Click here to return to Main Document Table of Contents

FIGURE 2-25. METALS COMPARISON ALONG RIVER LENGTH

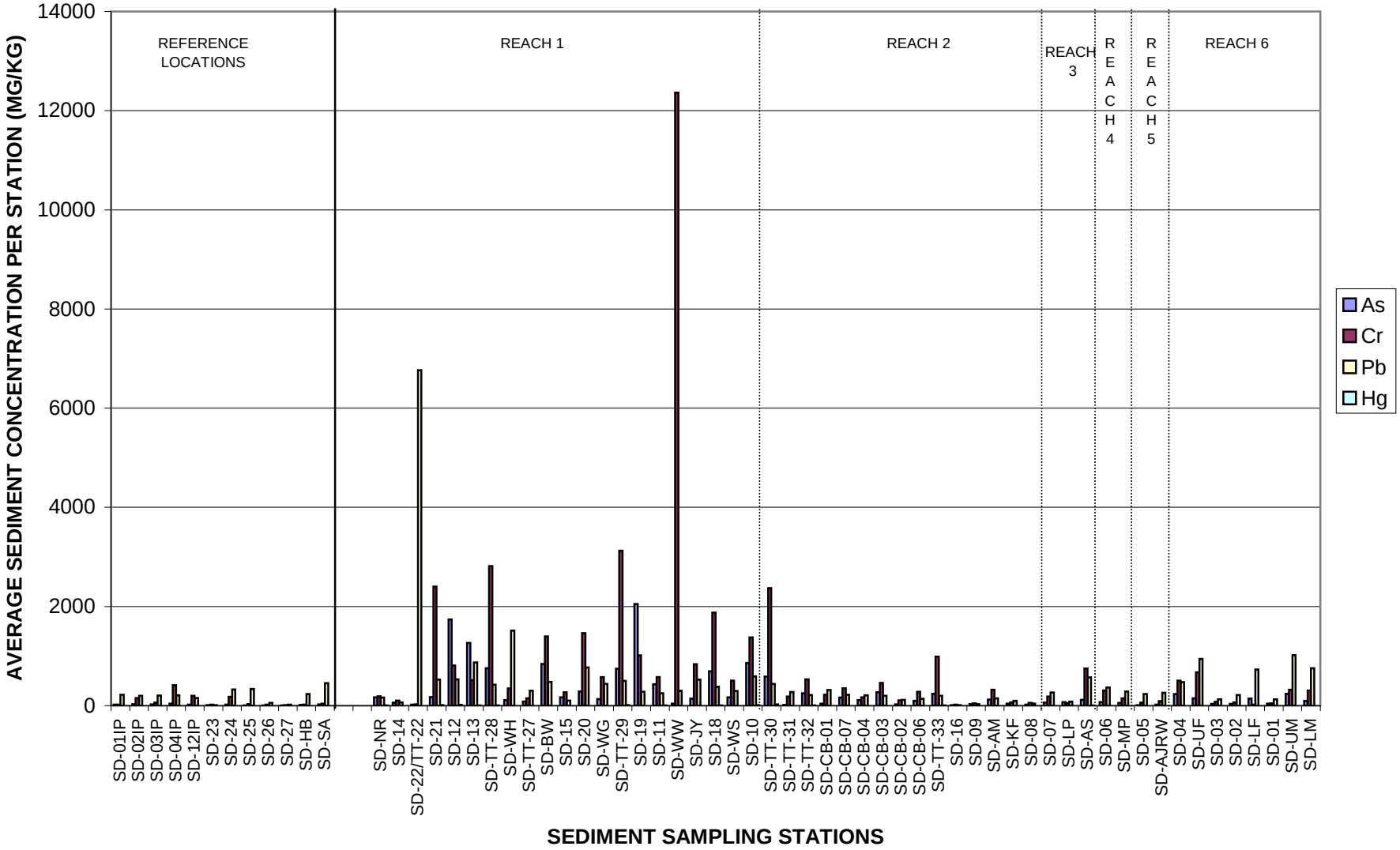


