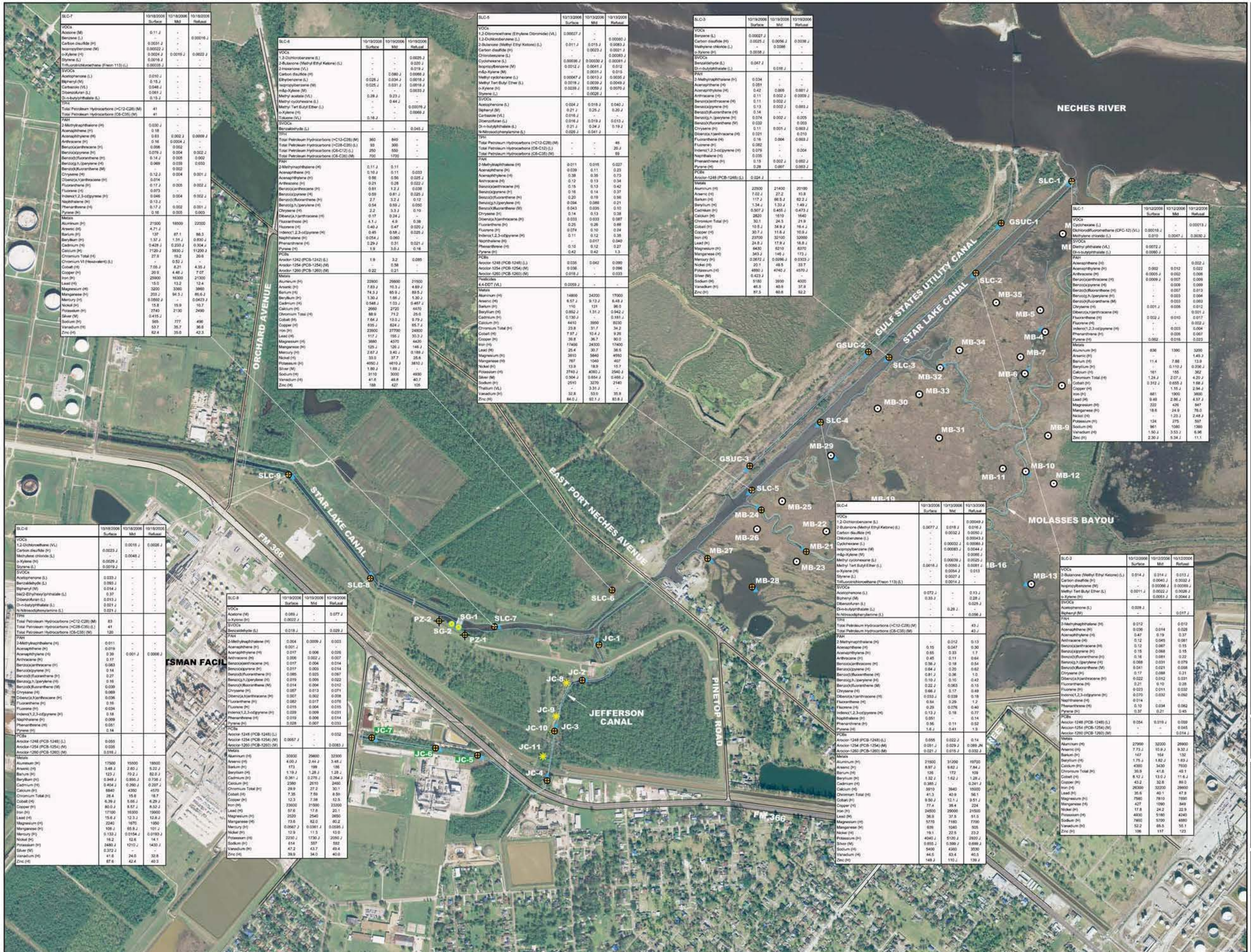

SLC-7	10/18/2006 Surface	10/18/2006 Mid	10/18/2006 Refusal
VOCs			
Acetone (M)	0.11 J	-	-
Benzene (L)	-	-	0.00016 J
Carbon disulfide (H)	0.0031 J	-	-
Isopropylbenzene (M)	0.00022 J	-	-
o-Xylene (H)	0.0024 J	0.0019 J	0.0022 J
Styrene (L)	0.0016 J	-	-
Trifluorotrichloroethane (Freon 113) (L)	0.00035 J	-	-
SVOCs			
Acetophenone (L)	0.010 J	-	-
Biphenyl (M)	0.15 J	-	-
Carbazole (VL)	0.048 J	-	-
Dibenzofuran (L)	0.061 J	-	-
Di-n-butylphthalate (L)	0.15 J	-	-
TPH			
Total Petroleum Hydrocarbons (>C12-C28) (M)	41	-	-
Total Petroleum Hydrocarbons (C6-C35) (M)	41	-	-
PAH			
2-Methylnaphthalene (H)	0.030 J	-	-
Acenaphthene (H)	0.18	-	-
Acenaphthylene (H)	0.63	0.002 J	0.0009 J
Anthracene (H)	0.16	0.0004 J	-
Benzo(a)anthracene (H)	0.056	0.002	-
Benzo(a)pyrene (H)	0.079 J	0.004	0.002 J
Benzo(b)fluoranthene (H)	0.14 J	0.005	0.002
Benzo(g,h,i)perylene (H)	0.069	0.039	0.033
