

February Sampling Event (02/12/02)

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	Qualifier	Total	Qualifier
MTS-1	U/S	3.94	2516	J	0.0040		0.0131	<	0.0005	<	0.0005	J	0.0075	J	0.0084	<	0.0005	0.0108
MTS-2	Mixing Zone	14.98	4102	J	0.0067	J	0.0099	<	0.0005	<	0.0005	J	0.0035	J	0.0045		0.0220	0.0266
MTS-3	Upper Estuary	16.97	14294	J	0.0033	J	0.0025	<	0.0005	<	0.0005	J	0.0037	J	0.0055	<	0.0005	J 0.0085
MTS-R	Discharge	9.56	1848	J	0.0067	J	0.0085	<	0.0005	<	0.0005	J	0.0025	J	0.0032		0.0242	0.0310
MTS-DUP	Duplicate	15.74	33480	J	0.0007	J	0.0008	<	0.0005	<	0.0005	J	0.0014	J	0.0019	<	0.0005	J 0.0021
MTS-M	Near Mouth	17.22	33472	<	0.0005	J	0.0046	<	0.0005	<	0.0005	J	0.0027	J	0.0020	<	0.0005	J 0.0024
MTS-MO	In Mouth (Outlet)	17.58	32452	<	0.0005	<	0.0005	<	0.0005	<	0.0005	J	0.0018	J	0.0023	<	0.0005	J 0.0039
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	900	8.41	2.79	4.0	5.55	13.5	1.30	0.6									
MTS-2	Surface	1530	8.66	10.50	23.0	5.61	18.0	8.00	0.7									
MTS-3	Surface	1115	8.90	2.12	130.0	5.85	10.6	12.30	0.5									
MTS-R(MZ-R)	1ft.	1000	8.21	2.27	9.0	4.56	15.7	1.00	1.0									
MTS-M	1ft.	1345	9.06	45.2	12.0	5.06	13.7	28.80	2.0									
MTS-MO	1ft.	1330	9	39.5	13.0	5.04	14.2	26.40	1.5									
MZ-1	Surface	1430	8.3	2.31	7.0	4.36	16.3	1.10	0.7									
MZ-2	Surface	1445	8.52	7.72	9.0	4.79	16.1	3.20	1.0									
MZ-3	1ft.	1200	8.94	40.8	13.0	5.25	14.4	25.60	2.0									
MZ-4	1ft.	1215	8.97	41.9	16.0	4.76	14.4	25.50	2.0									
MZ-5	1ft.	1300	9.07	45.70	18.0	4.26	13.60	29.40	2.0									
MZ-6	Surface	1400	8.57	3.51	8.0	4.93	16.70	1.50	0.5									
MZ-8	1ft.	1230	8.99	42.40	10.0	4.82	13.6	26.80	2.0									

Notes:

The Mixing Zone (MTS-2) was sampled near MZ-2

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:

Open conditions. Tidal outflow during sampling event. Hot and still.

Tides:

High 5.74 ft at 09:02; 4 ft. at 22:22

Low 1.78 at 3:03; -0.61 at 16:07

Qualifiers:

J : estimated value

<: non-detect