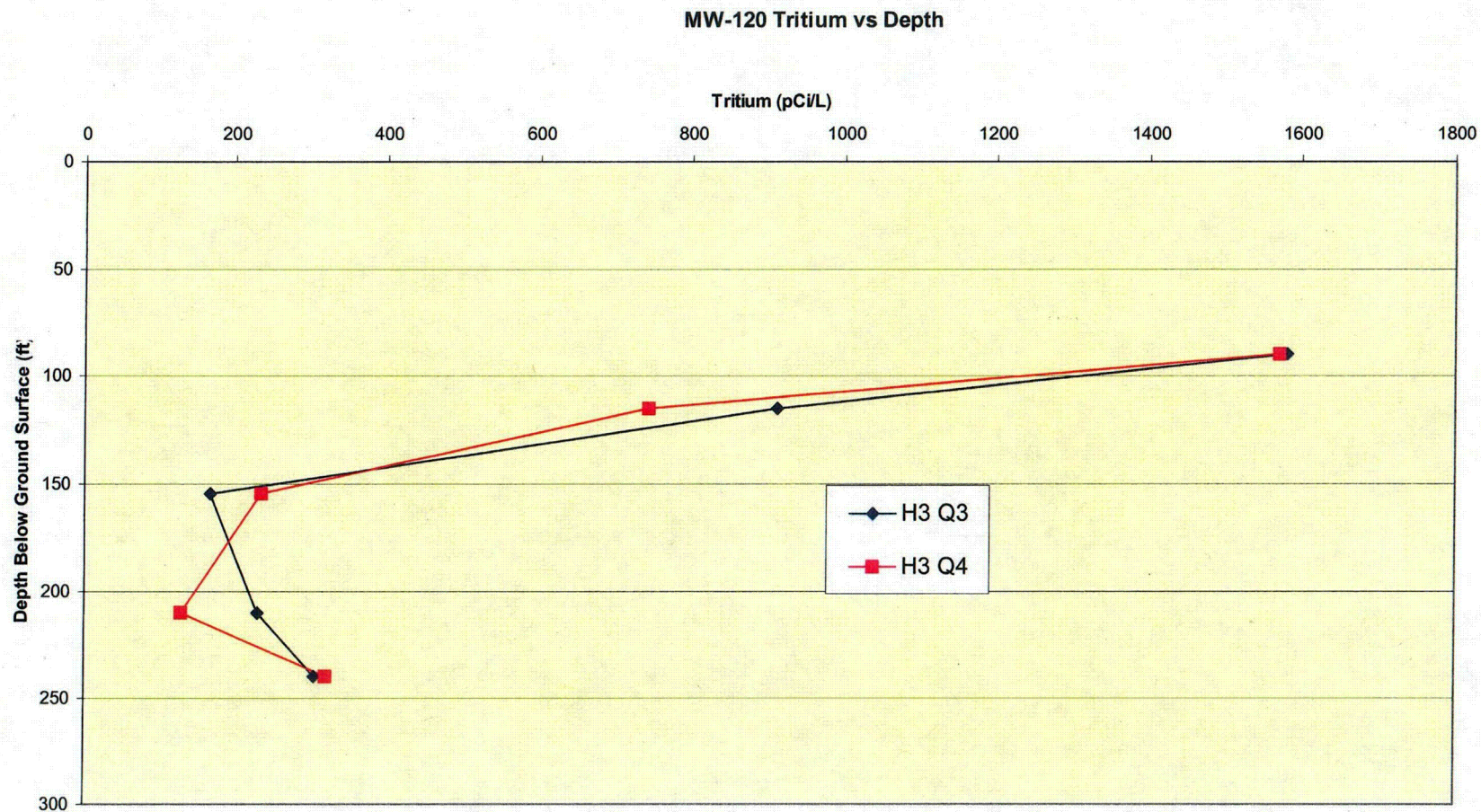


Figure 6-20: Distribution of Tritium (pCi/L) in MW-121A Third and Fourth Quarter 2005
MW-121A Tritium vs Depth

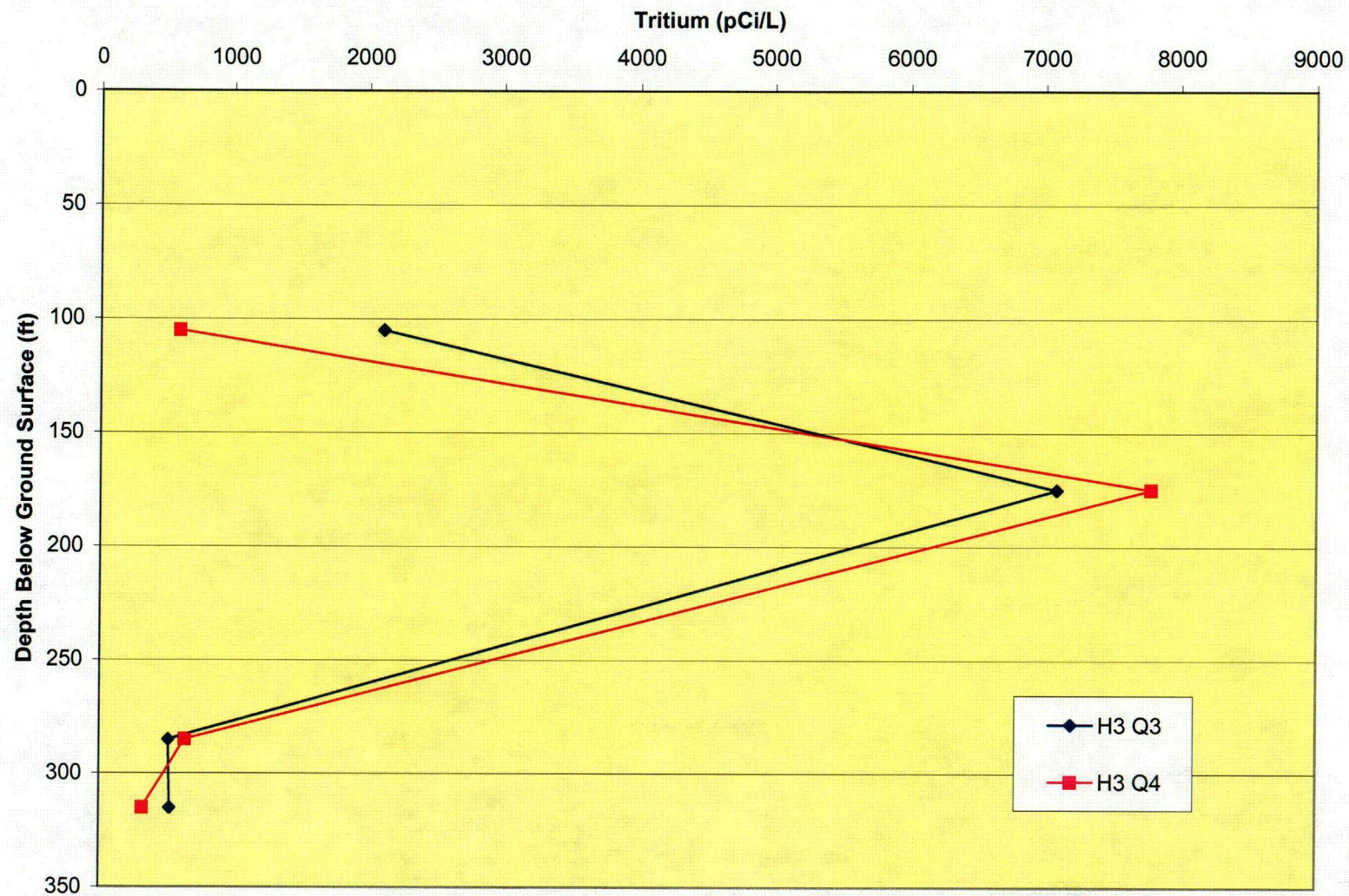


Figure 6-21: Distribution of Boron ($\mu\text{g/L}$) in MW-118A Third and Fourth Quarter 2005

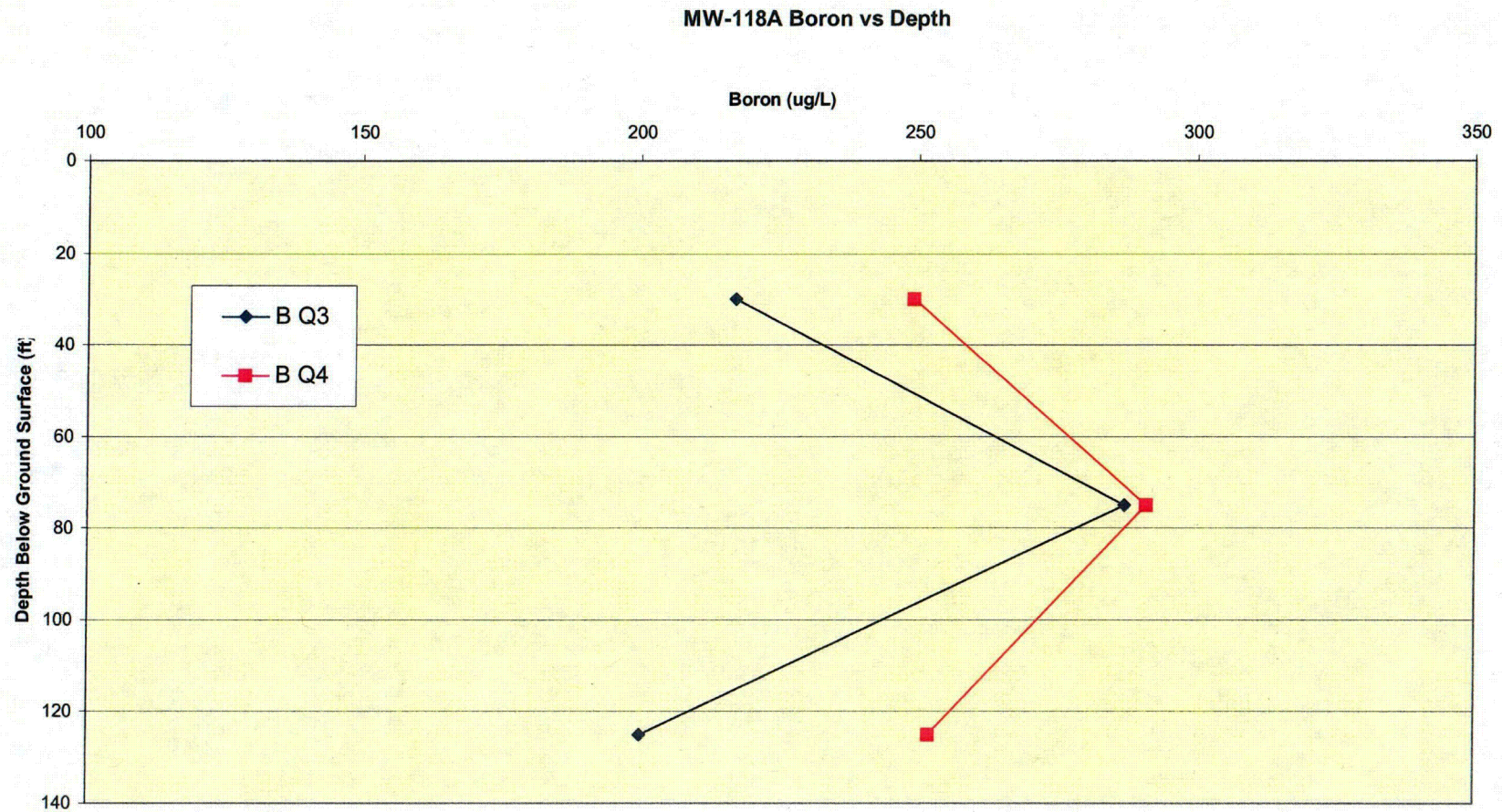


Figure 6-22: Distribution of Boron ($\mu\text{g/L}$) in MW-119 Third and Fourth Quarter 2005