Benzo(k)fluoranthene (M)	-	0.002	-
Chrysene (H)	0.12 J	0.004	0.001 J
Dibenz(a,h)anthracene (H)	0.014	-	-
Fluoranthene (H)	0.17 J	0.005	0.002 J
Fluorene (H)	0.073	-	-
Indeno(1,2,3-cd)pyrene (H)	0.046	0.004	0.002 J
Naphthalene (H)	0.13 J	-	-
Phenanthrene (H)	0.17 J	0.002	0.001 J
Pyrene (H)	0.16	0.005	0.003
Metals			
Aluminum (H)	21500	18500	22000
Arsenic (H)	4.71 J	-	-
Barium (H)	137	87.1	86.3
Beryllium (H)	1.37 J	1.31 J	0.830 J
Cadmium (H)	0.428 J	0.233 J	0.304 J
Calcium (H)	7120 J	3930 J	11200 J
Chromium Total (H)	27.9	19.2	20.6
Chromium VI (Hexavalent) (L)	-	0.52 J	-
Cobalt (H)	7.05 J	8.21	4.35 J
Copper (H)	20.9	4.48 J	7.07
Iron (H)	25900	16300	21300
Lead (H)	15.0	13.2	12.4
Magnesium (H)	3200	3360	3860
Manganese (H)	203 J	94.3 J	86.6 J
Mercury (H)	0.0502 J	-	0.0423 J
Nickel (H)	15.8	15.9	10.7
Potassium (H)	2740	2130	2490
Silver (M)	0.415 J	-	-
Sodium (H)	565	777	496
Vanadium (H)	53.7	35.7	36.8
Zinc (H)	62.4	35.0	42.3