FIGURE 2-26. METALS COMPARISON ALONG RIVER LENGTH - ARSENIC

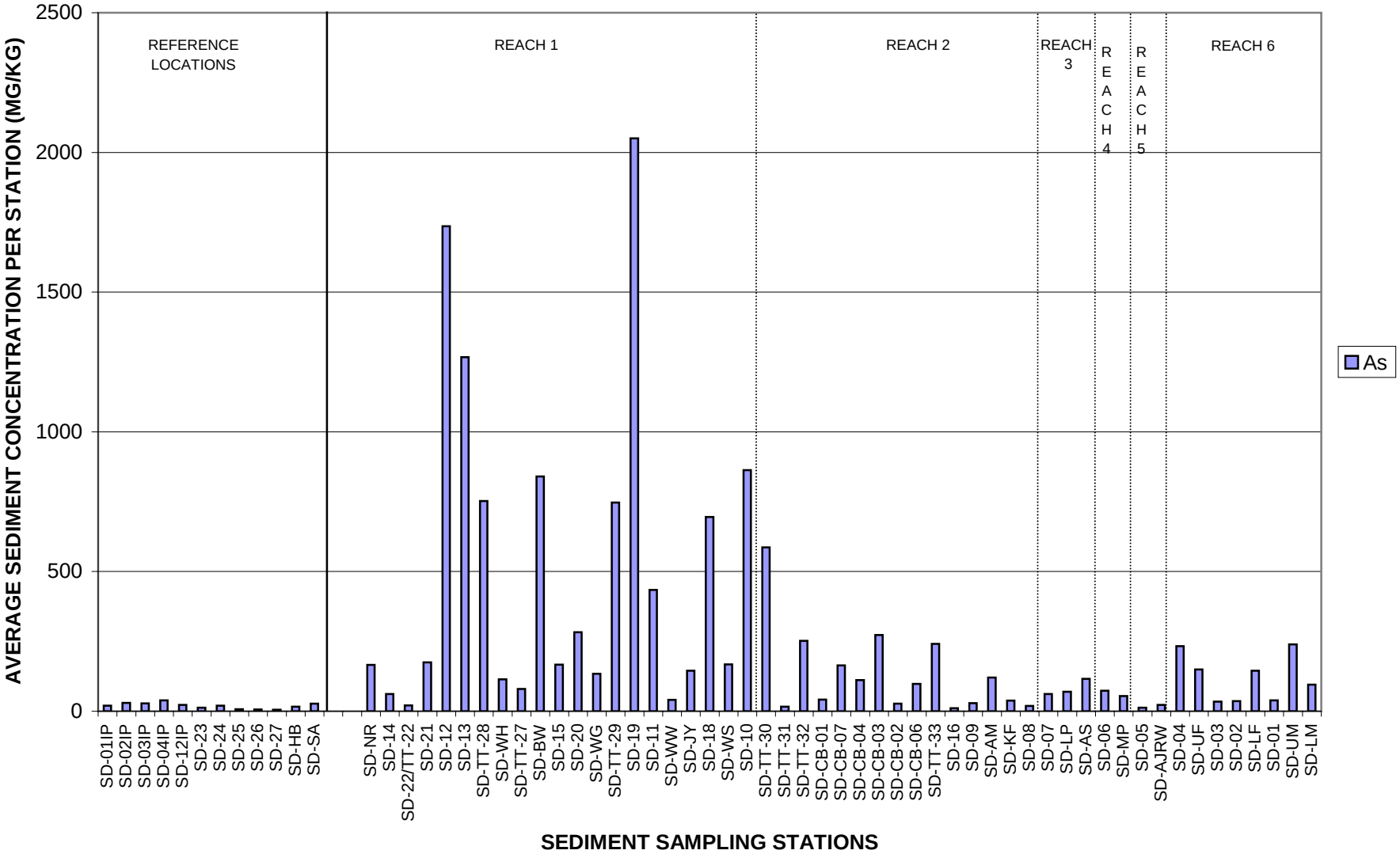