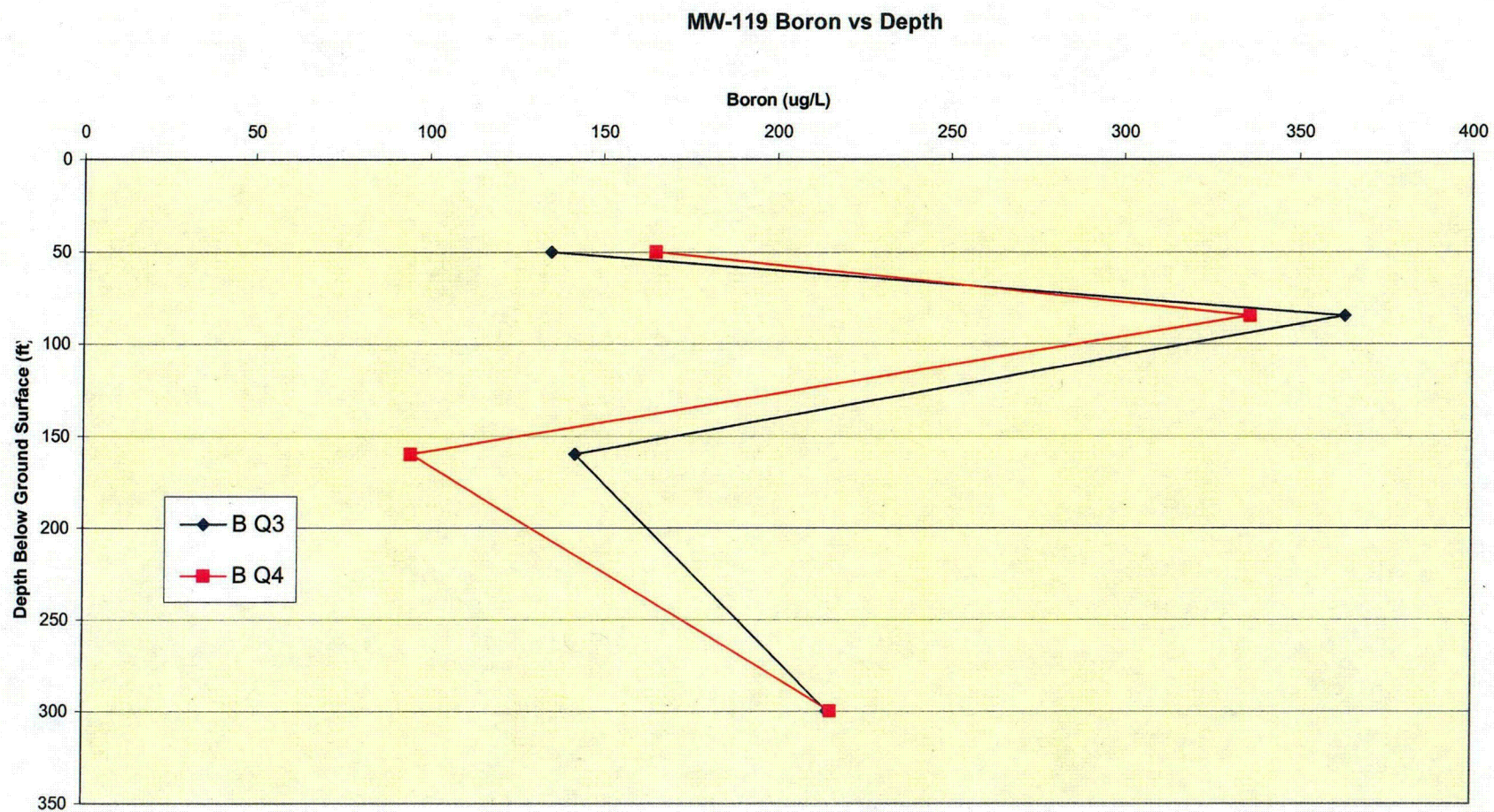


Figure 6-23: Distribution of Boron ($\mu\text{g/L}$) in MW-120 Third and Fourth Quarter 2005

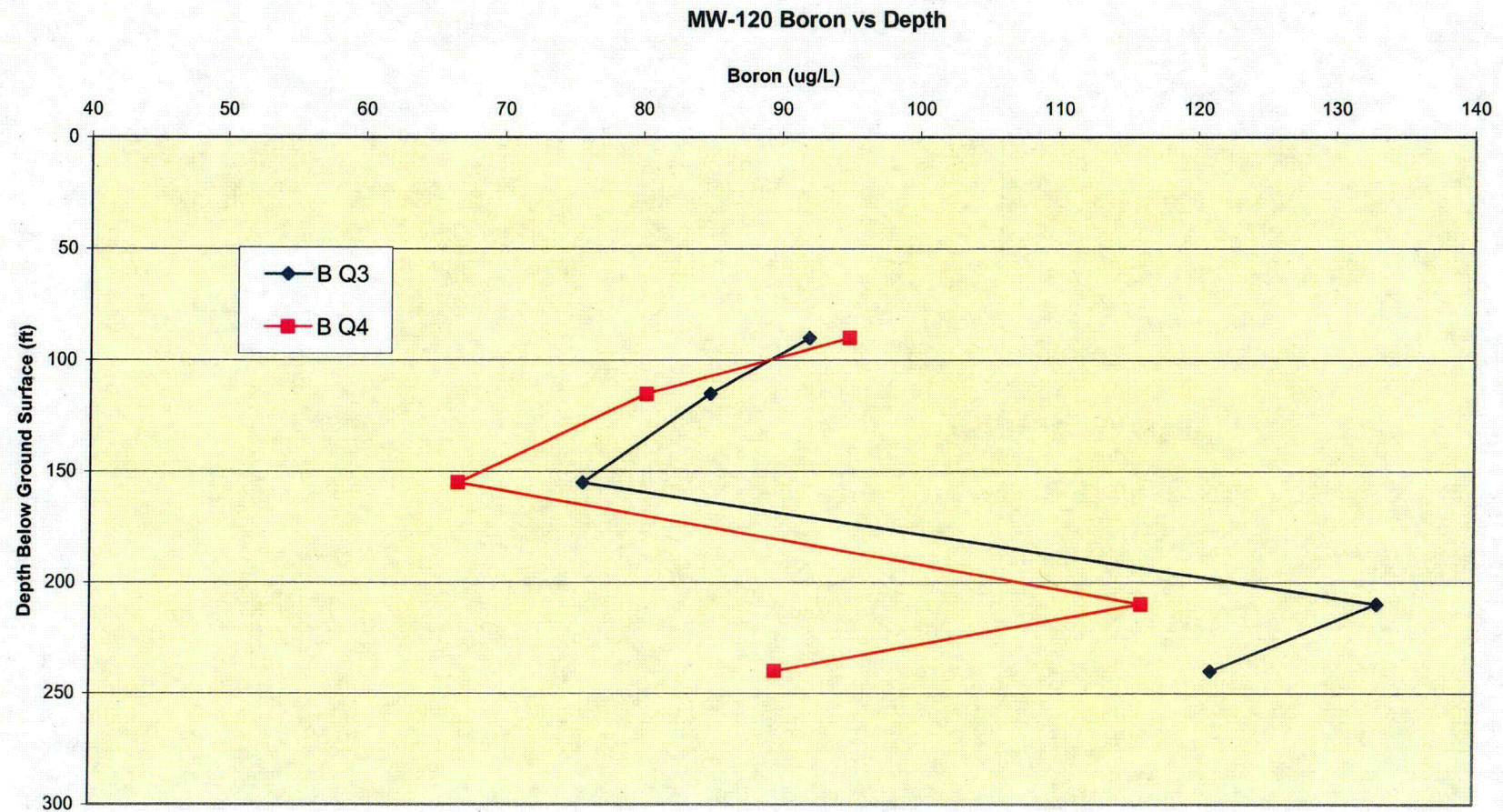


Figure 6-24: Distribution of Boron ($\mu\text{g/L}$) in MW-121A Third and Fourth Quarter 2005