SLC-6	10/19/2006 Surface	10/19/2006 Mid	10/19/2006 Refusal
VOCs			
1,2-Dichlorobenzene (L)	-	-	0.0025 J
2-Butanone (Methyl Ethyl Ketone) (L)	-	-	0.020 J
2-Hexanone (VL)	-	-	0.019 J
Carbon disulfide (H)	-	0.080 J	0.0088 J
Ethylbenzene (L)	0.028 J	0.034 J	0.0018 J
Isopropylbenzene (M)	0.025 J	0.031 J	0.0018 J
m&p-Xylene (M)	-	-	0.0033 J
Methyl acetate (VL)	0.28 J	0.23 J	-
Methyl cyclohexane (L)	-	0.44 J	-
Methyl Tert Butyl Ether (L)	-	-	0.00076 J
o-Xylene (H)	-	-	0.0069 J
Toluene (VL)	0.16 J	-	-
SVOCs			
Benzaldehyde (L)	-	-	0.045 J
TPH			
Total Petroleum Hydrocarbons (>C12-C28) (M)	360	840	-
Total Petroleum Hydrocarbons (>C28-C35) (L)	93	300	-
Total Petroleum Hydrocarbons (C6-C12) (L)	250	550	-
Total Petroleum Hydrocarbons (C6-C35) (M)	700	1700	-
PAH			
2-Methylnaphthalene (H)	0.11 J	0.11	-
Acenaphthene (H)	0.10 J	0.11	0.033
Acenaphthylene (H)	0.56	0.56	0.025 J
Anthracene (H)	0.21	0.28	0.022 J
Benzo(a)anthracene (H)	0.81	1.2 J	0.038
Benzo(a)pyrene (H)	0.59	0.81 J	0.025 J
Benzo(b)fluoranthene (H)	2.7	3.2 J	0.12
Benzo(g,h,i)perylene (H)	0.54	0.59 J	0.050
Chrysene (H)	2.2	3.3 J	0.10
Dibenz(a,h)anthracene (H)	0.17	0.24 J	-
Fluoranthene (H)	4.1 J	4.9	0.38
Fluorene (H)	0.40 J	0.47	0.020 J
Indeno(1,2,3-cd)pyrene (H)	0.45	0.58 J	0.025 J
Naphthalene (H)	0.054 J	0.060	-
Phenanthrene (H)	0.29 J	0.31	0.021 J
Pyrene (H)	1.9	3.0 J	0.16
PCBs			
Aroclor-1242 (PCB-1242) (L)	1.9	3.2	0.085
Aroclor-1254 (PCB-1254) (M)	-	0.58	-
Aroclor-1260 (PCB-1260) (M)	0.22	0.21	-
Metals			
Aluminum (H)	22800	26600	21500
Arsenic (H)	7.83 J	10.3 J	4.69 J
Barium (H)	74.3 J	65.9 J	89.5 J
Beryllium (H)	1.30 J	1.66 J	1.30 J
Cadmium (H)	0.548 J	1.03 J	0.467 J
Calcium (H)	2660	2720	4470
Chromium Total (H)	88.9	71.2	25.6
Cobalt (H)	7.64 J	13.0 J	9.79 J
Copper (H)	635 J	624 J	65.7 J
Iron (H)	23900	27700	24800
Lead (H)	117 J	155 J	30.3 J
Magnesium (H)	3880	4370	4420
Manganese (H)	125 J	126 J	146 J
Mercury (H)	2.67 J	3.40 J	0.189 J
Nickel (H)	33.0	37.7	25.6
Potassium (H)	4050 J	4610 J	3810 J
Silver (M)	1.80 J	1.69 J	-
Sodium (H)	3110	3000	4930
Vanadium (H)	41.8	49.8	40.7
Zinc (H)	188	427	105