FIGURE 2-27. METALS COMPARISON ALONG RIVER LENGTH - CHROMIUM

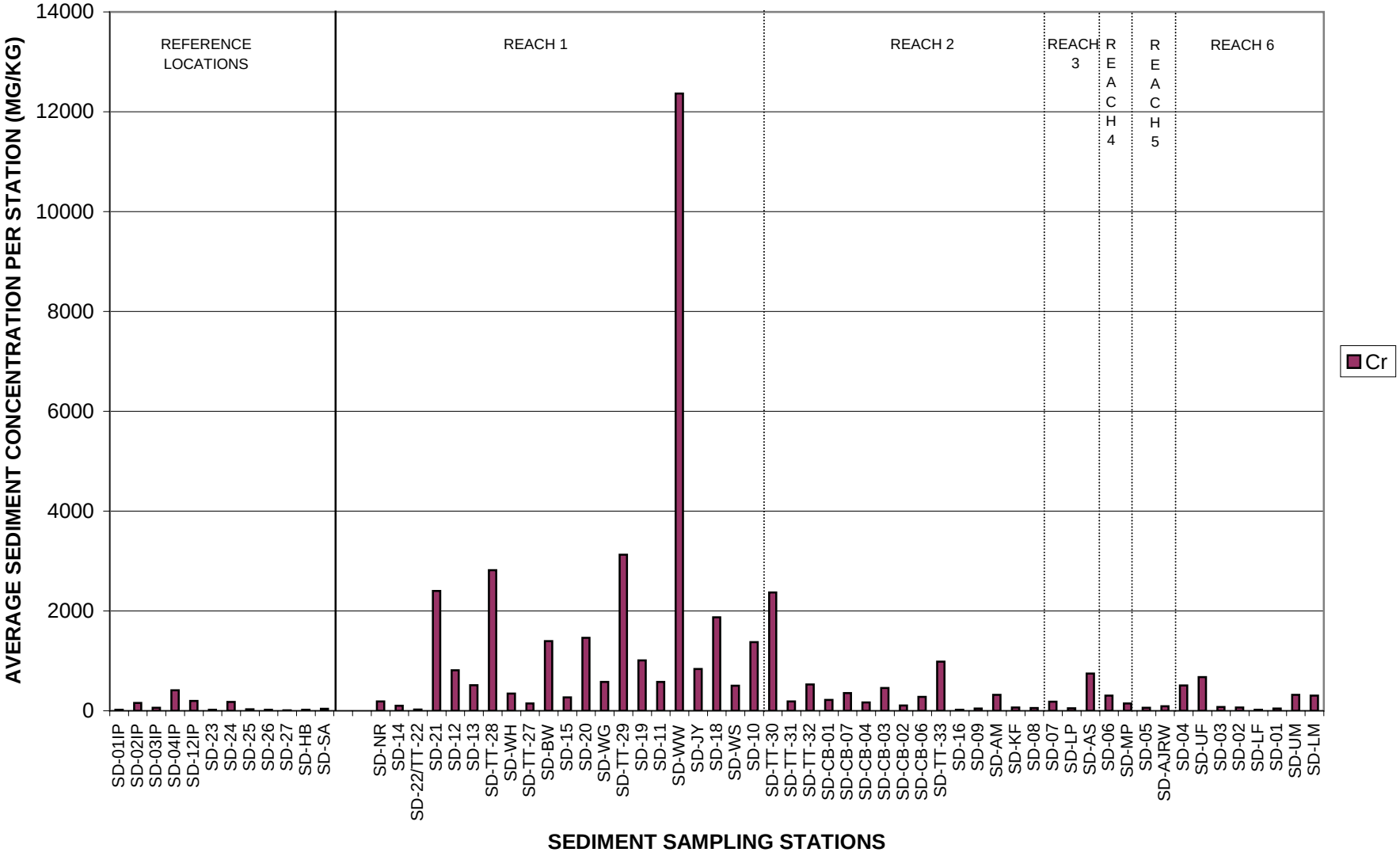


FIGURE 2-28. METALS COMPARISON ALONG RIVER LENGTH - LEAD

