Table D.4-1
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN IN SEDIMENT GRAB SAMPLES - UPPER EASTERN DRAINAGE

Analyte[1]	Number of Samples	Number of Detects	Maximum Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Maximum Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	7	7	20800	29000	No	14000	No	<BKG
Antimony	3	0	ND	0.36	No	2.0	No	ND
Arsenic	7	4	17.8	90	No	9.8	No	<BKG
Barium	7	7	135	300	No	500	No	<BKG
Beryllium	7	5	1.3	4.1	No	0.7	No	<BKG
Cadmium	7	5	0.7	0.70	No	0.99	No	<BKG
Chromium	7	7	24.2	21	No	43	No	<BKG
Cobalt	7	7	23.3	17	Yes	50	No	<SQG
Copper	7	7	29.9	66	No	32	No	<BKG
Iron	7	7	25800	36000	No	200000	No	<BKG
Lead	7	5	15.3	18	No	36	No	<BKG
Magnesium	3	3	6700	4400	No	6100	No	<BKG
Manganese	7	7	2240	1300	No	1700	No	<BKG
Mercury	7	0	ND	0.13	No	0.18	No	ND
Nickel	7	7	34.9	30	No	23	No	<BKG
Selenium	7	0	ND	1.3	No	2.5	No	ND
Silver	7	3	0.66	0.15	No	1.0	No	<BKG
Thallium	7	4	0.19	0.45	No	3.8	No	<BKG
Uranium	5	5	78.5	110	No	21	No	<BKG
Vanadium	3	3	35.5	40	No	NG	No	<BKG
Zinc	7	7	97.7	79	Yes	121	No	<SQG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Two or more results greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-2
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN
IN SEDIMENT GRAB SAMPLES - LOWER EASTERN DRAINAGE

Analyte[1]	Number of Samples	Number of Detects	Maximum Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Maximum Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	4	4	22400	29000	No	14000	No	<BKG
Antimony	2	0	ND	0.36	No	2.0	No	ND
Arsenic	4	3	14.7	90	No	9.8	No	<BKG
Barium	4	4	254	300	No	500	No	<BKG
Beryllium	4	4	3.8	4.1	No	0.7	No	<BKG
Cadmium	4	4	9.6	0.7	Yes	0.99	Yes	>SQG
Chromium	4	4	27	21	Yes	43	No	<SQG
Cobalt	4	4	35.9	17	Yes	50	No	<SQG
Copper	4	4	29.8	66	No	32	No	<BKG
Iron	4	4	21600	36000	No	200000	No	<BKG
Lead	4	3	16.5	18	No	36	No	<BKG
Magnesium	2	2	5450	4400	Yes	6100	No	<SQG
Manganese	4	4	24300	1300	Yes	1700	Yes	>SQG
Mercury	4	0	ND	0.13	No	0.18	No	ND
Nickel	4	4	309	30	Yes	23	Yes	>SQG
Selenium	4	3	16	1.3	Yes	2.5	Yes	>SQG
Silver	4	2	0.1	0.15	No	1.0	No	<BKG
Thallium	4	2	0.18	0.45	No	3.8	No	<BKG
Uranium	4	4	83.8	110	No	21	No	<BKG
Vanadium	2	2	33.8	40	No	NG	No	<BKG
Zinc	4	4	395	79	Yes	121	Yes	>SQG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Two or more results greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-3
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN
IN SEDIMENT GRAB SAMPLES - CENTRAL DRAINAGE

Analyte[1]	Number of Samples	Number of Detects	Maximum Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Maximum Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	2	2	21200	29000	No	14000	No	<BKG
Antimony	2	0	ND	0.36	No	2.0	No	ND
Arsenic	2	2	11.4	90	No	9.8	No	<BKG
Barium	2	2	119	300	No	500	No	<BKG
Beryllium	2	2	4.2	4.1	No	0.7	No	<BKG
Cadmium	2	2	2.8	0.7	Yes	0.99	Yes	>SQG
Chromium	2	2	25	21	No	43	No	<BKG
Cobalt	2	2	99.2	17	Yes	50	Yes	>SQG
Copper	2	2	29.1	66	No	32	No	<BKG
Iron	2	2	21100	36000	No	200000	No	<BKG
Lead	2	2	15	18	No	36	No	<BKG
Magnesium	2	2	5750	4400	No	6100	No	<BKG
Manganese	2	2	4710	1300	No	1700	No	<BKG
Mercury	2	0	ND	0.13	No	0.18	No	ND
Nickel	2	2	230	30	Yes	23	Yes	>SQG
Selenium	2	1	5.2	1.3	No	2.5	No	<BKG[5]
Silver	2	0	ND	0.15	No	1.0	No	ND
Thallium	2	0	ND	0.45	No	3.8	No	ND
Uranium	2	2	3640	110	Yes	21	Yes	>SQG
Vanadium	2	1	28.2	40	No	NG	No	<BKG
Zinc	2	2	598	79	Yes	121	Yes	>SQG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Two or more results greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
5 - Only 1 detected result.
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-4
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN IN SEDIMENT GRAB SAMPLES - UPPER BLUE CREEK