SLC-5	10/13/2006 Surface	10/13/2006 Mid	10/13/2006 Refusal
VOCs			
1,2-Dibromoethane (Ethylene Dibromide) (VL)	0.00027 J	-	-
1,2-Dichlorobenzene (L)	-	-	0.00060 J
2-Butanone (Methyl Ethyl Ketone) (L)	0.011 J	0.015 J	0.0083 J
Carbon disulfide (H)	-	0.0023 J	0.0021 J
Chlorobenzene (L)	-	-	0.00083 J
Cyclohexane (L)	0.00036 J	0.00030 J	0.00081 J
Isopropylbenzene (M)	0.0012 J	0.0041 J	0.012
m&p-Xylene (M)	-	0.0031 J	0.015
Methyl cyclohexane (L)	0.00047 J	0.0013 J	0.0035 J
Methyl Tert Butyl Ether (L)	0.0018 J	0.0039 J	0.0049 J
o-Xylene (H)	0.0039 J	0.0059 J	0.0070 J
Styrene (L)	-	0.0026 J	-
SVOCs			
Acetophenone (L)	0.024 J	0.018 J	0.040 J
Biphenyl (M)	0.21 J	0.25 J	0.20 J
Carbazole (VL)	0.016 J	-	-
Dibenzofuran (L)	0.016 J	0.019 J	0.013 J
Di-n-butylphthalate (L)	0.21 J	0.24 J	0.19 J
N-Nitrosodiphenylamine (L)	0.026 J	0.041 J	-
TPH			
Total Petroleum Hydrocarbons (>C12-C28) (M)	-	-	46
Total Petroleum Hydrocarbons (C6-C12) (L)	-	-	20 J
Total Petroleum Hydrocarbons (C6-C35) (M)	-	-	69
PAH			
2-Methylnaphthalene (H)	0.011	0.015	0.027
Acenaphthene (H)	0.039	0.11	0.23
Acenaphthylene (H)	0.38	0.35	0.73
Anthracene (H)	0.12	0.13	0.34
Benzo(a)anthracene (H)	0.15	0.13	0.42
Benzo(a)pyrene (H)	0.16	0.14	0.37
Benzo(b)fluoranthene (H)	0.20	0.19	0.56
Benzo(g,h,i)perylene (H)	0.094	0.080	0.21
Benzo(k)fluoranthene (M)	0.043	0.035	0.10
Chrysene (H)	0.14	0.13	0.38
Dibenz(a,h)anthracene (H)	0.033	0.033	0.087
Fluoranthene (H)	0.25	0.26	0.88
Fluorene (H)	0.074	0.10	0.24
Indeno(1,2,3-cd)pyrene (H)	0.11	0.12	0.35
Naphthalene (H)	-	0.017	0.040
Phenanthrene (H)	0.10	0.12	0.27
Pyrene (H)	0.42	0.42	1.3
PCBs			
Aroclor-1248 (PCB-1248) (L)	0.035	0.042	0.090
Aroclor-1254 (PCB-1254) (M)	0.036	-	0.096
Aroclor-1260 (PCB-1260) (M)	0.018 J	-	0.033
Pesticides			
4,4-DDT (VL)	0.0059 J	-	-
Metals			
Aluminum (H)	14800	24200	17000
Arsenic (H)	6.57 J	9.13 J	6.48 J
Barium (H)	110	131	96.0
Beryllium (H)	0.852 J	1.31 J	0.942 J
Cadmium (H)	0.130 J	-	0.181 J
Calcium (H)	4410	3950	8030
Chromium Total (H)	23.8	31.7	34.2
Cobalt (H)	7.97 J	10.4 J	9.26
Copper (H)	30.8	36.7	80.0
Iron (H)	17400	24300	17400
Lead (H)	25.4	30.7	36.5
Magnesium (H)	3610	5840	4550
Manganese (H)	767	1040	407
Nickel (H)	13.9	18.9	15.7
Potassium (H)	2740 J	4060 J	2540 J
Silver (M)	0.504 J	0.654 J	0.466 J
Sodium (H)	2510	3270	2140
Thallium (VL)	-	3.31 J	-
Vanadium (H)	32.8	53.0	35.8
Zinc (H)	84.0 J	92.1 J	83.8 J

SLC-3	10/19/2006 Surface	10/19/2006 Mid	10/19/2006 Refusal
VOCs			
Benzene (L)	0.00027 J	-	-
Carbon disulfide (H)	0.0025 J	0.0056 J	0.0038 J
Methylene chloride (L)	-	0.0086	-
o-Xylene (H)	0.0038 J	-	-
SVOCs			
Benzaldehyde (L)	0.047 J	-	-
Di-n-butylphthalate (L)	-	0.018 J	-
PAH			
2-Methylnaphthalene (H)	0.034	-	-
Acenaphthene (H)	0.051	-	-
Acenaphthylene (H)	0.42	0.005	0.001 J
Anthracene (H)	0.11	0.002 J	0.0009 J
Benzo(a)anthracene (H)	0.11	0.002 J	-
Benzo(a)pyrene (H)	0.13	0.002 J	0.003 J
Benzo(b)fluoranthene (H)	0.14	-	-
Benzo(g,h,i)perylene (H)	0.074	0.002 J	0.005
Benzo(k)fluoranthene (M)	0.032	-	0.003
Chrysene (H)	0.11	0.001 J	0.003 J
Dibenz(a,h)anthracene (H)	0.021	-	0.010
Fluoranthene (H)	0.16	0.004	0.003 J
Fluorene (H)	0.082	-	-
Indeno(1,2,3-cd)pyrene (H)	0.079	-	0.004
Naphthalene (H)	0.035	-	-
Phenanthrene (H)	0.15	0.002 J	0.002 J
Pyrene (H)	0.28	0.007	0.003 J
PCBs			
Aroclor-1248 (PCB-1248) (L)	0.024 J	-	-
Metals			
Aluminum (H)	22500	21400	20100
Arsenic (H)	7.02 J	27.2	10.8
Barium (H)	117 J	86.5 J	82.2 J
Beryllium (H)	1.34 J	1.33 J	1.49 J
Cadmium (H)	0.507 J	0.455 J	0.473 J
Calcium (H)	2820	1610	1640
Chromium Total (H)	30.1	24.3	21.9
Cobalt (H)	10.5 J	34.9 J	16.4 J
Copper (H)	30.7 J	11.6 J	10.9 J
Iron (H)	23700	32100	32000
Lead (H)	24.8 J	17.9 J	16.8 J
Magnesium (H)	6430	6210	6370
Manganese (H)	343 J	146 J	173 J
Mercury (H)	0.0672 J	0.0286 J	0.0303 J
Nickel (H)	20.1	48.5	33.7
Potassium (H)	4880 J	4740 J	4570 J
Silver (M)	0.423 J	-	-
Sodium (H)	5180	3930	4000
Vanadium (H)	46.5	40.6	37.9
Zinc (H)	87.5	60.6	92.2