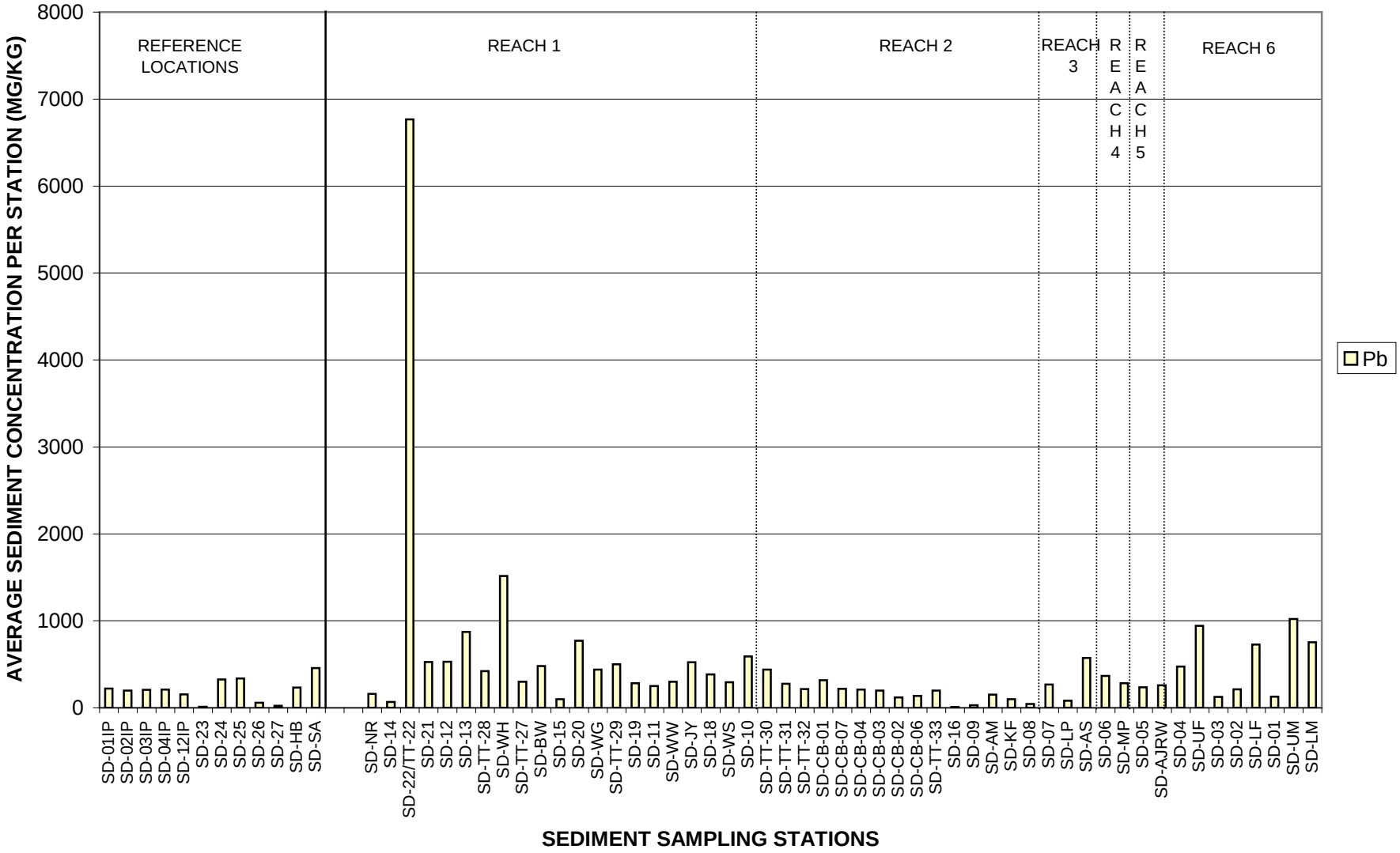
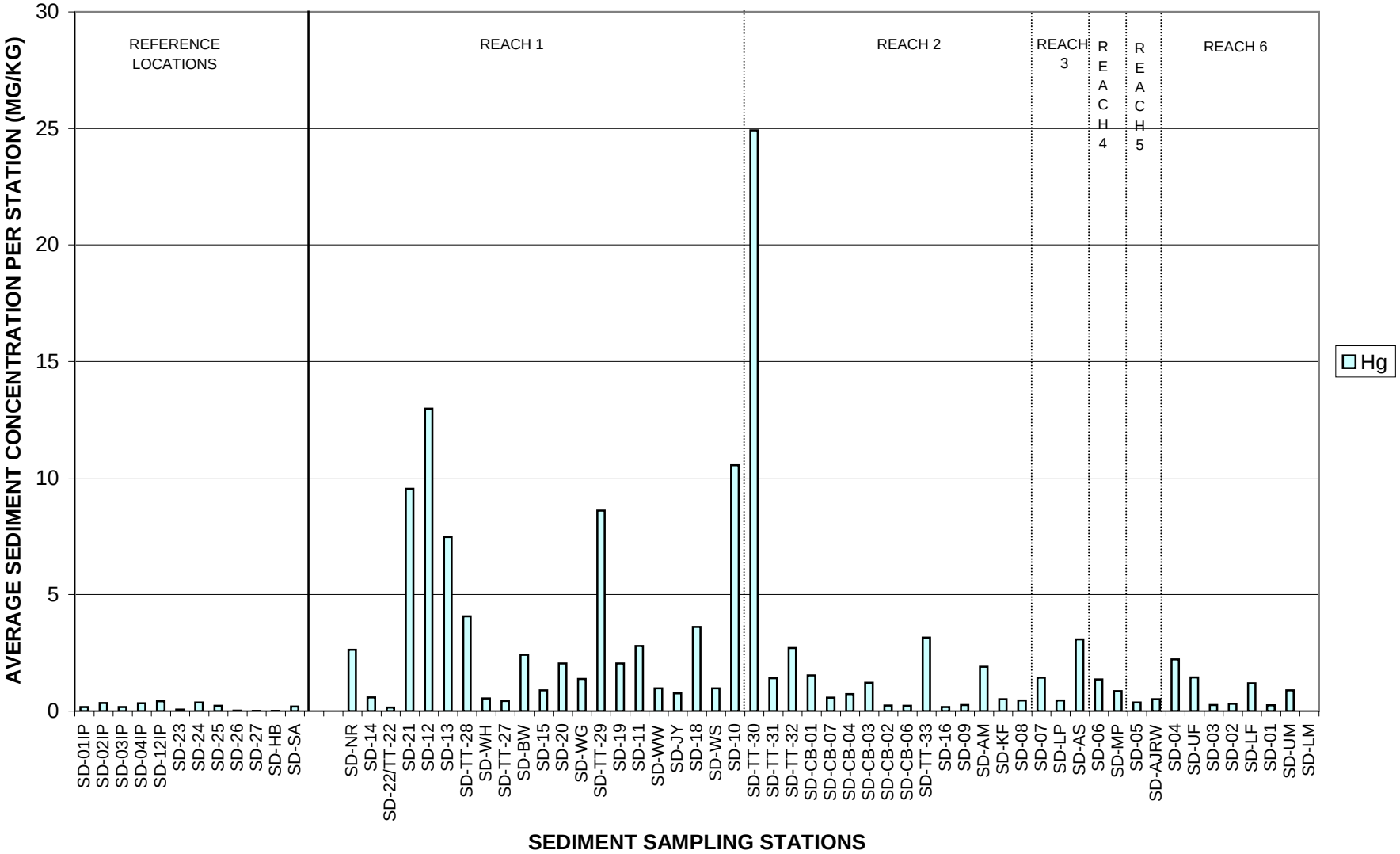
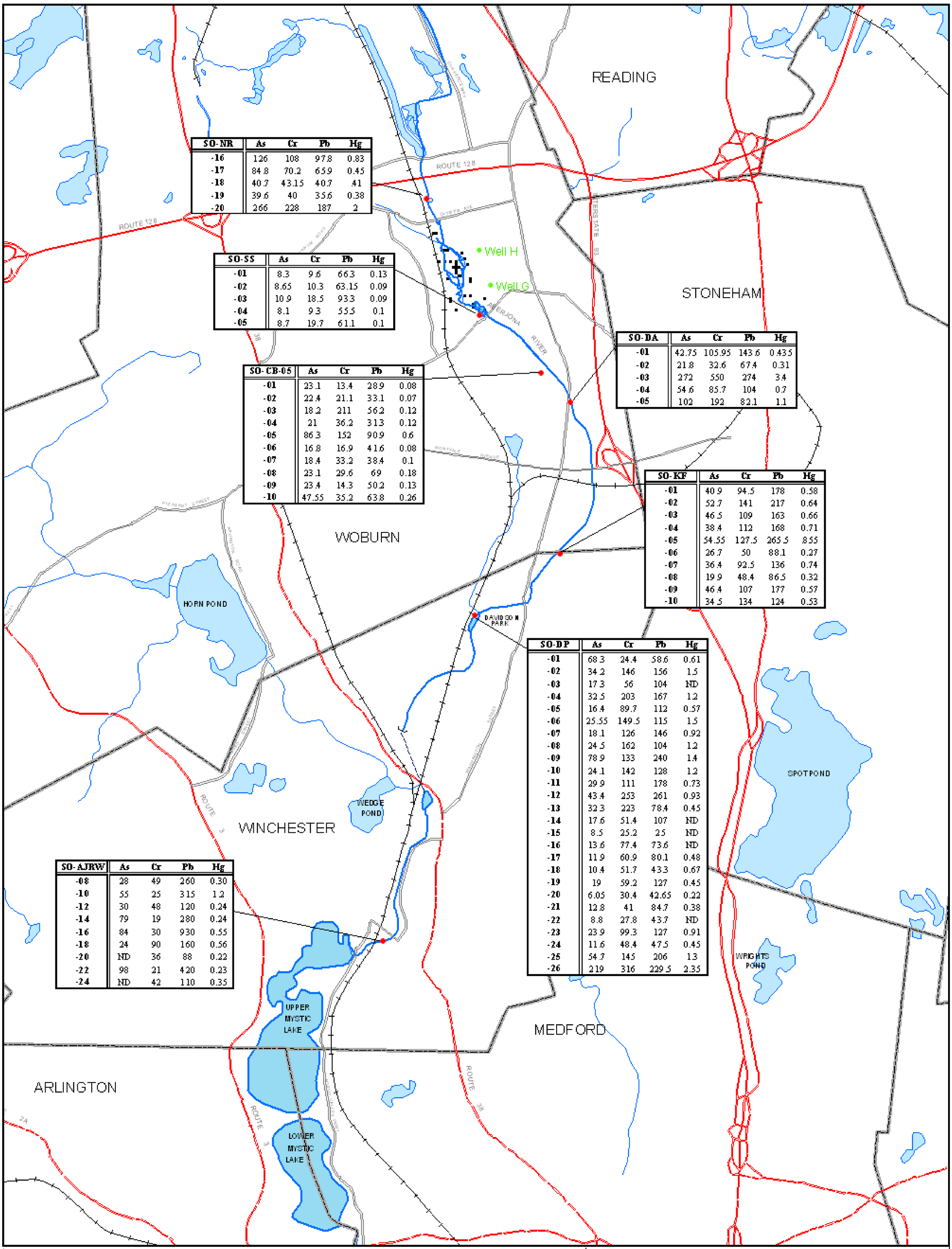