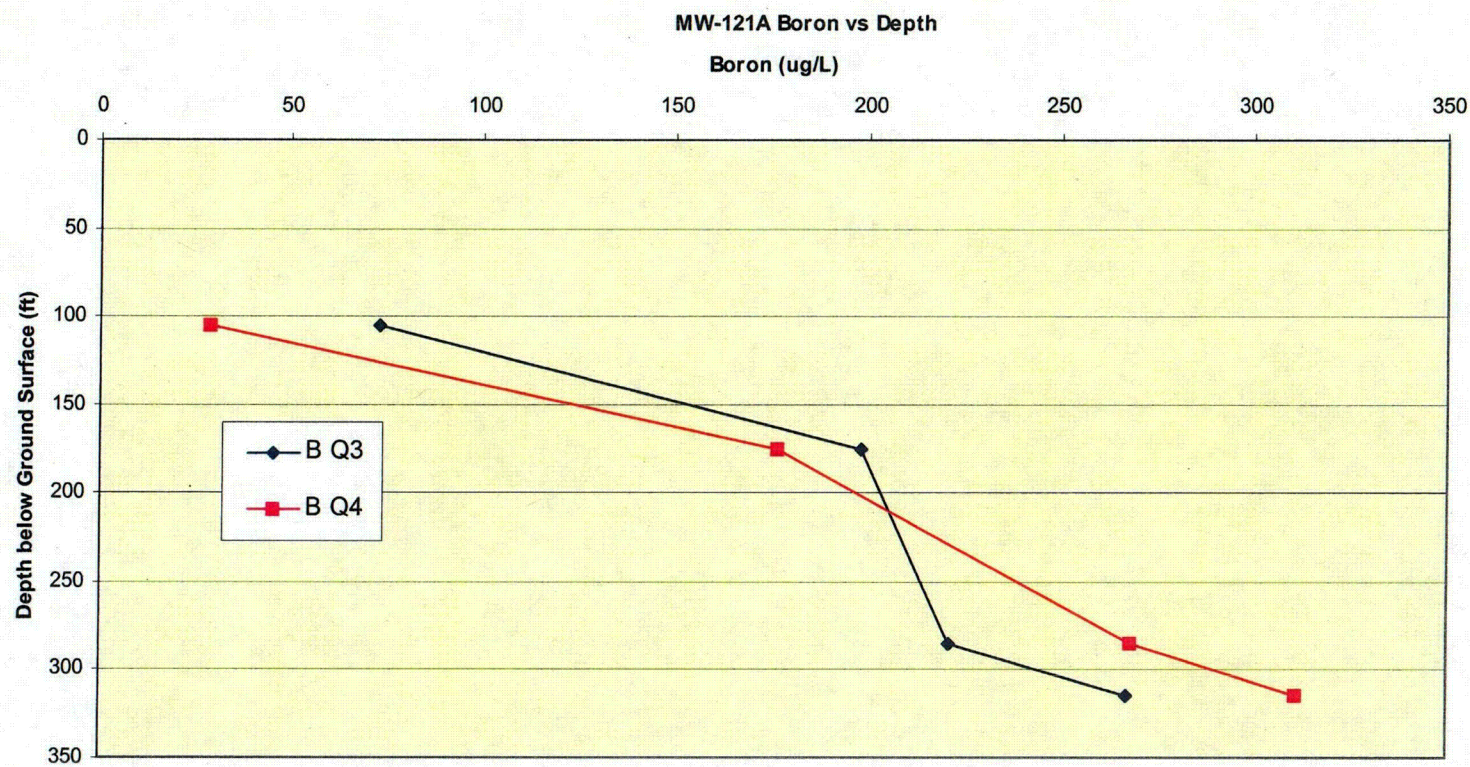


Figure 6-25: Boron Site-wide Concentration Box Plot

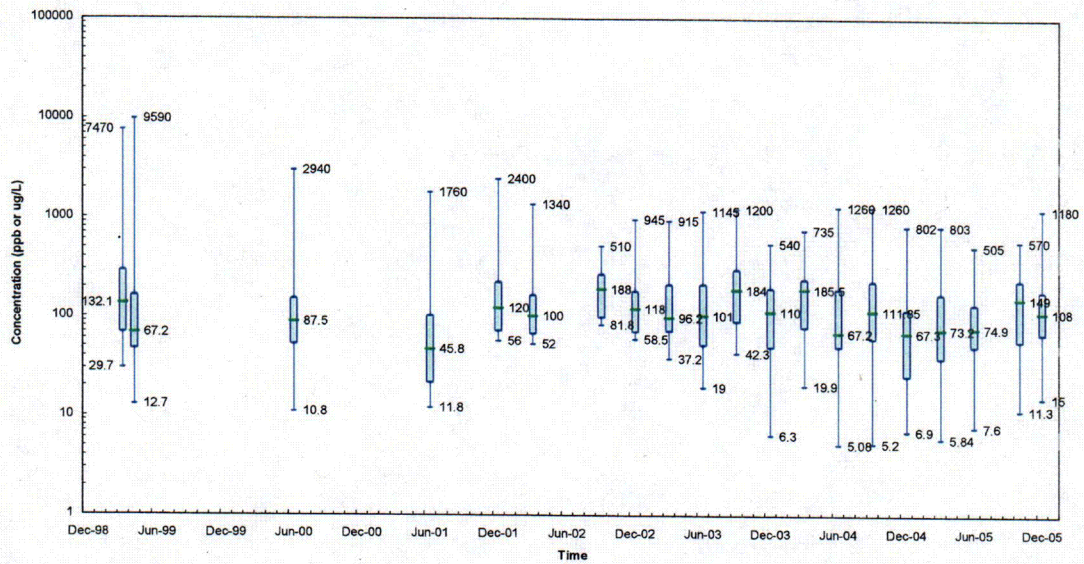


Figure 6-26: Box Plot of Gross Alpha Concentrations in Unconfined Aquifer

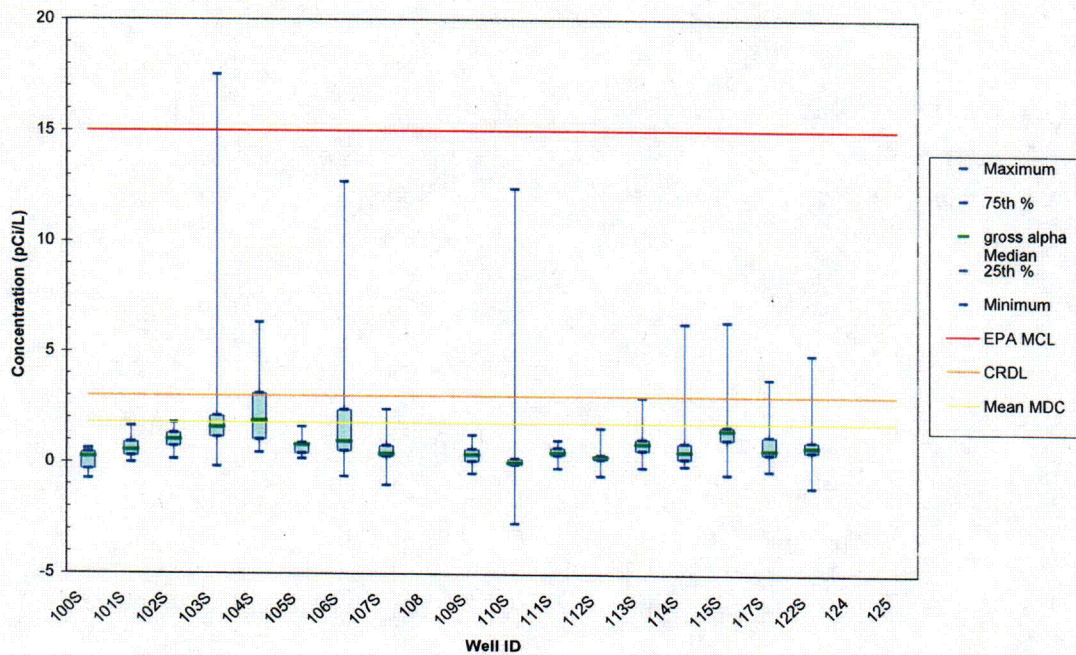


Figure 6-27: Box Plot of Gross Alpha Concentrations in Confined Aquifer

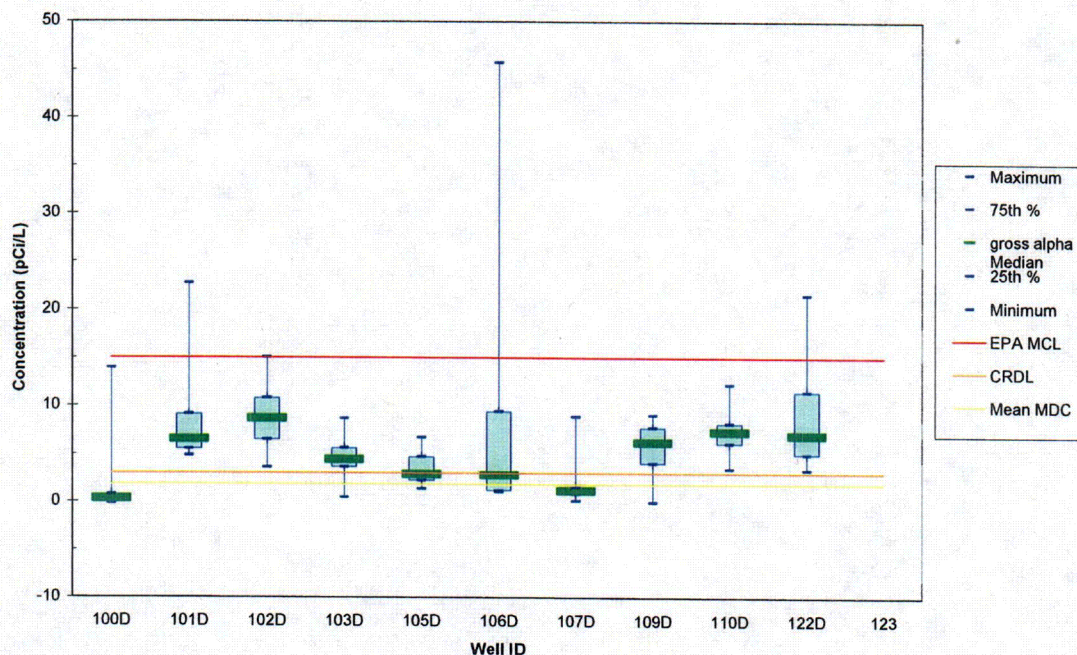


Figure 6-28: Gross Alpha Site-wide Concentration Box Plot

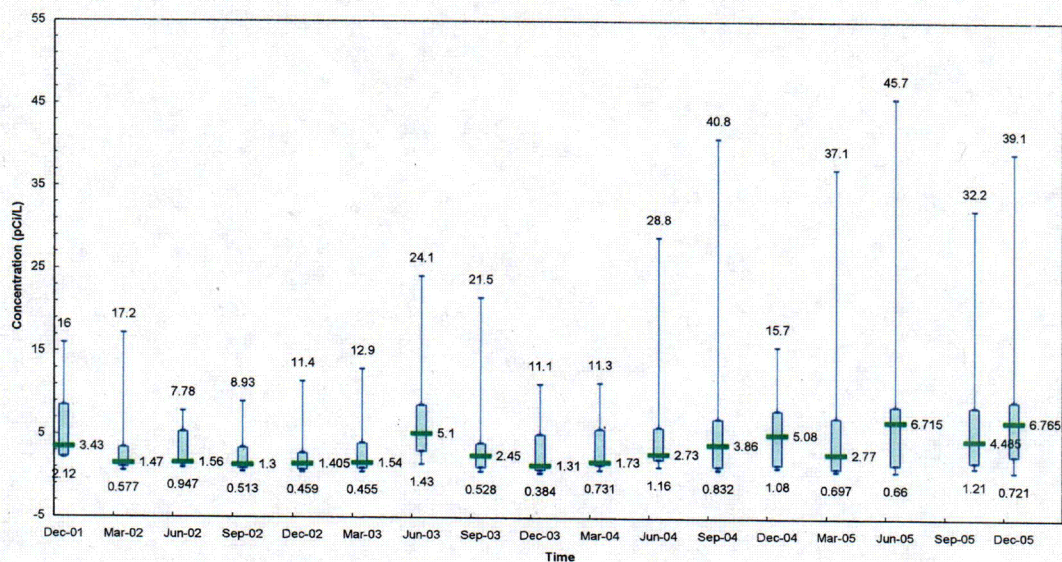


Figure 6-29: Box Plot of Gross Beta Concentrations in Unconfined Aquifer