SLC-1	10/12/2006 Surface	10/12/2006 Mid	10/12/2006 Refusal
VOCs			
Cyclohexane (L)	-	-	0.00013 J
Dichlorodifluoromethane (CFC-12) (VL)	0.00018 J	-	-
Methylene chloride (L)	0.010	0.0047 J	0.0030 J
SVOCs			
Diethyl phthalate (VL)	0.0072 J	-	-
Di-n-butylphthalate (L)	0.0080 J	-	-
PAH			
Acenaphthene (H)	-	-	0.002 J
Acenaphthylene (H)	0.002	0.012	0.022
Anthracene (H)	0.0005 J	0.002	0.006
Benzo(a)anthracene (H)	0.0009 J	0.007	0.009
Benzo(a)pyrene (H)	-	0.009	0.009
Benzo(b)fluoranthene (H)	-	0.007	0.013
Benzo(g,h,i)perylene (H)	-	0.003	0.004
Benzo(k)fluoranthene (M)	-	0.003	0.003
Chrysene (H)	0.001 J	0.005	0.012
Dibenz(a,h)anthracene (H)	-	-	0.001 J
Fluoranthene (H)	0.002 J	0.010	0.017
Fluorene (H)	-	-	0.002 J
Indeno(1,2,3-cd)pyrene (H)	-	0.003	0.004
Phenanthrene (H)	-	0.006	0.007
Pyrene (H)	0.002	0.018	0.023
Metals			
Aluminum (H)	636	1390	3200
Arsenic (H)	-	-	1.45 J
Barium (H)	11.4	7.88	13.9
Beryllium (H)	-	0.110 J	0.206 J
Calcium (H)	161	155	362
Chromium Total (H)	1.24 J	2.07 J	4.20 J
Cobalt (H)	0.312 J	0.655 J	1.68 J
Copper (H)	-	1.15 J	2.94 J
Iron (H)	681	1900	3800
Lead (H)	9.49	2.86 J	4.57 J
Magnesium (H)	222	426	847
Manganese (H)	18.6	24.9	76.0
Nickel (H)	-	1.23 J	2.48 J
Potassium (H)	124	275	597
Sodium (H)	861	1080	1380
Vanadium (H)	1.50 J	3.53 J	6.96
Zinc (H)	2.30 J	5.34 J	11.1