FIGURE 2-29. METALS COMPARISON ALONG RIVER LENGTH - MERCURY





SO-NR	As	Cr	Pb	Hg
-16	126	108	97.8	0.83
-17	84.8	70.2	65.9	0.45
-18	40.7	43.15	40.7	.41
-19	39.6	40	35.6	0.38
-20	266	228	187	2

SO-SS	As	Cr	Pb	Hg
-01	8.3	9.6	66.3	0.13
-02	8.65	10.3	63.15	0.09
-03	10.9	18.5	93.3	0.09
-04	8.1	9.3	55.5	0.1
-05	8.7	19.7	61.1	0.1

SO-CB-05	As	Cr	Pb	Hg
-01	23.1	13.4	28.9	0.08
-02	22.4	21.1	33.1	0.07
-03	18.2	211	56.2	0.12
-04	21	36.2	31.3	0.12
-05	86.3	152	90.9	0.6
-06	16.8	16.9	41.6	0.08
-07	18.4	33.2	38.4	0.1
-08	23.1	29.6	69	0.18
-09	23.4	14.3	50.2	0.13
-10	47.55	35.2	63.8	0.26

SO-DA	As	Cr	Pb	Hg
-01	42.75	105.95	143.6	0.435
-02	21.8	32.6	67.4	0.31
-03	272	550	274	3.4
-04	54.6	85.7	104	0.7
-05	102	192	82.1	1.1

SO-KF	As	Cr	Pb	Hg
-01	40.9	94.5	178	0.58
-02	52.7	141	217	0.64
-03	46.5	109	163	0.66
-04	38.4	112	168	0.71
-05	54.55	127.5	265.5	8.55
-06	26.7	50	88.1	0.27
-07	36.4	92.5	136	0.74
-08	19.9	48.4	86.5	0.32
-09	46.4	107	177	0.57
-10	34.5	134	124	0.53

SO-DP	As	Cr	Pb	Hg
-01	68.3	24.4	58.6	0.61
-02	34.2	146	156	1.5
-03	17.3	56	104	ND
-04	32.5	203	167	1.2
-05	16.4	89.7	112	0.57
-06	25.55	149.5	115	1.5
-07	18.1	126	146	0.92
-08	24.5	162	104	1.2
-09	78.9	133	240	1.4
-10	24.1	142	128	1.2
-11	29.9	111	178	0.73
-12	43.4	253	261	0.93
-13	32.3	223	78.4	0.45
-14	17.6	51.4	107	ND
-15	8.5	25.2	25	ND
-16	13.6	77.4	73.6	ND
-17	11.9	60.9	80.1	0.48
-18	10.4	51.7	43.3	0.67
-19	19	59.2	127	0.45
-20	6.05	30.4	42.65	0.22
-21	12.8	41	84.7	0.38
-22	8.8	27.8	43.7	ND
-23	23.9	99.3	127	0.91
-24	11.6	48.4	47.5	0.45
-25	54.7	145	206	1.3
-26	219	316	229.5	2.35

SO-AJRW	As	Cr	Pb	Hg
-08	28	49	260	0.30
-10	55	25	315	1.2
-12	30	48	120	0.24
-14	79	19	280	0.24
-16	84	30	930	0.55
-18	24	90	160	0.56
-20	ND	36	88	0.22
-22	98	21	420	0.23
-24	ND	42	110	0.35

Legend

- Well Location
- Sample Station
- Aberjona River
- Bodies of Water
- Rail Lines
- Culvert
- Wetlands

Site No.	As Cr Pb Hg
Location Numbers	Concentration of Metal in mg/Kg. ND - Not Detected R - Nondetected Value was Rejected – Not Analyzed

As - Arsenic
Cr - Chromium
Pb - Lead
Hg - Mercury

If one of the metals is not shown, the metal was not detected in any of the soil locations from this site.