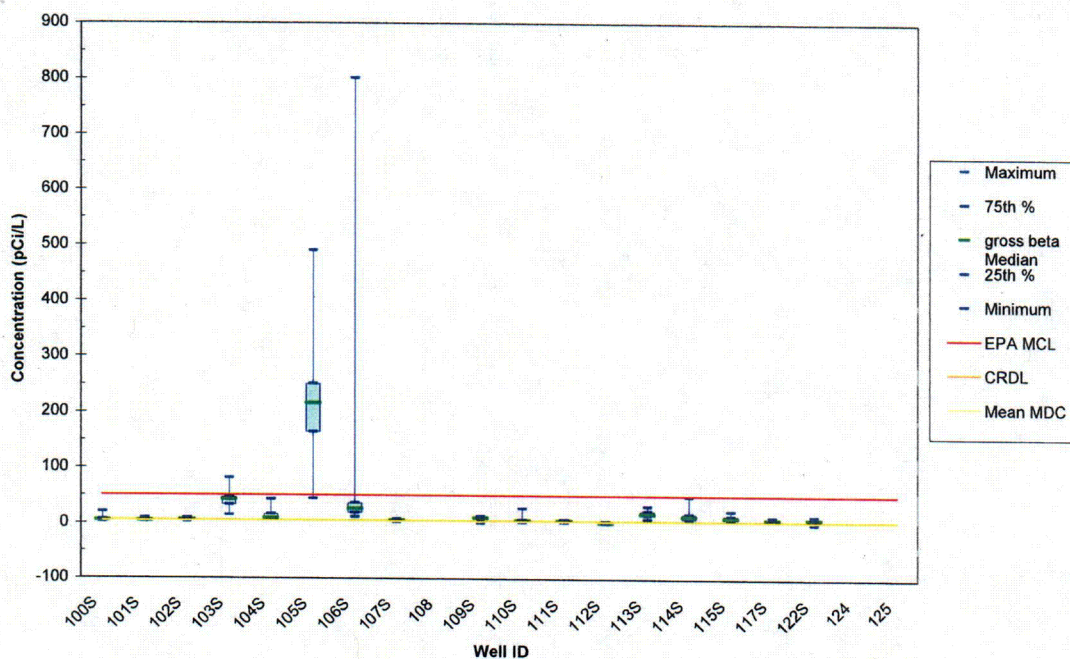


Figure 6-30: Box Plot of Gross Beta Concentrations in Confined Aquifer

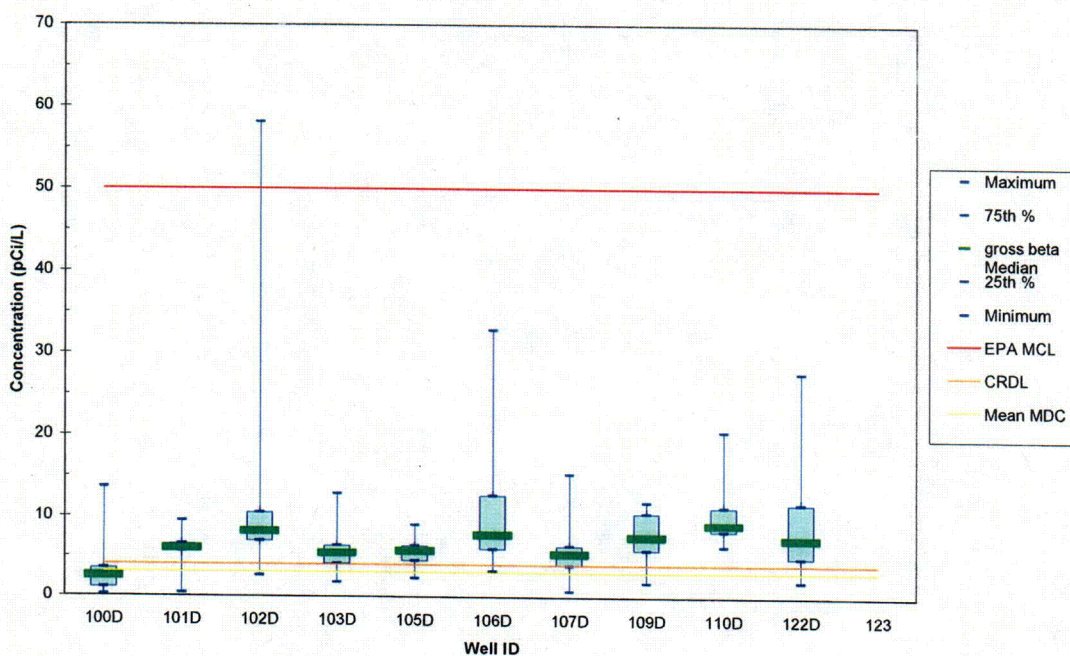


Figure 6-31: Gross Beta Site-wide Concentration Box Plot

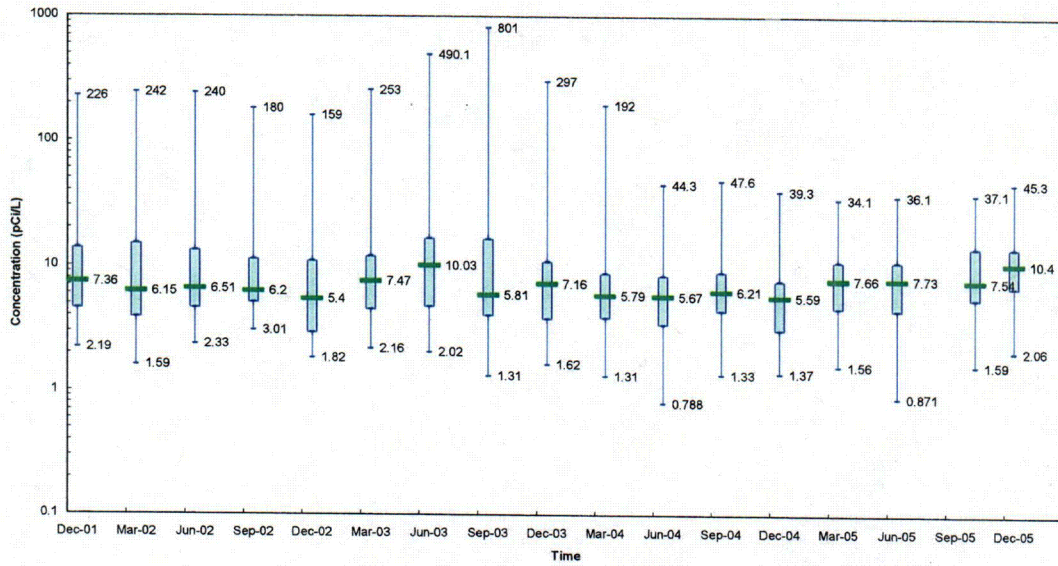


Figure 6-32: H-3 Concentration Trend at Cluster Well MW102

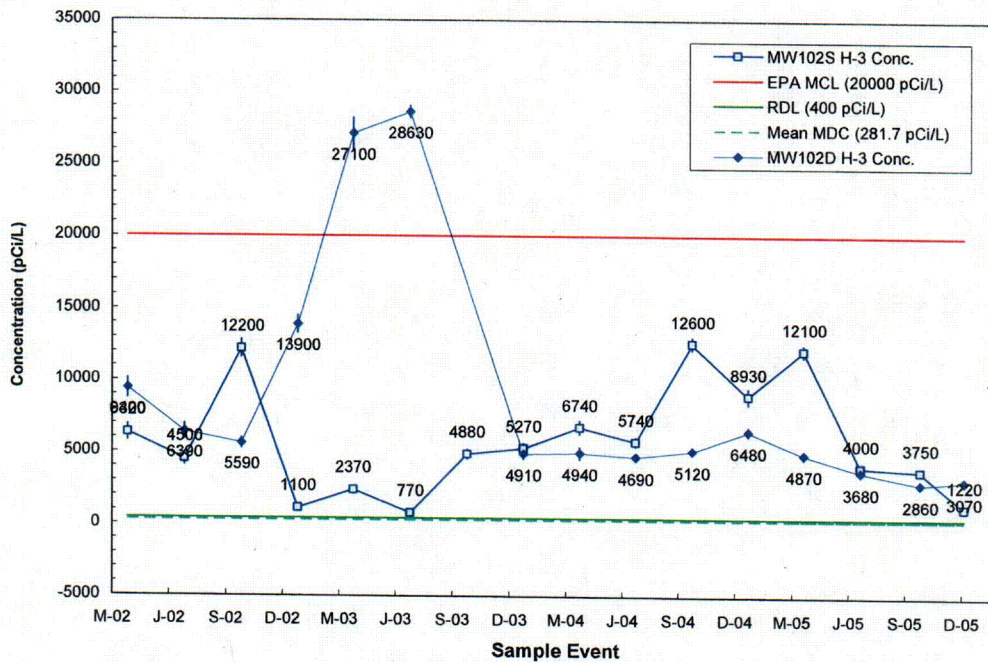


Figure 6-33: H-3 Concentration Trend at Cluster Well MW103

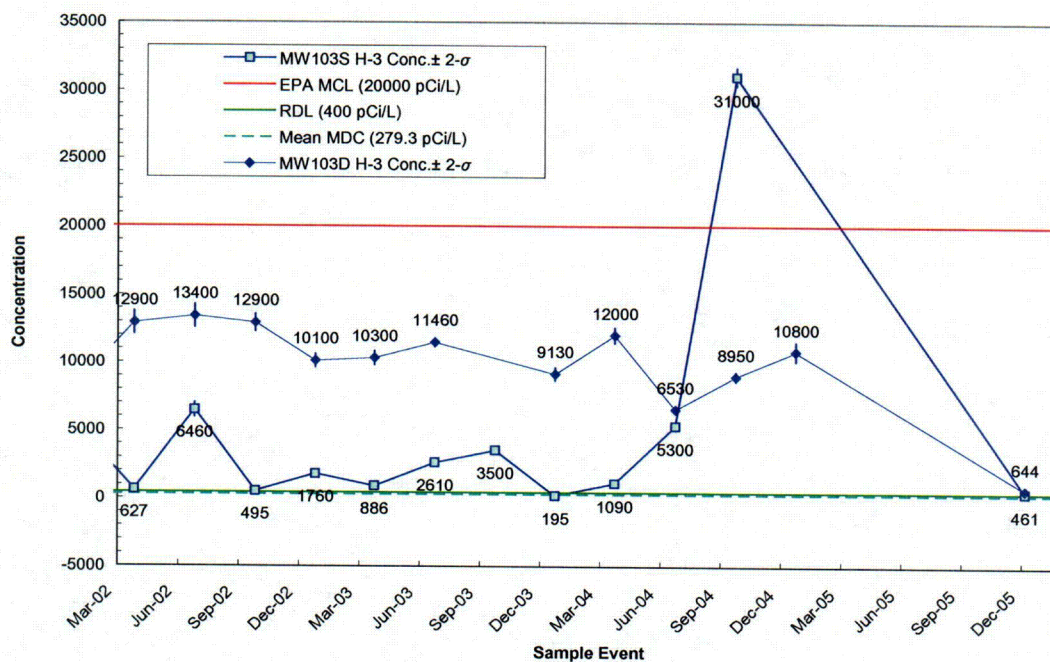


Figure 6-34: H-3 Concentration Trend at Cluster Well MW110

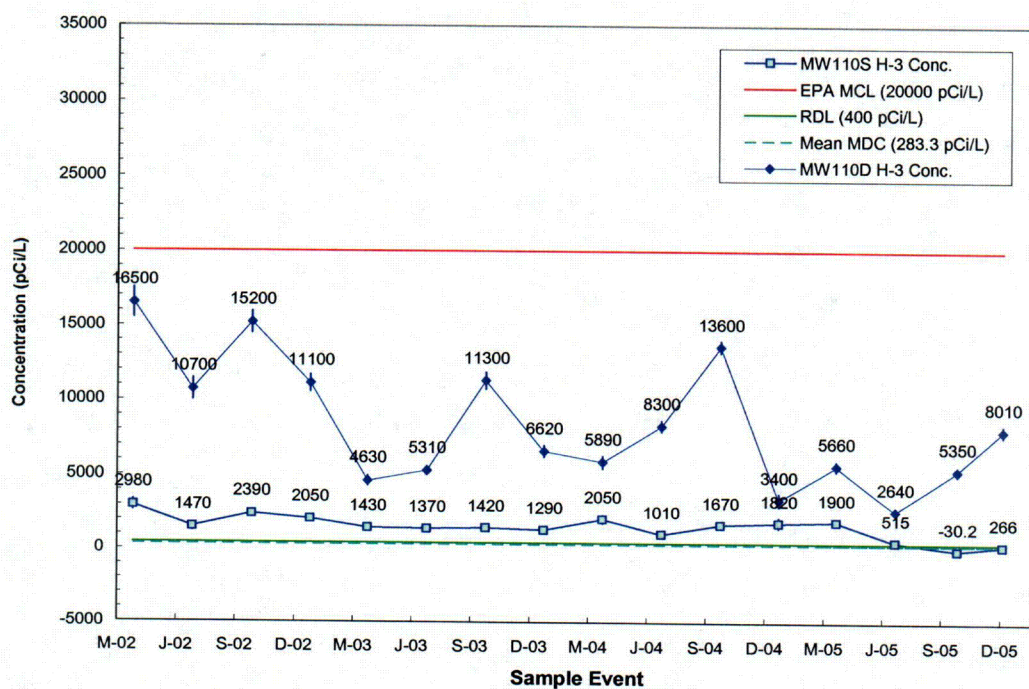