Analyte[1]	Number of Samples	Number of Detects	Maximum Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Maximum Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	10	10	4210	29000	No	14000	No	<BKG
Antimony	1	0	ND	0.36	No	2.0	No	ND
Arsenic	10	4	6	90	No	9.8	No	<BKG
Barium	10	10	71.6	300	No	500	No	<BKG
Beryllium	10	9	0.56	4.1	No	0.7	No	<BKG
Cadmium	10	1	1	0.7	No	0.99	No	<BKG
Chromium	10	10	3.1	21	No	43	No	<BKG
Cobalt	10	10	15	17	No	50	No	<BKG
Copper	10	8	4.1	66	No	32	No	<BKG
Iron	10	10	6720	36000	No	200000	No	<BKG
Lead	10	6	7	18	No	36	No	<BKG
Magnesium	1	1	1020	4400	No	6100	No	<BKG
Manganese	10	10	7480	1300	No	1700	No	<BKG
Mercury	10	0	ND	0.13	No	0.18	No	ND
Nickel	10	8	32	30	No	23	No	<BKG
Selenium	10	0	ND	1.3	No	2.5	No	ND
Silver	10	0	ND	0.15	No	1.0	No	ND
Thallium	10	7	0.2	0.45	No	3.8	No	<BKG
Uranium	8	8	19.7	110	No	21	No	<BKG
Vanadium	1	1	9.2	40	No	NG	No	<BKG
Zinc	10	10	41	79	No	121	No	<BKG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Two or more results greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs)
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-5
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN IN SEDIMENT GRAB SAMPLES - MIDDLE BLUE CREEK

Analyte[1]	Number of Samples	Number of Detects	Maximum Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Maximum Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	17	17	21600	29000	No	14000	No	<BKG
Antimony	5	0	ND	0.36	No	2.0	No	ND
Arsenic	17	10	80	90	No	9.8	No	<BKG
Barium	17	17	663	300	No	500	No	<BKG
Beryllium	17	14	2.68	4.1	No	0.7	No	<BKG
Cadmium	17	16	9.6	0.7	Yes	0.99	Yes	>SQG
Chromium	17	17	13	21	No	43	No	<BKG
Cobalt	17	17	139	17	No	50	No	<BKG
Copper	17	17	20	66	No	32	No	<BKG
Iron	17	17	30500	36000	No	200000	No	<BKG
Lead	17	12	13.3	18	No	36	No	<BKG
Magnesium	5	5	3220	4400	No	6100	No	<BKG
Manganese	17	17	63300	1300	Yes	1700	Yes	>SQG
Mercury	17	1	0.03	0.13	No	0.18	No	<BKG[5]
Nickel	17	17	460	30	Yes	23	Yes	>SQG
Selenium	17	2	1.4	1.3	Yes	2.5	No	<SQG
Silver	17	1	0.09	0.15	No	1.0	No	<BKG[5]
Thallium	17	3	0.47	0.45	No	3.8	No	<BKG
Uranium	12	12	47	110	No	21	No	<BKG
Vanadium	5	5	25.9	40	No	NG	No	<BKG
Zinc	17	17	520	79	No	121	No	<BKG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Two or more results greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
5 - Only 1 detected result.
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-6
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN
IN SEDIMENT GRAB SAMPLES - LOWER BLUE CREEK