N

0 1,250 2,500 5,000 Feet

FIGURE 2-30.
SELECTED METALS DETECTED AT
SOIL SAMPLING STATIONS
WELLS G&H SUPERFUND SITE
ABERJONA RIVER (OPERABLE UNIT 3)

METCALF & EDDY

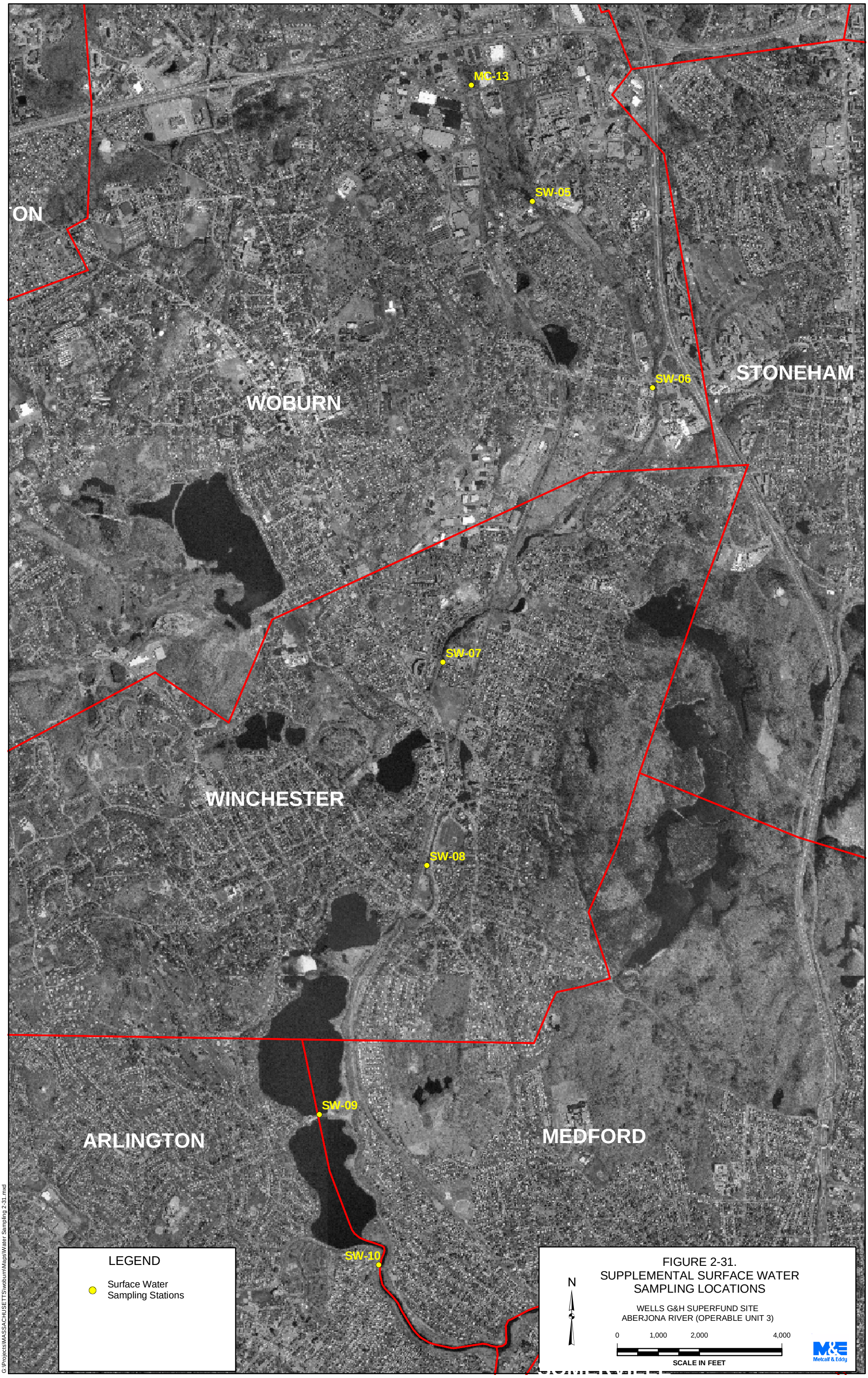
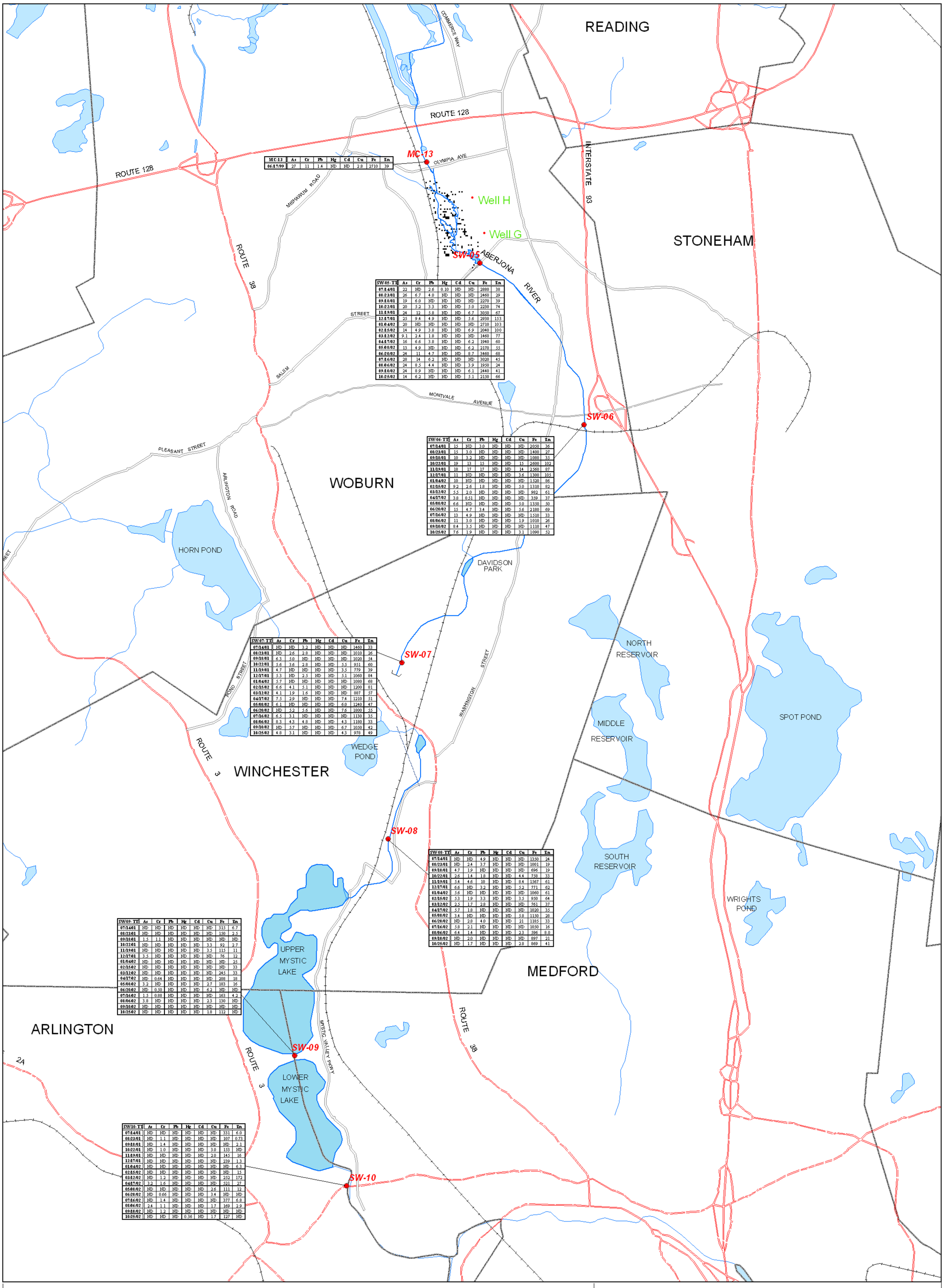