Figure 6-35: H-3 Concentration Trend at Cluster Well MW105

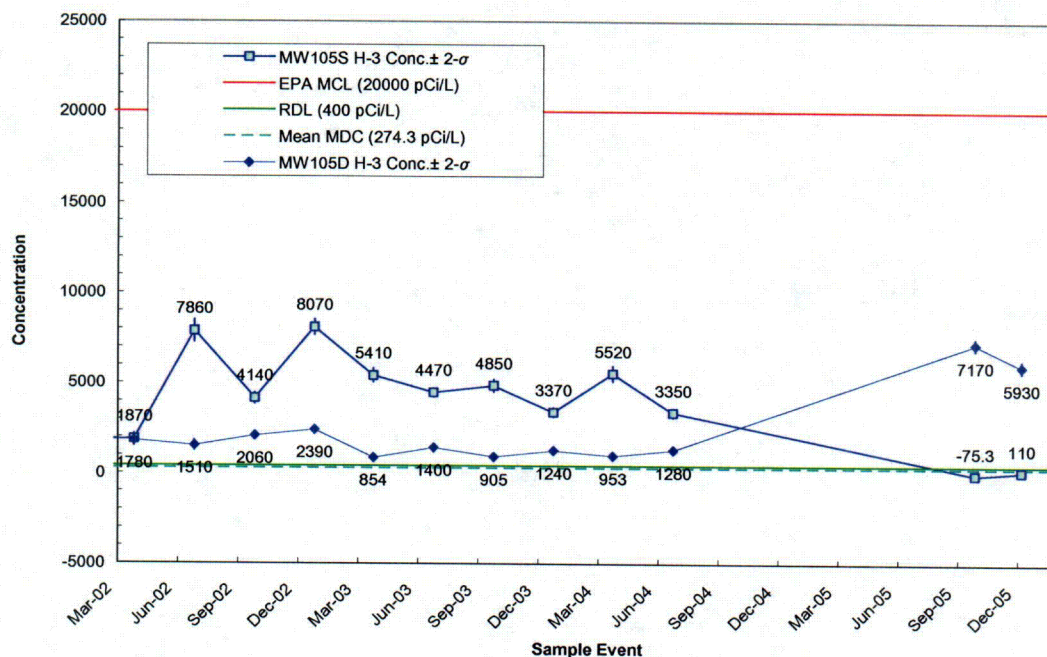


Figure 6-36: H-3 Concentration Trend at Well MW114S

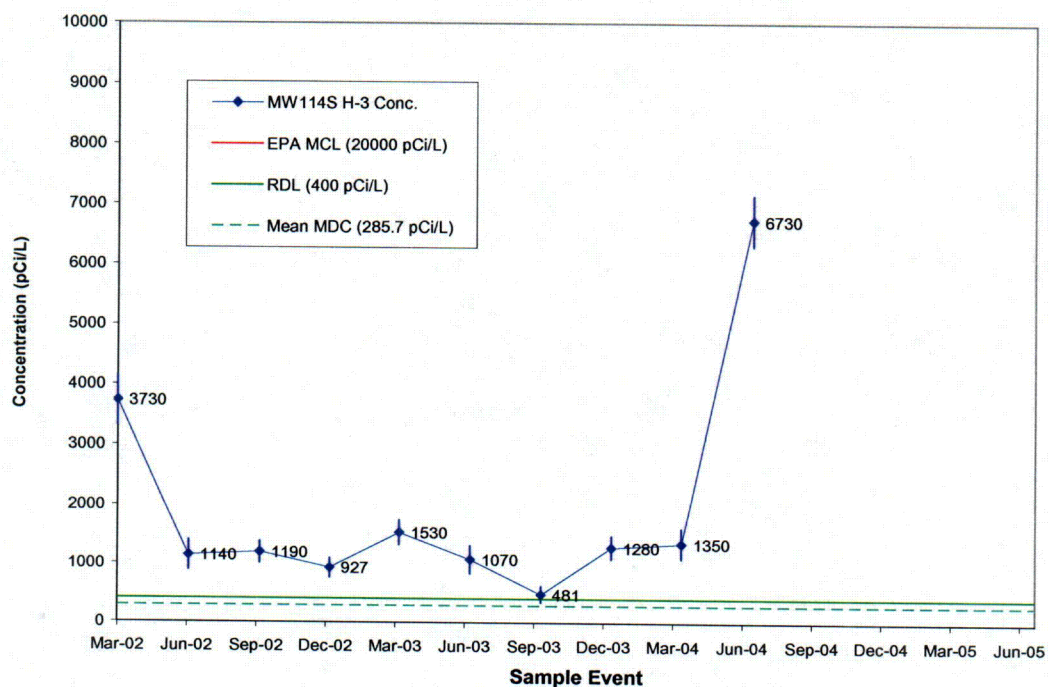


Figure 6-37: Box Plot of H-3 Concentrations in Unconfined Aquifer

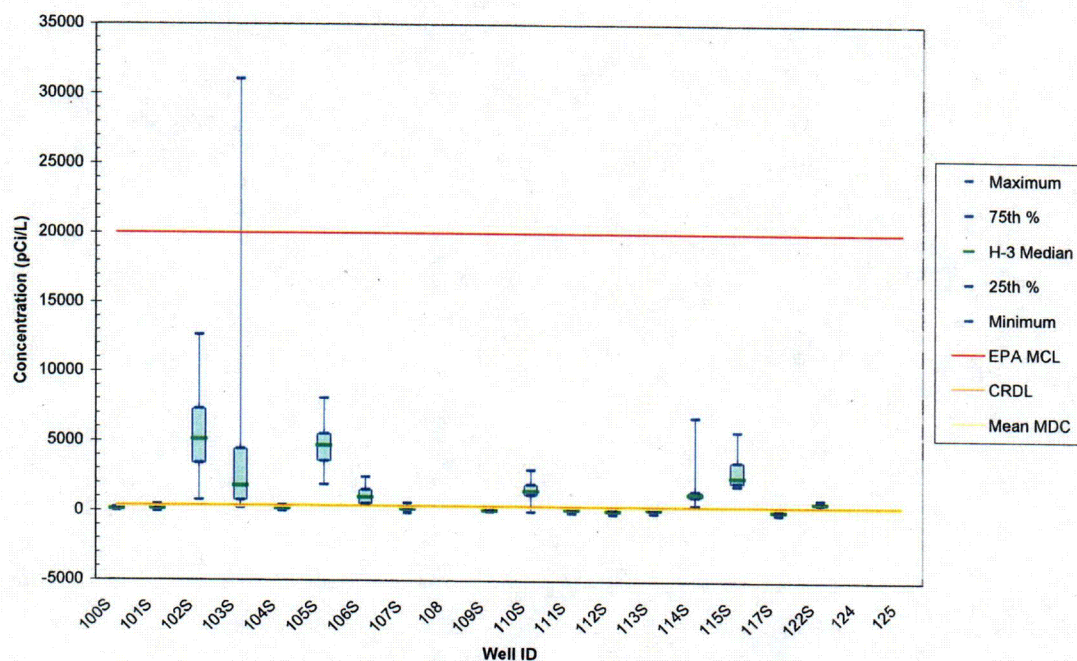


Figure 6-38: Box Plot of H-3 Concentrations in Confined Aquifer

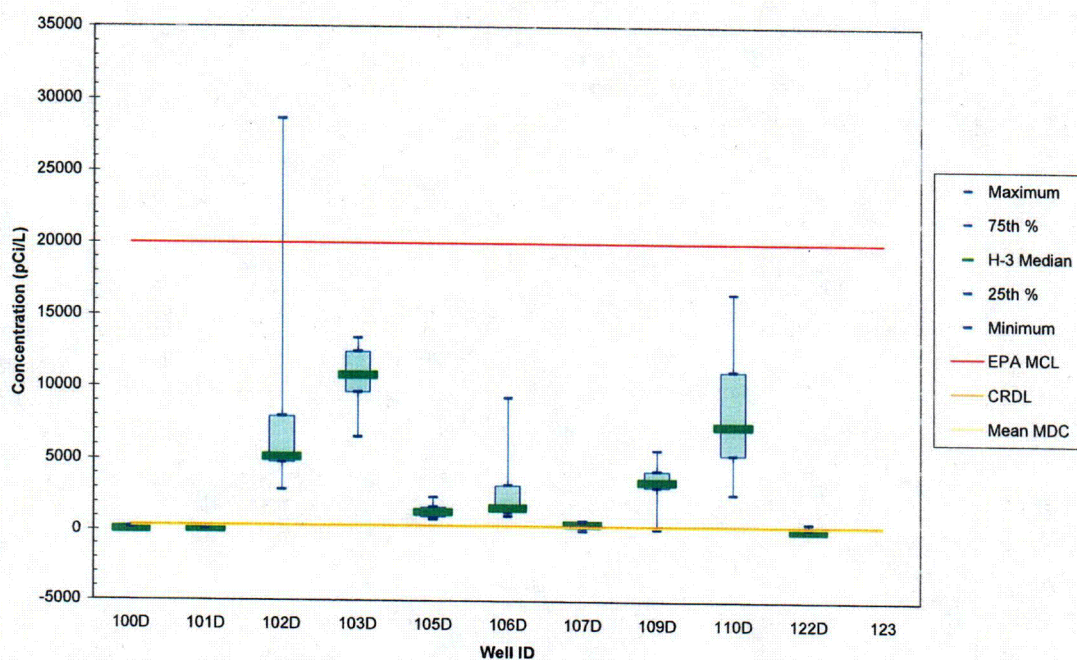


Figure 6-39: H-3 Site-wide Concentration Box Plot

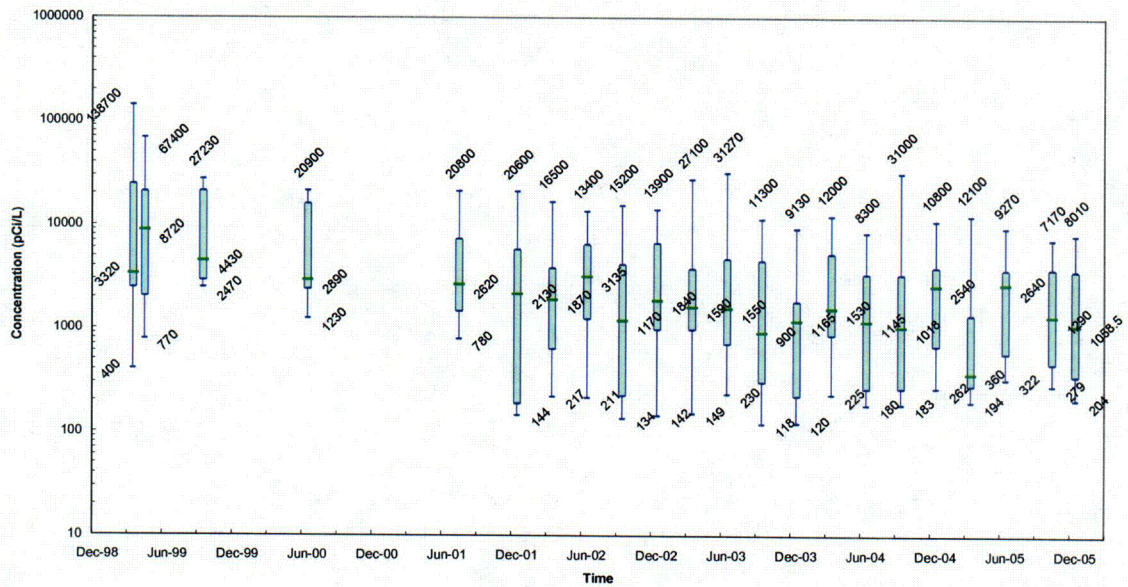


Figure 6-40: Sr-90 Concentration Trend at Well MW105S