Analyte[1]	Number of Samples	Number of Detects	Maximum Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Maximum Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	4	4	17500	29000	No	14000	No	<BKG
Antimony	4	0	ND	0.36	No	2.0	No	ND
Arsenic	4	4	11.9	90	No	9.8	No	<BKG
Barium	4	4	138	300	No	500	No	<BKG
Beryllium	4	4	1.4	4.1	No	0.7	No	<BKG
Cadmium	4	1	1	0.7	No	0.99	No	<BKG[5]
Chromium	4	4	11.1	21	No	43	No	<BKG
Cobalt	4	4	16.5	17	No	50	No	<BKG
Copper	4	4	16.2	66	No	32	No	<BKG
Iron	4	4	17400	36000	No	200000	No	<BKG
Lead	4	4	10.8	18	No	36	No	<BKG
Magnesium	4	4	6480	4400	Yes	6100	Yes	>SQG
Manganese	4	4	3670	1300	No	1700	No	<BKG
Mercury	4	0	ND	0.13	No	0.18	No	ND
Nickel	4	4	51.4	30	No	23	No	<BKG
Selenium	4	0	ND	1.3	No	2.5	No	ND
Silver	4	0	ND	0.15	No	1.0	No	ND
Thallium	4	0	ND	0.45	No	3.8	No	ND
Uranium	4	4	28.6	110	No	21	No	<BKG
Vanadium	4	4	23.3	40	No	NG	No	<BKG
Zinc	4	4	118	79	No	121	No	<BKG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Two or more results greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
5 - Only 1 detected result.
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-7
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN
IN SEDIMENT GRAB SAMPLES - FRANKLIN D. ROOSEVELT LAKE

Analyte[1]	Number of Samples	Number of Detects	Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Result Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	1	1	9600	29000	No	14000	No	<BKG
Antimony	1	0	ND	0.36	No	2.0	No	ND
Arsenic	1	1	12.8	90	No	9.8	No	<BKG
Barium	1	1	79.9	300	No	500	No	<BKG
Beryllium	1	1	0.37	4.1	No	0.7	No	<BKG
Cadmium	1	0	ND	0.7	No	0.99	No	ND
Chromium	1	1	17.3	21	No	43	No	<BKG
Cobalt	1	1	6.9	17	No	50	No	<BKG
Copper	1	1	11.3	66	No	32	No	<BKG
Iron	1	1	20800	36000	No	200000	No	<BKG
Lead	1	1	13.7	18	No	36	No	<BKG
Magnesium	1	1	6170	4400	Yes	6100	Yes	>SQG
Manganese	1	1	274	1300	No	1700	No	<BKG
Mercury	1	0	ND	0.13	No	0.18	No	ND
Nickel	1	1	11.5	30	No	23	No	<BKG
Selenium	1	0	ND	1.3	No	2.5	No	ND
Silver	1	0	ND	0.15	No	1.0	No	ND
Thallium	1	0	ND	0.45	No	3.8	No	ND
Uranium	1	1	2.6	110	No	21	No	<BKG
Vanadium	1	1	25.1	40	No	NG	No	<BKG
Zinc	1	1	154	79	Yes	121	Yes	>SQG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Result is greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-8
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN
IN SEDIMENT GRAB SAMPLES - PIT 3

Analyte[1]	Number of Samples	Number of Detects	Maximum Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Maximum Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	2	2	31300	29000	No	14000	No	<BKG
Antimony	2	0	ND	0.36	No	2.0	No	ND
Arsenic	2	2	54.7	90	No	9.8	No	<BKG
Barium	2	2	516	300	No	500	No	<BKG
Beryllium	2	2	7	4.1	Yes	0.7	Yes	>SQG
Cadmium	2	0	ND	0.7	No	0.99	No	ND
Chromium	2	2	19.6	21	No	43	No	<BKG
Cobalt	2	2	62.1	17	Yes	50	Yes	>SQG
Copper	2	2	102	66	No	32	No	<BKG
Iron	2	2	32300	36000	No	200000	No	<BKG
Lead	2	2	25.2	18	No	36	No	<BKG
Magnesium	2	2	11100	4400	No	6100	No	<BKG
Manganese	2	2	1350	1300	No	1700	No	<BKG
Mercury	2	0	ND	0.13	No	0.18	No	ND
Nickel	2	2	87.6	30	Yes	23	Yes	>SQG
Selenium	2	0	ND	1.3	No	2.5	No	ND
Silver	2	0	ND	0.15	No	1.0	No	ND
Thallium	2	0	ND	0.45	No	3.8	No	ND
Uranium	2	2	917	110	Yes	21	Yes	>SQG
Vanadium	2	2	41.2	40	No	NG	No	<BKG
Zinc	2	2	315	79	Yes	121	Yes	>SQG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Two or more results greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-9
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN
IN SEDIMENT GRAB SAMPLES - PIT 4