FIGURE 2-31.
SUPPLEMENTAL SURFACE WATER SAMPLING LOCATIONS

WELLS G&H SUPERFUND SITE
ABERJONA RIVER (OPERABLE UNIT 3)



MC-13	As	Cr	Pb	Hg	Cd	Cu	Fe	Zn
06/17/99	27	11	1.4	ND	ND	2.8	2710	39

SW-05-TT	As	Cr	Pb	Hg	Cd	Cu	Fe	Zn
07/14/01	22	ND	2.6	0.10	ND	ND	2880	38
08/23/01	26	6.7	4.0	ND	ND	ND	2460	29
09/18/01	19	6.0	ND	ND	ND	ND	2270	39
10/22/01	20	5.2	3.3	ND	ND	5.0	2230	74
11/19/01	24	12	5.8	ND	ND	6.7	3050	67
12/17/01	25	9.4	4.9	ND	ND	5.6	2930	153
01/04/02	20	ND	ND	ND	ND	ND	2710	103
02/15/02	14	4.9	3.8	ND	ND	6.9	2040	100
03/12/02	9.1	2.4	1.8	ND	ND	ND	1460	77
04/17/02	16	6.6	3.8	ND	ND	6.2	1940	60
05/08/02	13	4.9	ND	ND	ND	6.2	2170	55
06/20/02	24	11	4.7	ND	ND	8.7	3460	68
07/16/02	28	14	6.2	ND	ND	ND	3020	45
08/06/02	24	8.5	4.4	ND	ND	3.9	1950	24
09/10/02	24	8.9	ND	ND	ND	6.1	2440	41
10/25/02	14	6.2	ND	ND	ND	5.1	2150	66

SW-06-TT	As	Cr	Pb	Hg	Cd	Cu	Fe	Zn
07/14/01	15	ND	3.0	ND	ND	ND	2050	36
08/23/01	15	3.0	ND	ND	ND	ND	1400	27
09/18/01	10	3.2	ND	ND	ND	ND	1080	35
10/22/01	19	13	15	ND	ND	15	2600	102
11/19/01	18	17	17	ND	ND	14	2560	87
12/17/01	11	ND	ND	ND	ND	3.6	1300	105
01/04/02	10	ND	ND	ND	ND	ND	1520	86
02/15/02	9.2	2.6	1.8	ND	ND	5.0	1310	82
03/12/02	5.5	2.0	ND	ND	ND	ND	982	61
04/17/02	3.8	0.51	ND	ND	ND	ND	359	37
05/08/02	6.6	ND	ND	ND	ND	5.0	1350	50
06/20/02	15	4.7	3.4	ND	ND	5.6	2180	69
07/16/02	13	4.9	ND	ND	ND	ND	1510	33
08/06/02	11	3.0	ND	ND	ND	1.9	1010	26
09/10/02	8.4	3.5	ND	ND	ND	ND	1110	47
10/25/02	7.6	1.9	ND	ND	ND	3.1	1090	52