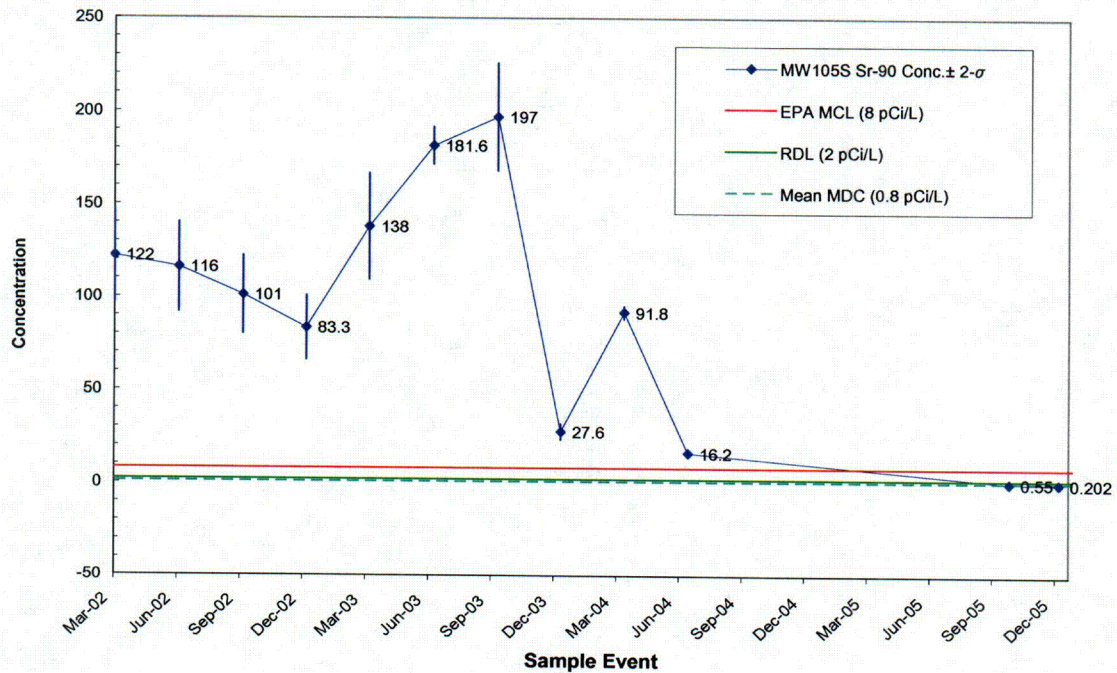


Figure 6-41: Sr-90 Concentration Trend at Cluster Well MW106

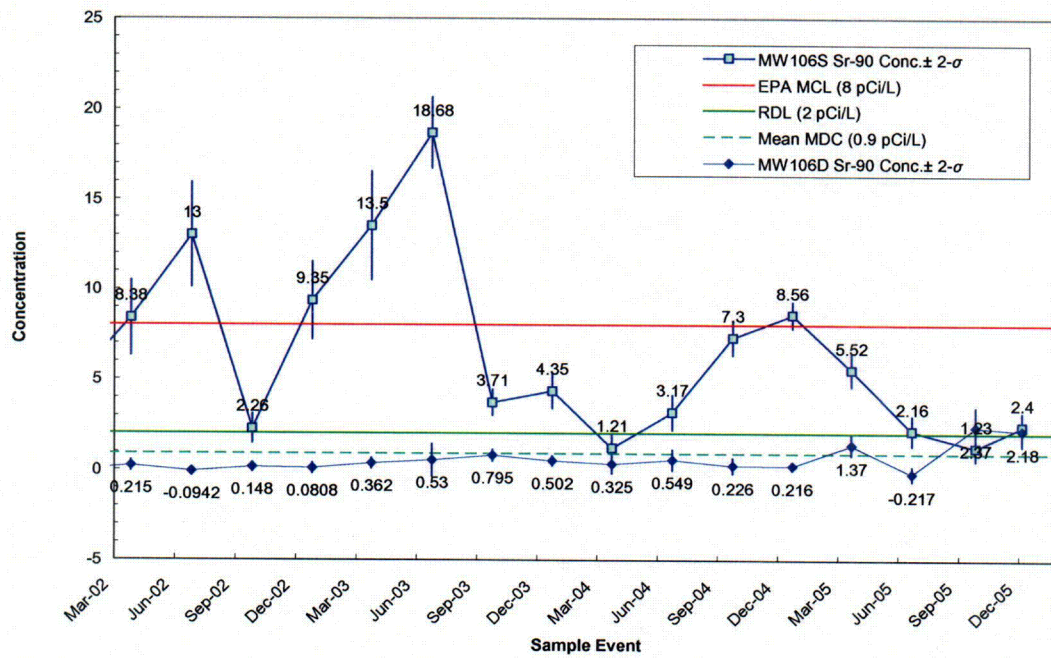


Figure 6-42: Sr-90 Concentration Trend at Cluster Well MW103

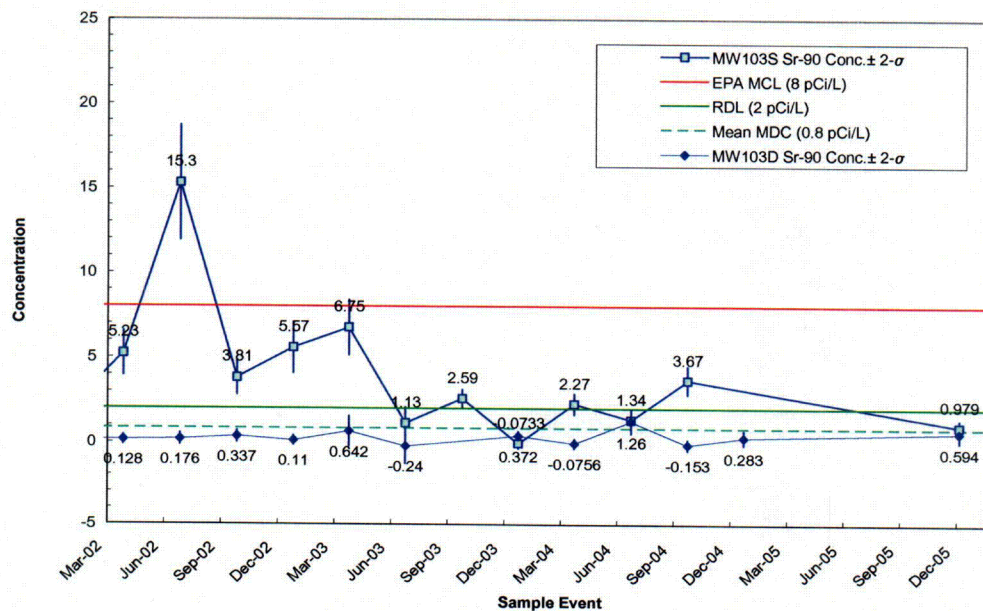


Figure 6-43: Sr-90 Concentration Trend at Well MW104S

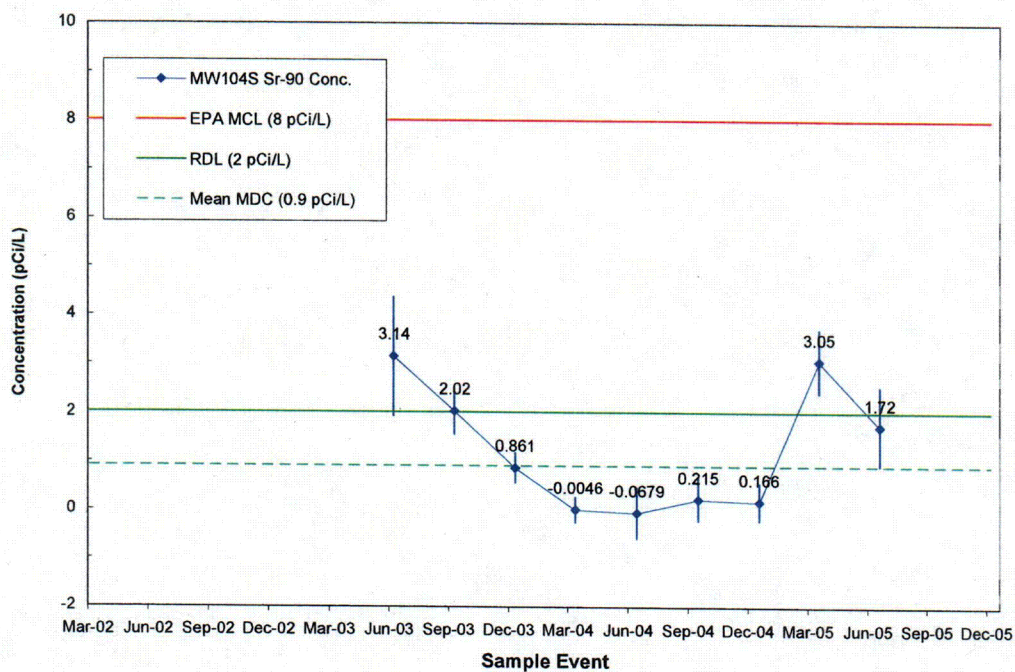


Figure 6-44: Box Plot of Sr-90 Concentrations in Unconfined Aquifer

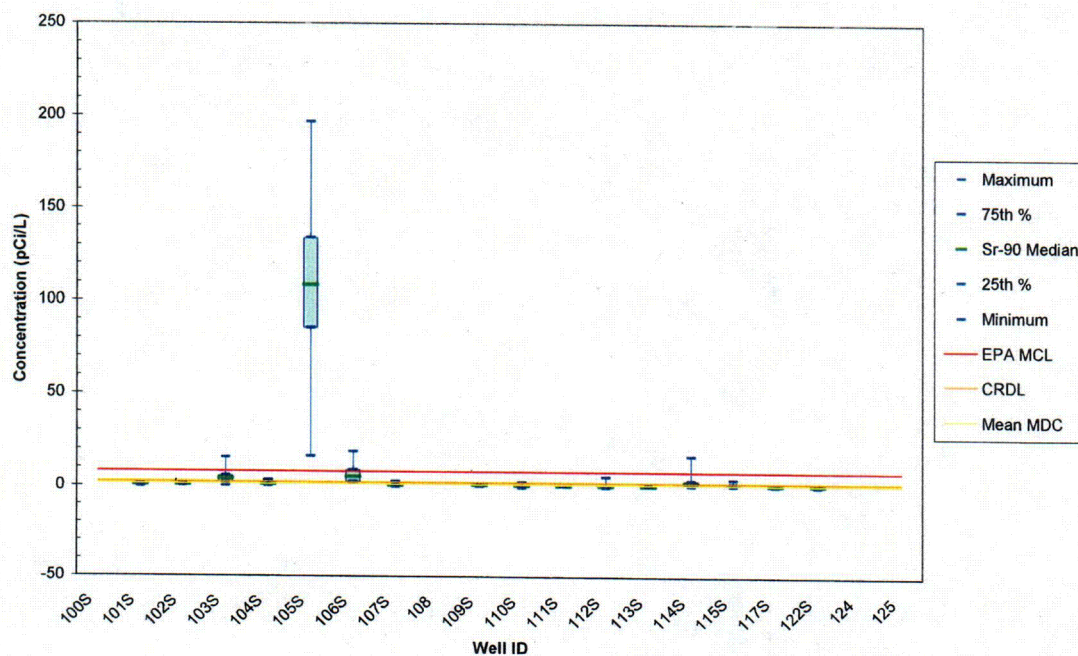


Figure 6-45: Box Plot of Sr-90 in Unconfined Aquifer (Expanded View)