Analyte[1]	Number of Samples	Number of Detects	Maximum Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Maximum Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	3	3	29900	29000	No	14000	No	<BKG
Antimony	3	0	ND	0.36	No	2.0	No	ND
Arsenic	3	3	25.4	90	No	9.8	No	<BKG
Barium	3	3	131	300	No	500	No	<BKG
Beryllium	3	3	3.6	4.1	No	0.7	No	<BKG
Cadmium	3	0	ND	0.7	No	0.99	No	ND
Chromium	3	3	30.5	21	No	43	No	<BKG
Cobalt	3	3	23.1	17	Yes	50	No	<SQG
Copper	3	3	26.7	66	No	32	No	<BKG
Iron	3	3	35200	36000	No	200000	No	<BKG
Lead	3	3	29.7	18	No	36	No	<BKG
Magnesium	3	3	7130	4400	Yes	6100	Yes	>SQG
Manganese	3	3	1820	1300	No	1700	No	<BKG
Mercury	3	0	ND	0.13	No	0.18	No	ND
Nickel	3	3	38.6	30	Yes	23	Yes	>SQG
Selenium	3	0	ND	1.3	No	2.5	No	ND
Silver	3	0	ND	0.15	No	1.0	No	ND
Thallium	3	1	2.1	0.45	No	3.8	No	<BKG[5]
Uranium	3	3	772	110	Yes	21	Yes	>SQG
Vanadium	3	3	46.1	40	No	NG	No	<BKG
Zinc	3	3	79.8	79	No	121	No	<BKG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Two or more results greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
5 - Only 1 detected result.
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-10
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN
IN SEDIMENT GRAB SAMPLES - POLLUTION CONTROL POND

Analyte[1]	Number of Samples	Number of Detects	Maximum Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Maximum Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	2	2	160000	29000	No	14000	No	<BKG
Antimony	2	0	ND	0.36	No	2.0	No	ND
Arsenic	2	2	25.6	90	No	9.8	No	<BKG
Barium	2	2	689	300	No	500	No	<BKG
Beryllium	2	2	29.8	4.1	No	0.7	No	<BKG
Cadmium	2	1	11.2	0.7	No	0.99	No	<BKG[5]
Chromium	2	2	30.4	21	No	43	No	<BKG
Cobalt	2	2	166	17	No	50	No	<BKG
Copper	2	2	751	66	No	32	No	<BKG
Iron	2	2	16900	36000	No	200000	No	<BKG
Lead	2	2	25.4	18	No	36	No	<BKG
Magnesium	2	2	9570	4400	No	6100	No	<BKG
Manganese	2	2	4330	1300	No	1700	No	<BKG
Mercury	2	0	ND	0.13	No	0.18	No	ND
Nickel	2	2	757	30	No	23	No	<BKG
Selenium	2	0	ND	1.3	No	2.5	No	ND
Silver	2	0	ND	0.15	No	1.0	No	ND
Thallium	2	0	ND	0.45	No	3.8	No	ND
Uranium	2	2	5780	110	Yes	21	Yes	>SQG
Vanadium	2	1	16.3	40	No	NG	No	<BKG[5]
Zinc	2	2	995	79	No	121	No	<BKG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Two or more results greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
5 - Only 1 detected result.
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-11
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN IN SEDIMENT GRAB SAMPLES - WESTERN DRAINAGE

Analyte[1]	Number of Samples	Number of Detects	Maximum Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Maximum Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	9	9	15700	29000	No	14000	No	<BKG
Antimony	3	0	ND	0.36	No	2.0	No	ND
Arsenic	9	3	5.8	90	No	9.8	No	<BKG
Barium	9	9	76.3	300	No	500	No	<BKG
Beryllium	9	9	4.14	4.1	No	0.7	No	<BKG
Cadmium	9	6	1	0.7	Yes	0.99	Yes	>SQG
Chromium	9	9	7.3	21	No	43	No	<BKG
Cobalt	9	9	11.2	17	No	50	No	<BKG
Copper	9	9	20.4	66	No	32	No	<BKG
Iron	9	9	15400	36000	No	200000	No	<BKG
Lead	9	9	20	18	No	36	No	<BKG
Magnesium	3	3	1950	4400	No	6100	No	<BKG
Manganese	9	9	3130	1300	Yes	1700	Yes	>SQG
Mercury	9	1	0.02	0.13	No	0.18	No	<BKG[5]
Nickel	9	9	28	30	No	23	No	<BKG
Selenium	9	1	4	1.3	No	2.5	No	<BKG[5]
Silver	9	6	0.14	0.15	No	1.0	No	<BKG
Thallium	9	6	0.19	0.45	No	3.8	No	<BKG
Uranium	7	7	293	110	Yes	21	Yes	>SQG
Vanadium	3	3	12.8	40	No	NG	No	<BKG
Zinc	9	9	93	79	No	121	No	<BKG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Two or more results greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
5 - Only 1 detected result.
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-12
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN
IN SEDIMENT GRAB SAMPLES - OUTFALL POND