SLC-9	10/18/2006 Surface	10/18/2006 Mid	10/18/2006 Refusal
VOCs			
1,2-Dichloroethane (VL)	-	0.0018 J	0.0026 J
Carbon disulfide (H)	0.0023 J	-	-
Methylene chloride (L)	-	0.0048 J	-
o-Xylene (H)	0.0029 J	-	-
Styrene (L)	0.0019 J	-	-
SVOCs			
Acetophenone (L)	0.033 J	-	-
Benzaldehyde (L)	0.093 J	-	-
Biphenyl (M)	0.014 J	-	-
bis(2-Ethylhexyl)phthalate (L)	0.37	-	-
Dibenzofuran (L)	0.013 J	-	-
Di-n-butylphthalate (L)	0.021 J	-	-
N-Nitrosodiphenylamine (L)	0.021 J	-	-
TPH			
Total Petroleum Hydrocarbons (>C12-C28) (M)	83	-	-
Total Petroleum Hydrocarbons (>C28-C35) (L)	41	-	-
Total Petroleum Hydrocarbons (C6-C35) (M)	120	-	-
PAH			
2-Methylnaphthalene (H)	0.011	-	-
Acenaphthene (H)	0.019	-	-
Acenaphthylene (H)	0.39	0.001 J	0.0008 J
Anthracene (H)	0.17	-	-
Benzo(a)anthracene (H)	0.083	-	-
Benzo(a)pyrene (H)	0.14	-	-
Benzo(b)fluoranthene (H)	0.27	-	-
Benzo(g,h,i)perylene (H)	0.16	-	-
Benzo(k)fluoranthene (M)	0.039	-	-
Chrysene (H)	0.069	-	-
Dibenz(a,h)anthracene (H)	0.036	-	-
Fluoranthene (H)	0.16	-	-
Fluorene (H)	0.034	-	-
Indeno(1,2,3-cd)pyrene (H)	0.18	-	-
Naphthalene (H)	0.009	-	-
Phenanthrene (H)	0.051	-	-
Pyrene (H)	0.14	-	-
PCBs			
Aroclor-1248 (PCB-1248) (L)	0.055	-	-
Aroclor-1254 (PCB-1254) (M)	0.035	-	-
Aroclor-1260 (PCB-1260) (M)	0.016 J	-	-
Metals			
Aluminum (H)	17500	15500	18500
Arsenic (H)	3.48 J	2.60 J	5.22 J
Barium (H)	123 J	70.2 J	82.0 J
Beryllium (H)	0.948 J	0.856 J	0.738 J
Cadmium (H)	0.404 J	0.260 J	0.297 J
Calcium (H)	6840	4350	4570
Chromium Total (H)	28.4	15.8	18.7
Cobalt (H)	6.39 J	5.65 J	6.29 J
Copper (H)	80.0 J	8.57 J	8.52 J
Iron (H)	17100	16300	19900
Lead (H)	15.6 J	12.3 J	12.8 J
Magnesium (H)	2240	1670	1950
Manganese (H)	108 J	65.8 J	101 J
Mercury (H)	0.133 J	0.0154 J	0.0193 J
Nickel (H)	16.2	12.6	14.1
Potassium (H)	2480 J	1210 J	1430 J
Silver (M)	0.372 J	-	-
Vanadium (H)	41.6	24.0	32.8
Zinc (H)	87.6	42.4	40.3

SLC-8	10/19/2006 Surface	10/19/2006 Mid	10/19/2006 Refusal
VOCs			
Acetone (M)	0.089 J	-	0.077 J
o-Xylene (H)	0.0022 J	-	-
SVOCs			
Benzaldehyde (L)	0.018 J	-	0.029 J
PAH			
2-Methylnaphthalene (H)	0.004	0.0009 J	0.003
Acenaphthene (H)	0.001 J	-	-
Acenaphthylene (H)	0.017	0.006	0.026
Anthracene (H)	0.006	0.002 J	0.007
Benzo(a)anthracene (H)	0.017	0.004	0.014
Benzo(a)pyrene (H)	0.017	0.009	0.014
Benzo(b)fluoranthene (H)	0.085	0.025	0.097
Benzo(g,h,i)perylene (H)	0.019	0.005	0.022
Benzo(k)fluoranthene (M)	0.014	0.004	0.012
Chrysene (H)	0.057	0.013	0.071
Dibenz(a,h)anthracene (H)	0.007	0.002	0.008
Fluoranthene (H)	0.082	0.017	0.076
Fluorene (H)	0.015	0.004	0.015
Indeno(1,2,3-cd)pyrene (H)	0.029	0.009	0.031
Phenanthrene (H)	0.019	0.006	0.014
Pyrene (H)	0.028	0.007	0.033
PCBs			
Aroclor-1248 (PCB-1248) (L)	-	-	0.032
Aroclor-1254 (PCB-1254) (M)	0.0057 J	-	-
Aroclor-1260 (PCB-1260) (M)	-	-	0.0083 J
Metals			
Aluminum (H)	30800	29600	32300
Arsenic (H)	4.00 J	2.44 J	3.48 J
Barium (H)	173	199	186
Beryllium (H)	1.19 J	1.28 J	1.28 J
Cadmium (H)	0.361 J	0.278 J	0.264 J
Calcium (H)	2380	2610	2480
Chromium Total (H)	29.9	27.2	30.1
Cobalt (H)	7.35	7.59	8.50
Copper (H)	12.3	7.38	12.5
Iron (H)	23800	21900	23200
Lead (H)	57.6	17.8	20.1
Magnesium (H)	2520	2540	2650
Manganese (H)	73.6	82.0	80.2
Mercury (H)	0.0567 J	0.0361 J	0.0595 J
Nickel (H)	12.9	11.5	13.0
Potassium (H)	2230 J	1730 J	2050 J
Sodium (H)	614	587	582
Vanadium (H)	47.2	43.7	49.4
Zinc (H)	39.9	34.0	40.0