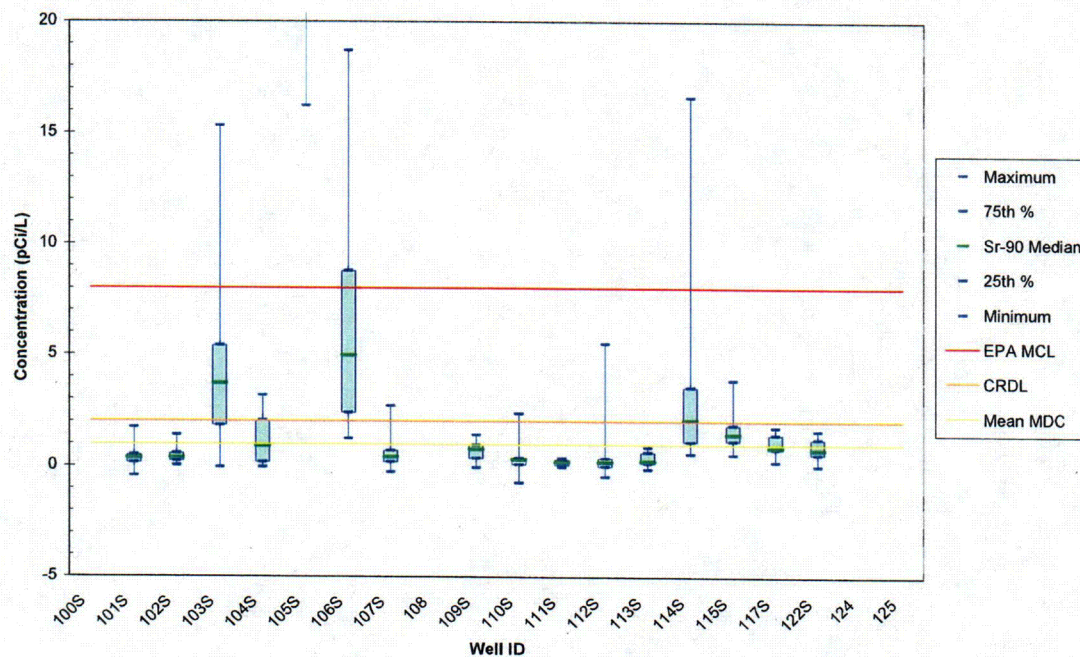


Figure 6-46: Box Plot of Sr-90 Concentrations in Confined Aquifer

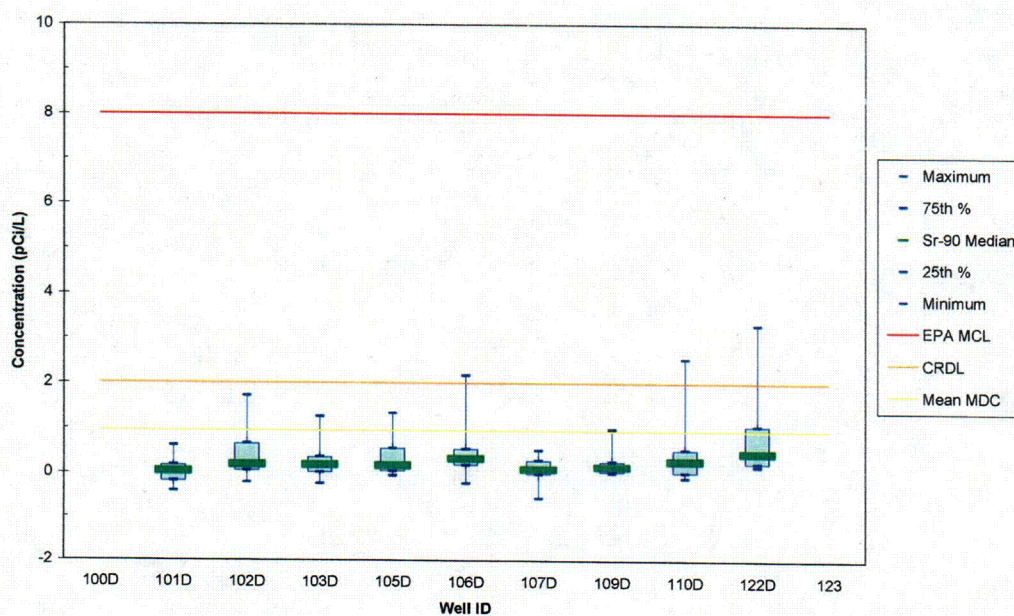


Figure 6-47: Sr-90 Site-wide Concentration Box Plot

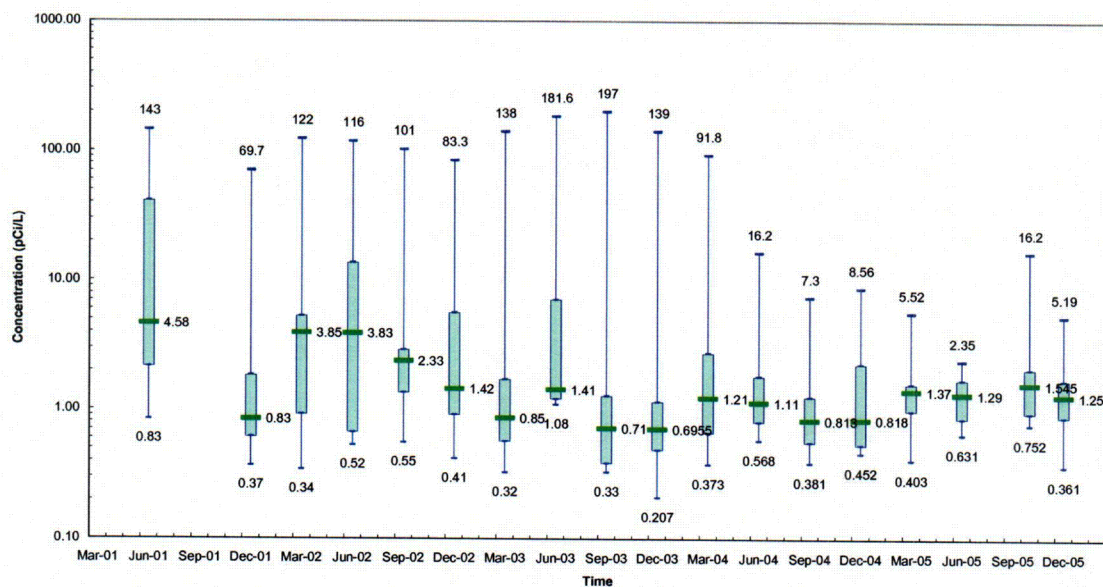


Figure 6-48: Cs-137 Concentration Trend at Cluster Well MW103

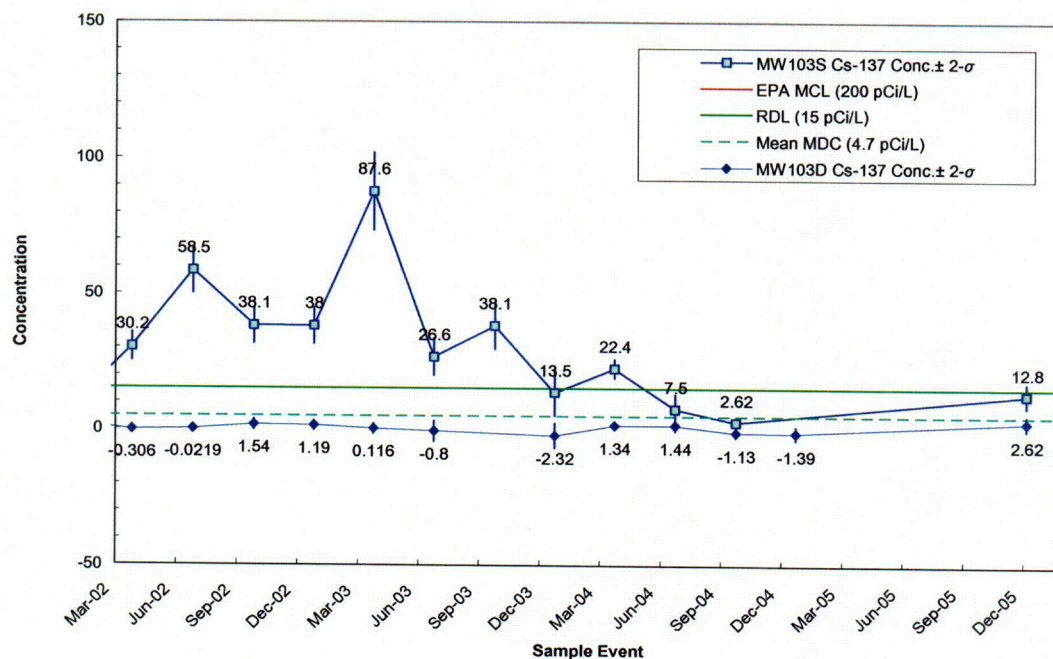


Figure 6-49: Cs-137 Concentration Trend at Well MW115S

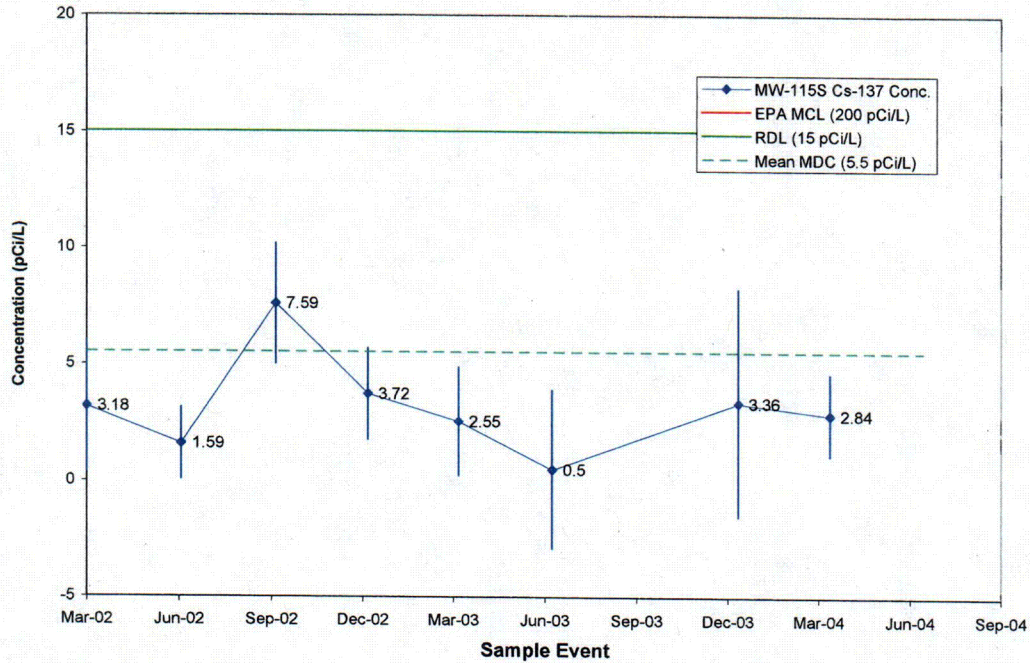


Figure 6-50: Cs-137 Concentration Trend at Cluster Well MW102

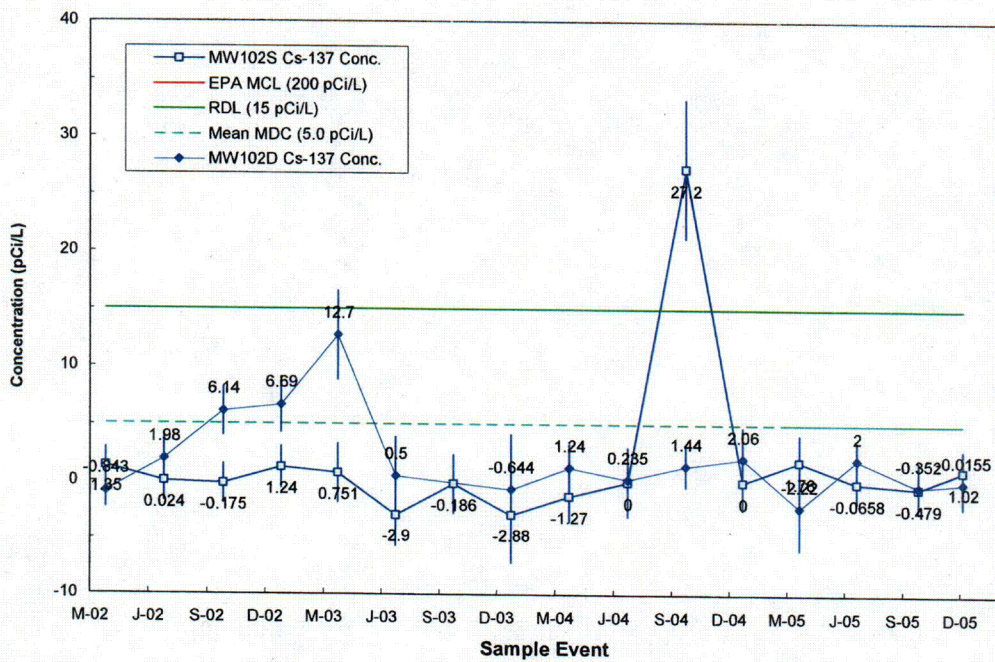


Figure 6-51: Box Plot of Cs-137 Concentrations in Unconfined Aquifer