SW-07-TT	As	Cr	Pb	Hg	Cd	Cu	Fe	Zn
07/14/01	ND	ND	3.2	ND	ND	ND	1460	33
08/23/01	ND	2.6	2.8	ND	ND	ND	1010	26
09/18/01	6.3	5.0	ND	ND	ND	ND	1020	54
10/22/01	5.6	3.6	2.8	ND	ND	5.5	951	60
11/19/01	4.7	ND	ND	ND	ND	3.5	779	39
12/17/01	5.3	ND	2.5	ND	ND	5.1	1060	84
01/04/02	5.7	ND	ND	ND	ND	ND	1080	68
02/15/02	6.6	4.1	5.1	ND	ND	ND	1200	81
03/12/02	4.1	1.9	1.6	ND	ND	ND	887	57
04/17/02	7.5	2.9	ND	ND	ND	7.4	1210	51
05/08/02	6.1	ND	ND	ND	ND	6.0	1240	47
06/20/02	ND	5.2	5.6	ND	ND	7.6	1800	55
07/16/02	6.5	3.1	ND	ND	ND	ND	1130	35
08/06/02	8.3	4.3	4.8	ND	ND	4.3	1180	33
09/10/02	ND	5.7	ND	ND	ND	6.7	1050	42
10/25/02	4.8	3.1	ND	ND	ND	4.3	978	49

SW-08-TT	As	Cr	Pb	Hg	Cd	Cu	Fe	Zn
07/14/01	ND	ND	4.9	ND	ND	ND	1350	24
08/23/01	ND	2.4	3.7	ND	ND	ND	1001	19
09/18/01	4.7	1.9	ND	ND	ND	ND	696	19
10/22/01	2.6	1.4	1.8	ND	ND	4.4	758	33
11/19/01	5.4	4.6	10	ND	ND	8.4	1567	61
12/17/01	6.6	ND	3.2	ND	ND	5.2	771	62
01/04/02	5.6	ND	ND	ND	ND	ND	1060	61
02/15/02	5.3	1.9	3.3	ND	ND	3.5	950	64
03/12/02	2.5	1.7	2.8	ND	ND	ND	761	37
04/17/02	5.7	1.8	ND	ND	ND	ND	1020	35
05/08/02	3.4	ND	ND	ND	ND	5.8	1150	28
06/20/02	ND	2.8	4.0	ND	ND	21	1185	33
07/16/02	5.8	2.1	ND	ND	ND	ND	1050	16
08/06/02	6.4	1.4	ND	ND	ND	2.3	596	8.0
09/10/02	ND	2.0	ND	ND	ND	ND	897	21
10/25/02	ND	1.7	ND	ND	ND	2.8	869	41

SW-09-TT	As	Cr	Pb	Hg	Cd	Cu	Fe	Zn
07/14/01	ND	ND	ND	ND	ND	ND	315	6.7
08/23/01	ND	ND	ND	ND	ND	ND	150	2.5
09/18/01	1.5	1.1	ND	ND	ND	ND	ND	ND
10/22/01	ND	ND	ND	ND	ND	3.3	92	2.7
11/19/01	ND	ND	ND	ND	ND	3.5	115	11
12/17/01	3.5	ND	ND	ND	ND	ND	76	12
01/04/02	ND	ND	ND	ND	ND	ND	ND	25
02/15/02	ND	ND	ND	ND	ND	ND	ND	33
03/12/02	ND	ND	ND	ND	ND	ND	245	33
04/17/02	ND	0.64	ND	ND	ND	ND	208	18
05/08/02	3.2	ND	ND	ND	ND	2.7	183	16
06/20/02	ND	0.50	ND	ND	ND	6.2	ND	ND
07/16/02	1.5	0.88	ND	ND	ND	ND	163	4.2
08/06/02	3.8	ND	ND	ND	ND	2.3	130	ND
09/10/02	ND	ND	ND	ND	ND	ND	ND	ND
10/25/02	ND	ND	ND	ND	ND	1.8	112	ND

SW-10-TT	As	Cr	Pb	Hg	Cd	Cu	Fe	Zn
07/14/01	ND	ND	ND	ND	ND	ND	331	6.0
08/23/01	ND	1.1	ND	ND	ND	ND	107	0.73
09/18/01	ND	1.4	ND	ND	ND	ND	ND	2.1
10/22/01	ND	1.0	ND	ND	ND	3.0	153	ND
11/19/01	ND	ND	ND	ND	ND	2.0	145	16
12/17/01	ND	ND	ND	ND	ND	ND	239	1.3
01/04/02	ND	ND	ND	ND	ND	ND	ND	6.3
02/15/02	ND	ND	ND	ND	ND	ND	ND	15
03/12/02	ND	1.2	ND	ND	ND	ND	252	172
04/17/02	3.2	1.6	ND	ND	ND	ND	521	27
05/08/02	ND	ND	ND	ND	ND	2.6	111	12
06/20/02	ND	0.66	ND	ND	ND	3.4	ND	ND
07/16/02	ND	1.4	ND	ND	ND	ND	377	6.8
08/06/02	2.4	1.1	ND	ND	ND	1.7	169	2.9
09/10/02	ND	1.2	ND	ND	ND	ND	ND	ND
10/25/02	ND	ND	ND	0.36	ND	1.7	127	ND

Legend

- Well Location
- Sample Station
- Aberjona River
- Bodies of Water
- Rail Lines
- Culvert
- Wetlands

Site No.	Metal
Collection Date	Total concentration of detected analytes in ug/L. ND - Not Detected

As - Arsenic
Cr - Chromium
Pb - Lead
Hg - Mercury
Cd - Cadmium
Cu - Copper
Fe - Iron
Zn - Zinc

N

0 1,250 2,500 5,000 Feet

FIGURE 2-32.
SELECTED METALS DETECTED
AT SURFACE WATER SAMPLING
LOCATIONS-BASEFLOW
WELLS G&H SUPERFUND SITE
ABERJONA RIVER (OPERABLE UNIT 3)

METCALF & EDDY

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