

March Sampling Event (03/26/02)

Analytical Data																			
Sample ID	Locale	TSS (mg/l)	TDS (mg/l)	Copper (mg/l)			Lead (mg/l)			Nickel (mg/l)			Zinc (mg/l)						
				Qualifier	Total	Qualifier	Dissolved	Qualifier	Total	Qualifier	Dissolved	Qualifier	Total	Qualifier	Dissolved				
MTS-1	U/S	2.22	2264	J	0.0025	J	0.0034	<	0.0005	<	0.0005		0.0100	J	0.0092	J	0.0039	J	0.0049
MTS-2	Mixing Zone	12.90	3678	J	0.0052	J	0.0043	<	0.0005	<	0.0005	J	0.0062	J	0.0060		0.0241		0.0274
MTS-3	Upper Estuary	87.00	5364	J	0.0061	J	0.0054	<	0.0005	<	0.0005	J	0.0077	J	0.0068		0.0169		0.0195
MTS-R(MZ-R)	Near Mouth	6.03	1428		0.0111	J	0.0069	<	0.0005	<	0.0005	J	0.0054	J	0.0058		0.0355		0.0954
MTS-DUP	Discharge	13.6	3396	J	0.0045	J	0.0037	<	0.0005	<	0.0005	J	0.0062	J	0.0059		0.0227		0.0308
MTS-M	Duplicate	59.50	5624	J	0.0039	J	0.0027	<	0.0005	<	0.0005	J	0.0067	J	0.0068	J	0.0093		0.0133
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	955	7.53	2.88	7.0	2.86	16.4	1.40	0.8										
	1ft.	1400	10.04	5.81	51.0	6.48	18.0	3.40	6.0										
	2ft.	1400	10.23	7.48	31.0	7.45	18.5	3.50	6.0										
MTS-2	3ft.	1400	10.21	8.16	47.0	7.74	18.0	4.60	6.0										
	4ft.	1400	10.32	8.77	11.0	6.02	17.0	5.00	6.0										
	5ft.	1400	10.06	9.63	12.0	2.34	16.8	5.30	6.0										
MTS-3	1ft.	1040	10.37	8.34	71.0	8.75	17.1	4.50	3.5										
	2ft.	1040	10.39	8.33	63.0	9.27	16.9	4.50	3.5										
	3ft.	1040	10.38	8.4	57.0	7.60	16.3	4.60	3.5										
MTS-R(MZ-R)	1ft.	1500	8.55	2.24	13.0	3.14	19.8	1.00	1.5										
MTS-M	1ft.	1220	10.34	9.1	23.0	5.11	16.6	5.00	2.5										
	2ft.	1220	10.34	9.1	22.0	5.08	16.5	5.00	2.5										
	1ft.	1345	9.56	3.98	15.0	3.24	18.4	2.00	5.0										
MZ-1	2ft.	1345	10.28	6.72	72.0	9.43	18.2	4.40	5.0										
	3ft.	1345	10.15	8.31	17.0	4.27	17.1	4.90	5.0										
	4ft.	1345	10.03	9.17	15.0	2.22	16.8	5.10	5.0										
MZ-2	1ft.	1315	9.72	4.26	12.0	2.79	18.4	2.20	5.0										
	2ft.	1315	10.11	8.07	14.0	3.46	17.0	4.80	5.0										
	3ft.	1315	10.05	9.38	8.0	1.94	16.7	5.20	5.0										
MZ-3	4ft.	1315	9.68	10.9	13.0	0.58	16.8	6.20	5.0										
	1ft.	1104	10.41	8.4	60.0	7.96	16.5	4.50	6.0										
	2ft.	1104	10.42	8.38	59.0	8.39	16.5	4.50	6.0										
MZ-4	3ft.	1104	10.43	8.38	56.0	8.33	16.5	4.50	6.0										
	4ft.	1104	10.44	8.41	61.0	8.32	16.5	4.50	6.0										
	5ft.	1104	10.41	8.45	57.0	8.35	16.5	4.60	6.0										
MZ-5	1ft.	1115	10.41	8.49	43.0	7.38	16.6	4.60	6.0										
	2ft.	1115	10.42	8.48	44.0	7.51	16.6	4.60	6.0										
	3ft.	1115	10.42	8.47	44.0	7.62	16.5	4.60	6.0										
MZ-6	4ft.	1115	10.43	8.48	41.0	7.55	16.5	4.60	6.0										
	5ft.	1115	10.41	8.51	43.0	7.48	16.5	4.60	6.0										
	6ft.	1115	10.35	8.73	41.0	6.44	16.4	4.70	6.0										
MZ-7	1ft.	1245	10.28	9.20	25.0	4.65	16.50	5.10	1.5										
	1ft.	1420	10.37	8.83	37.0	6.17	18.10	4.70	6.0										
	2ft.	1420	10.39	8.56	41.0	6.94	18.20	4.70	6.0										
MZ-8	3ft.	1420	10.36	8.66	35.0	6.86	17.80	4.80	6.0										
	4ft.	1420	10.27	8.81	34.0	5.49	17.40	4.90	6.0										
	5ft.	1420	10.20	9.02	58.0	4.44	17.40	4.90	6.0										
MZ-9	1ft.	1145	10.43	8.17	54.0	8.14	16.7	4.40	3.0										
	2ft.	1145	10.44	8.16	55.0	8.66	16.8	4.40	3.0										
	3ft.	1145	10.46	8.16	57.0	9.01	16.7	4.40	3.0										

Notes:
 The Mixing Zone (MTS-2) was sampled near MZ-6
 Mixing zone established primarily on salinity levels, and visual relationships between outfall flow and tidal inflow.
 Validated with water quality parameter measurement to establish sampling point.

Conditions:
 80-90% impounded. Backwater fingers adjacent to sandspit filling at a rapid rate. No tidal influence.

Tides:
 High 5.83 ft at 07:15; 4.82 ft at 20:18
 Low 1.19 ft at 01:19; -1.08 at 14:05

Qualifiers:
 J : estimated value
 <: non-detect