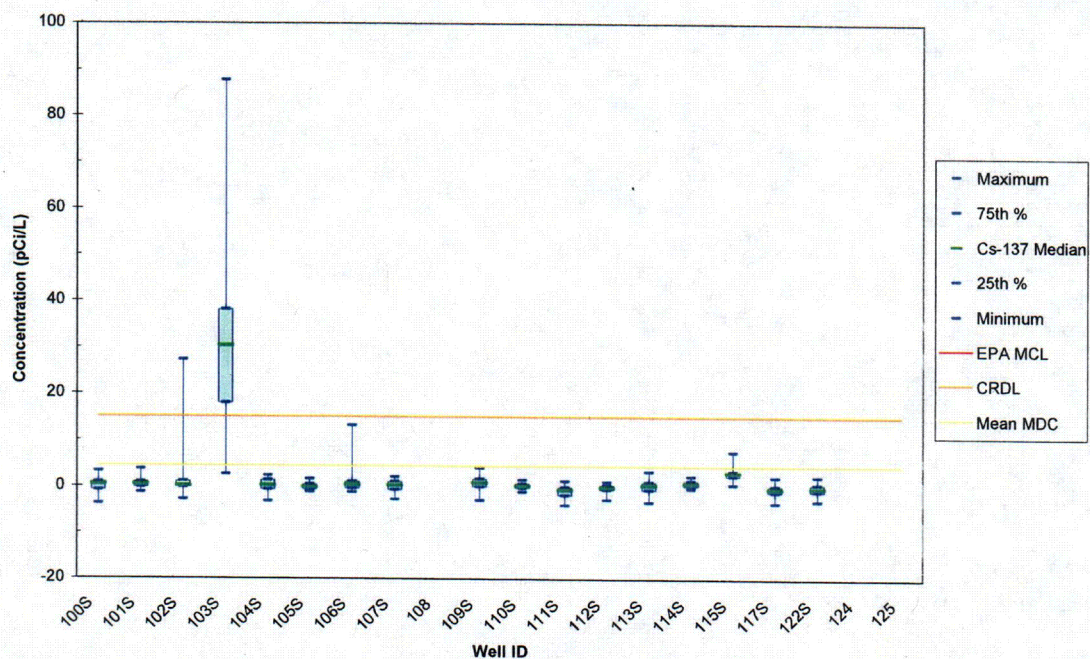


Figure 6-52: Box Plot of Cs-137 Concentrations in Confined Aquifer

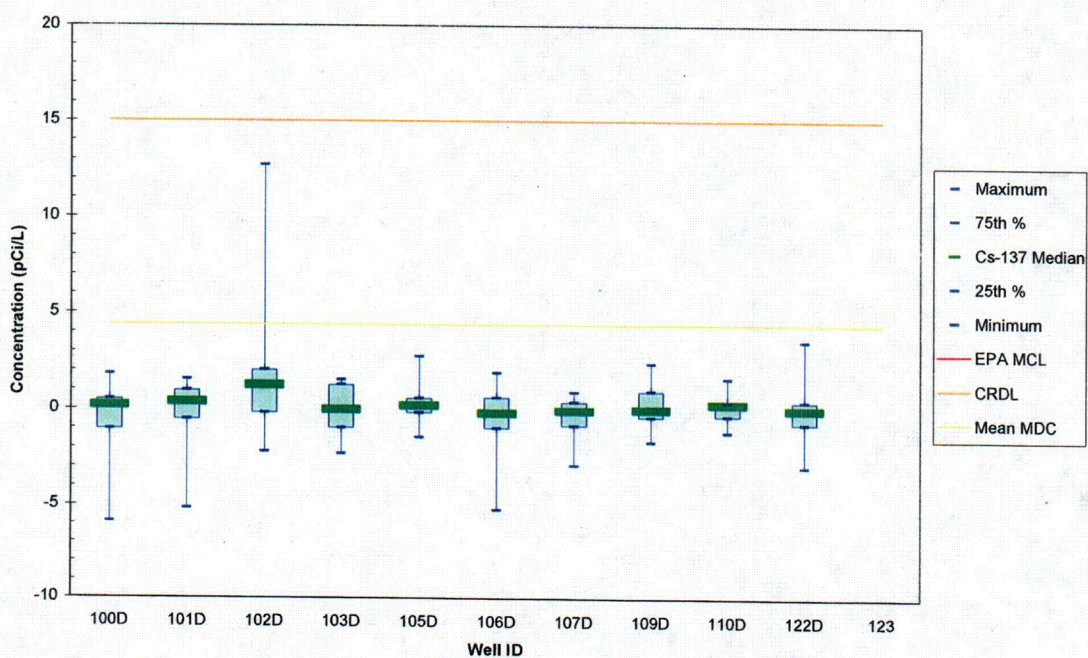


Figure 6-53: Box Plot of Am-241 Concentrations in Unconfined Aquifer

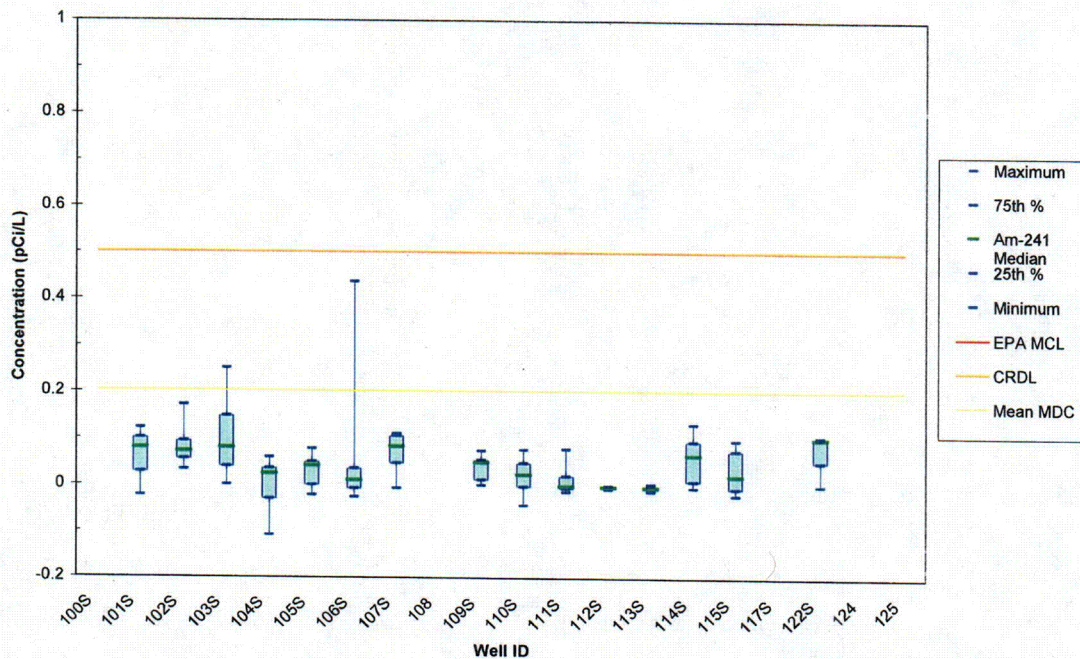


Figure 6-54: Box Plot of Am-241 Concentration in Confined Aquifer

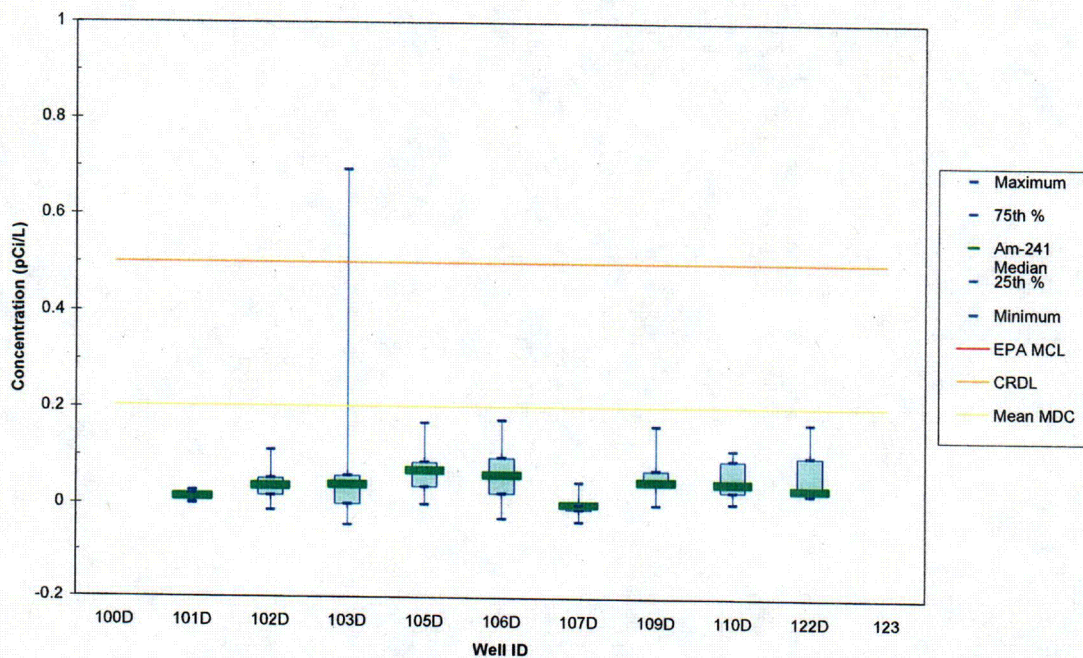


Figure 6-55: Sr-90/Y-90 + Cs-137 versus Gross Beta

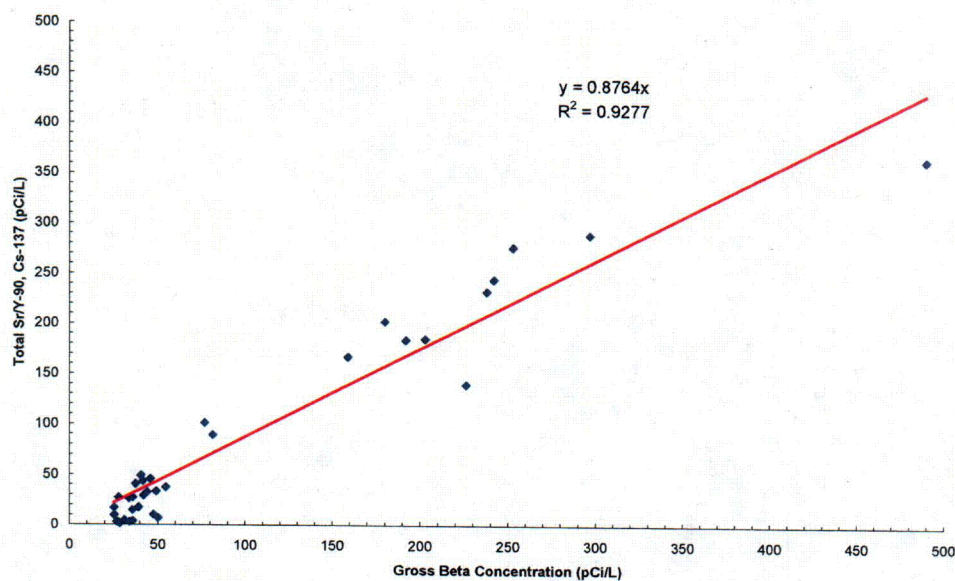


Figure 6-56: Total Uranium vs Gross Alpha

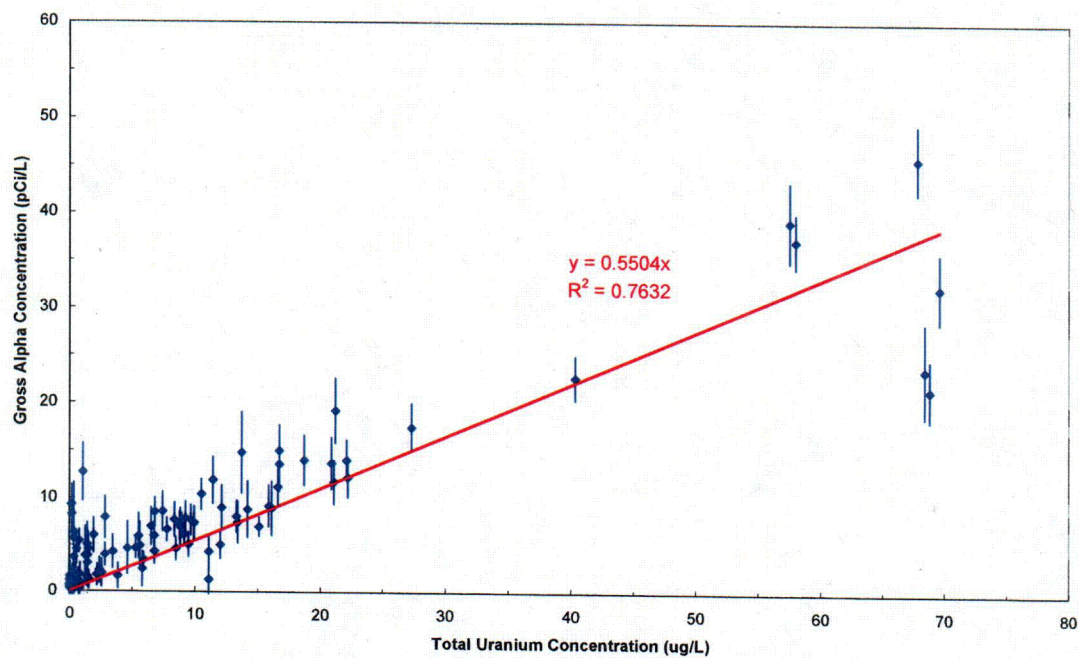


Figure 6-57: Total Uranium vs Gross Alpha