SLC-4	10/13/2006 Surface	10/13/2006 Mid	10/13/2006 Refusal
VOCs			
1,2-Dichlorobenzene (L)	-	-	0.00049 J
2-Butanone (Methyl Ethyl Ketone) (L)	0.0077 J	0.018 J	0.016 J
Carbon disulfide (H)	-	0.0032 J	0.0050 J
Chlorobenzene (L)	-	-	0.00043 J
Cyclohexane (L)	-	0.00032 J	0.00085 J
Isopropylbenzene (M)	-	0.00083 J	0.0044 J
m&p-Xylene (M)	-	-	0.0066 J
Methyl cyclohexane (L)	-	0.00039 J	0.0025 J
Methyl Tert Butyl Ether (L)	0.0016 J	0.0050 J	0.0081 J
o-Xylene (H)	-	0.0054 J	0.013
Styrene (L)	-	0.0027 J	-
Trifluorotrichloroethane (Freon 113) (L)	-	0.0014 J	-
SVOCs			
Acetophenone (L)	0.072 J	-	0.13 J
Biphenyl (M)	0.33 J	-	0.28 J
Dibenzofuran (L)	-	-	0.025 J
Di-n-butylphthalate (L)	-	0.28 J	-
N-Nitrosodiphenylamine (L)	-	-	0.056 J
TPH			
Total Petroleum Hydrocarbons (>C12-C28) (M)	-	-	43 J
Total Petroleum Hydrocarbons (C6-C35) (M)	-	-	43 J
PAH			
2-Methylnaphthalene (H)	-	0.012	0.13
Acenaphthene (H)	0.15	0.047	0.30
Acenaphthylene (H)	0.65	0.33	1.7
Anthracene (H)	0.45	0.11	0.64
Benzo(a)anthracene (H)	0.56 J	0.18	0.54
Benzo(a)pyrene (H)	0.64 J	0.20	0.62
Benzo(b)fluoranthene (H)	0.81 J	0.36	1.0
Benzo(g,h,i)perylene (H)	0.10 J	0.10	0.42
Benzo(k)fluoranthene (M)	0.22 J	0.063	0.15
Chrysene (H)	0.66 J	0.17	0.49
Dibenz(a,h)anthracene (H)	0.033 J	0.039	0.18
Fluoranthene (H)	0.64	0.29	1.2
Fluorene (H)	0.29	0.076	0.40
Indeno(1,2,3-cd)pyrene (H)	0.13 J	0.18	0.77
Naphthalene (H)	0.051	-	0.14
Phenanthrene (H)	0.56	0.11	0.52
Pyrene (H)	1.6 J	0.41	1.9
PCBs			
Aroclor-1248 (PCB-1248) (L)	0.055	0.022 J	0.14
Aroclor-1254 (PCB-1254) (M)	0.051 J	0.029 J	0.089 JN
Aroclor-1260 (PCB-1260) (M)	0.021 J	0.015 J	0.032 J
Metals			
Aluminum (H)	21500	31200	19700
Arsenic (H)	8.97 J	9.62 J	7.84 J
Barium (H)	126	172	109
Beryllium (H)	1.32 J	1.62 J	1.28 J
Cadmium (H)	0.385 J	-	0.241 J
Calcium (H)	5910	3940	15000
Chromium Total (H)	41.3	40.9	56.1
Cobalt (H)	9.50 J	12.1 J	9.51 J
Copper (H)	77.4	38.4	224
Iron (H)	24500	29000	21500
Lead (H)	38.9	37.5	51.5
Magnesium (H)	5770	7180	7700
Manganese (H)	639	1040	505
Nickel (H)	19.1	22.5	23.2
Potassium (H)	4040 J	5120 J	2920 J
Silver (M)	0.655 J	0.599 J	0.699 J
Sodium (H)	5400	4360	3530
Vanadium (H)	44.5	63.4	40.5
Zinc (H)	148 J	110 J	139 J