Analyte[1]	Number of Samples	Number of Detects	Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Result Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	1	1	20100	29000	No	14000	No	<BKG
Antimony	1	1	1.8	0.36	Yes	2.0	No	<SQG
Arsenic	1	1	82.1	90	No	9.8	No	<BKG
Barium	1	1	112	300	No	500	No	<BKG
Beryllium	1	0	ND	4.1	No	0.7	No	ND
Cadmium	1	1	0.75	0.7	Yes	0.99	No	<SQG
Chromium	1	1	39.2	21	Yes	43	No	<SQG
Cobalt	1	1	23.1	17	Yes	50	No	<SQG
Copper	1	1	57.5	66	No	32	No	<BKG
Iron	1	1	33800	36000	No	200000	No	<BKG
Lead	1	1	32.7	18	Yes	36	No	<SQG
Magnesium	1	1	7410	4400	Yes	6100	Yes	>SQG
Manganese	1	1	3090	1300	Yes	1700	Yes	>SQG
Mercury	1	0	ND	0.13	No	0.18	No	ND
Nickel	1	1	37.1	30	Yes	23	Yes	>SQG
Selenium	1	0	ND	1.3	No	2.5	No	ND
Silver	1	0	ND	0.15	No	1.0	No	ND
Thallium	1	0	ND	0.45	No	3.8	No	ND
Uranium	1	1	406	110	Yes	21	Yes	>SQG
Vanadium	1	1	32.8	40	No	NG	No	<BKG
Zinc	1	1	142	79	Yes	121	Yes	>SQG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Result is greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.

Table D.4-13
IDENTIFICATION OF METAL CONTAMINANTS OF CONCERN IN SEDIMENT GRAB SAMPLES - BLOOD POOL

Analyte[1]	Number of Samples	Number of Detects	Maximum Detected Result (mg/kg)	Preliminary Background Limit (mg/kg)[2]	Maximum Exceeds Background?[3]	Sediment Guideline[4]	Retained as a COPC?	Rationale
Aluminum	2	2	26000	29000	No	14000	No	<BKG
Antimony	2	1	1.6	0.36	No	2.0	No	<BKG[5]
Arsenic	2	2	75	90	No	9.8	No	<BKG
Barium	2	2	131	300	No	500	No	<BKG
Beryllium	2	2	1.1	4.1	No	0.7	No	<BKG
Cadmium	2	0	ND	0.7	No	0.99	No	ND
Chromium	2	2	50.7	21	Yes	43	Yes	>SQG
Cobalt	2	2	11.3	17	No	50	No	<BKG
Copper	2	2	87.8	66	No	32	No	<BKG
Iron	2	2	67400	36000	Yes	200000	No	<SQG
Lead	2	2	21.1	18	Yes	36	No	<SQG
Magnesium	2	2	8060	4400	Yes	6100	Yes	>SQG
Manganese	2	2	352	1300	No	1700	No	<BKG
Mercury	2	0	ND	0.13	No	0.18	No	ND
Nickel	2	2	29	30	No	23	No	<BKG
Selenium	2	0	ND	1.3	No	2.5	No	ND
Silver	2	0	ND	0.15	No	1.0	No	ND
Thallium	2	0	ND	0.45	No	3.8	No	ND
Uranium	2	2	104	110	No	21	No	<BKG
Vanadium	2	2	66.3	40	Yes	NG	No	No SQG
Zinc	2	2	74.5	79	No	121	No	<BKG

1 - Analytes listed based on available results from E&E (1998), SMI (1999), and URS (2000).
2 - 95th UTLs for grab samples (except maximum for uranium).
3 - Two or more results greater than background (see Appendix B for sediment results).
4 - Compilation of consensus-based freshwater threshold effects concentrations (Table 3-3) and sediment quality guidelines (primarily mid SQGs) (Table 3-2).
5 - Only 1 detected result.
COPC - Contaminant of Potential Concern
BKG - Background
ND - Not detected
NG - No applicable Guideline
SQG - Sediment Quality Guideline
Shaded rows - analyte concentration exceeds background and guideline.