

November Sampling Event (11/20/01)

Analytical Data																
Sample ID	Locale	TSS (mg/l)	TDS (mg/l)	Copper (mg/l)			Lead (mg/l)			Nickel (mg/l)			Zinc (mg/l)			
				Total	Qualifier	Dissolved	Total	Qualifier	Dissolved	Total	Qualifier	Dissolved	Total	Qualifier	Dissolved	
MTS-1	U/S	0.64	2312	J	0.006	J	0.005	<	0.0005	<	0.0005	0.010	0.010	0.022	J	0.004
MTS-2	Mixing Zone	1.80	1686	J	0.005	J	0.004	<	0.0005	<	0.0005	J	0.008	J	0.006	0.022
MTS-3	Upper Estuary	2.28	1796	J	0.004	J	0.004	<	0.0005	<	0.0005	J	0.007	J	0.007	0.015
MTS-R	Discharge	9.39	1470	J	0.006	J	0.006	<	0.0005	<	0.0005	0.020	0.020	0.048	0.048	0.048
MTS-DUP	Dup MTS-2	1.87	1692	J	0.005	J	0.005	<	0.0005	<	0.0005	0.040	0.040	0.022	0.022	0.022

Water Quality Parameters										
Sample ID	Locale	Time	pH	Cond. (ms/cm)	Turbidity (NTU)	DO (mg/l)	Temp. (C)	Sal. (ppt)	Tot. Depth (ft.)	
MTS-1	Surface	0900	8.37	2.92	3.0	6.43	16.6	1.4	0.6	
	1ft.	1300	7.95	2.65	4.0	3.51	16.8	1.2	6.0	
	2ft.	1300	7.93	2.65	4.0	3.55	16.8	1.2	6.0	
MTS-2 (MZ-6)	3ft.	1300	7.81	2.65	4.0	3.62	16.8	1.2	6.0	
	4ft.	1300	7.83	2.65	4.0	3.64	16.8	1.3	6.0	
	5ft.	1300	7.83	2.65	5.0	3.63	16.8	1.3	6.0	
MTS-3 (MZ-7)	1ft.	1100	8.50	2.71	8.0	6.05	16.9	1.3	6.0	
	2ft.	1100	8.38	2.71	10.0	5.91	16.8	1.3	6.0	
	3ft.	1100	8.33	2.71	10.0	5.66	16.8	1.3	6.0	
MTS-R(MZ-R)	4ft.	1100	8.29	2.71	8.0	5.74	16.7	1.3	6.0	
	5ft.	1100	8.26	2.71	6.0	5.87	16.7	1.3	6.0	
	Surface	1430	7.76	2.3	12.0	4.91	19.6	1.1	1.0	
MZ-3	1ft.	1130	8.42	2.75	6.0	6.12	16.9	1.3	7.0	
	2ft.	1130	8.33	2.76	5.0	6.24	16.9	1.3	7.0	
	3ft.	1130	8.28	2.77	4.0	6.29	16.8	1.3	7.0	
MZ-4	4ft.	1130	8.30	2.77	4.0	6.34	16.8	1.3	7.0	
	5ft.	1130	8.35	2.78	4.0	6.37	16.8	1.3	7.0	
	1ft.	1200	8.34	2.75	5.0	6.22	17.00	1.3	7.0	
MZ-5	2ft.	1200	8.32	2.76	5.0	6.35	17.00	1.3	7.0	
	3ft.	1200	8.31	2.77	5.0	6.47	16.90	1.3	7.0	
	4ft.	1200	8.30	2.78	4.0	6.10	16.80	1.3	7.0	
MZ-8	5ft.	1200	8.28	2.79	4.0	6.05	16.70	1.3	7.0	
	1ft.	1245	8.22	2.82	7.0	5.71	16.8	1.3	4.0	
	2ft.	1245	8.22	2.83	7.0	5.64	16.7	1.3	4.0	
MZ-1	3ft.	1245	8.22	2.83	7.0	5.50	16.7	1.3	4.0	
	1ft.	1230	8.31	2.81	5.0	6.24	17.0	1.3	5.0	
	2ft.	1230	8.34	2.82	5.0	6.35	17.0	1.3	5.0	
MZ-2	3ft.	1230	8.34	2.81	4.0	6.37	16.9	1.3	5.0	
	4ft.	1230	8.27	2.82	4.0	6.35	16.9	1.3	5.0	
	5ft.	1230	8.23	2.82	4.0	6.14	16.9	1.3	5.0	
MTS-1	1ft.	1330	7.80	2.47	2.0	1.90	16.8	1.1	6.0	
	2ft.	1330	7.68	2.46	2.0	1.85	16.8	1.1	6.0	
	3ft.	1330	7.63	2.51	2.0	2.10	16.8	1.2	6.0	
MTS-2	4ft.	1330	7.63	2.53	2.0	1.96	16.7	1.2	6.0	
	5ft.	1330	7.63	2.83	2.0	2.16	17	1.3	6.0	
	1ft.	1400	7.68	2.28	2.0	0.62	16.7	1.0	6.0	
MTS-3	2ft.	1400	7.50	2.27	2.0	0.03	16.5	1.0	6.0	
	3ft.	1400	7.44	2.26	2.0	0.41	16.3	1.0	6.0	
	4ft.	1400	7.44	2.35	2.0	0.07	16.3	1.1	6.0	
5ft.	1400	7.49	2.92	3.0	0.45	16.9	1.3	6.0		

Notes:
 The Mixing Zone (MTS-2) was sampled near MZ-6.
 Mixing zone established primarily on visual observation of discharge flow into the pooled estuary.
 Validated with water quality parameter measurement to establish sampling point.

Conditions:
 The Estuary was impounded with water level rising during this Metals Translator sampling event.

Tides:
 High 3.47 ft. at 02:24; 4.78 ft. at 11:46
 Low 3.29 at 05:44; 0.4 ft. at 20:00

Qualifiers:
 J : estimated value
 <: non-detect