SLC-2	10/12/2006 Surface	10/12/2006 Mid	10/12/2006 Refusal
VOCs			
2-Butanone (Methyl Ethyl Ketone) (L)	0.014 J	0.014 J	0.013 J
Carbon disulfide (H)	-	0.0040 J	0.0032 J
Isopropylbenzene (M)	-	0.00066 J	0.00069 J
Methyl Tert Butyl Ether (L)	0.0011 J	0.0022 J	0.0026 J
o-Xylene (H)	-	0.0051 J	0.0044 J
SVOCs			
Acetophenone (L)	0.028 J	-	-
Biphenyl (M)	-	-	0.017 J
PAH			
2-Methylnaphthalene (H)	0.012	-	0.012
Acenaphthene (H)	0.036	0.014	0.028
Acenaphthylene (H)	0.47	0.19	0.37
Anthracene (H)	0.12	0.045	0.081
Benzo(a)anthracene (H)	0.12	0.067	0.15
Benzo(a)pyrene (H)	0.15	0.068	0.15
Benzo(b)fluoranthene (H)	0.16	0.081	0.22
Benzo(g,h,i)perylene (H)	0.068	0.031	0.079
Benzo(k)fluoranthene (M)	0.041	0.021	0.058
Chrysene (H)	0.17	0.088	0.21
Dibenz(a,h)anthracene (H)	0.022	0.012	0.031
Fluoranthene (H)	0.21	0.10	0.28
Fluorene (H)	0.023	0.011	0.032
Indeno(1,2,3-cd)pyrene (H)	0.070	0.032	0.092
Naphthalene (H)	0.014	-	-
Phenanthrene (H)	0.10	0.034	0.062
Pyrene (H)	0.37	0.21	0.45
PCBs			
Aroclor-1248 (PCB-1248) (L)	0.054	0.019 J	0.059
Aroclor-1254 (PCB-1254) (M)	-	-	0.045
Aroclor-1260 (PCB-1260) (M)	-	-	0.014 J
Metals			
Aluminum (H)	27900	32000	26900
Arsenic (H)	7.73 J	10.9 J	9.32 J
Barium (H)	147	164	132
Beryllium (H)	1.75 J	1.82 J	1.63 J
Calcium (H)	4360	3430	7030
Chromium Total (H)	39.5	41.8	48.1
Cobalt (H)	8.12 J	13.0 J	11.6 J
Copper (H)	43.2	32.8	89.0
Iron (H)	26300	32200	28600
Lead (H)	35.6	40.1	47.8
Magnesium (H)	7560	7810	7690
Manganese (H)	427	1090	849
Nickel (H)	17.8	24.2	22.9
Potassium (H)	4930	5160	4240
Sodium (H)	7460	5700	4880
Vanadium (H)	52.2	65.5	56.1
Zinc (H)	106	117	123

N

0 200 500ft

LEGEND

- SURFACE SEDIMENT SAMPLE
- SURFACE WATER SAMPLE
- SURFACE MID AND REFUSAL DEPTH SEDIMENT SAMPLE
- BANK SOIL SAMPLE
- PIEZOMETER LOCATION
- STAFF GAGE LOCATION

NOTES:

Surface- Sample represents the approximate top 6 inches of the sediment core

Mid – Sample represents the approximate 6 to 12 inches of the sediment core

Refusal – Sample represents the approximate 12 to 18 inches of the sediment core

Sediment concentrations reported in mg/kg

VL – Very Low Detected in less than 5 percent of all samples per matrix across entire site

L – Low Detected in 5 percent to 25 percent of all samples per matrix across entire site

M – Medium Detected in 25 to 50 percent of all samples per matrix across entire site

H – High Detected in greater than 50 percent of all samples per matrix across entire site

J – Laboratory qualifier indicating the result is an estimated value

VOCs – Volatile organic compounds

SVOCs – Semi-volatile organic compounds

TPH – Total petroleum hydrocarbons

PCBs – Polychlorinated biphenyls

PAH – Polycyclic aromatic hydrocarbons

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SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

SUMMARY OF DETECTIONS IN STAR LAKE CANAL SEDIMENT SAMPLES

FIGURE 20

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

RE: AERIAL PHOTOGRAPH, DATED NOVEMBER 2005.

Project Manager:	Reviewed By:	Date: 02/15/08	
Scale: 1"=500'	Project Nº: 027545-00	Report Nº: 005	Figure Nº: 5-5

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